DAIKIN

BLUEVOLUTION

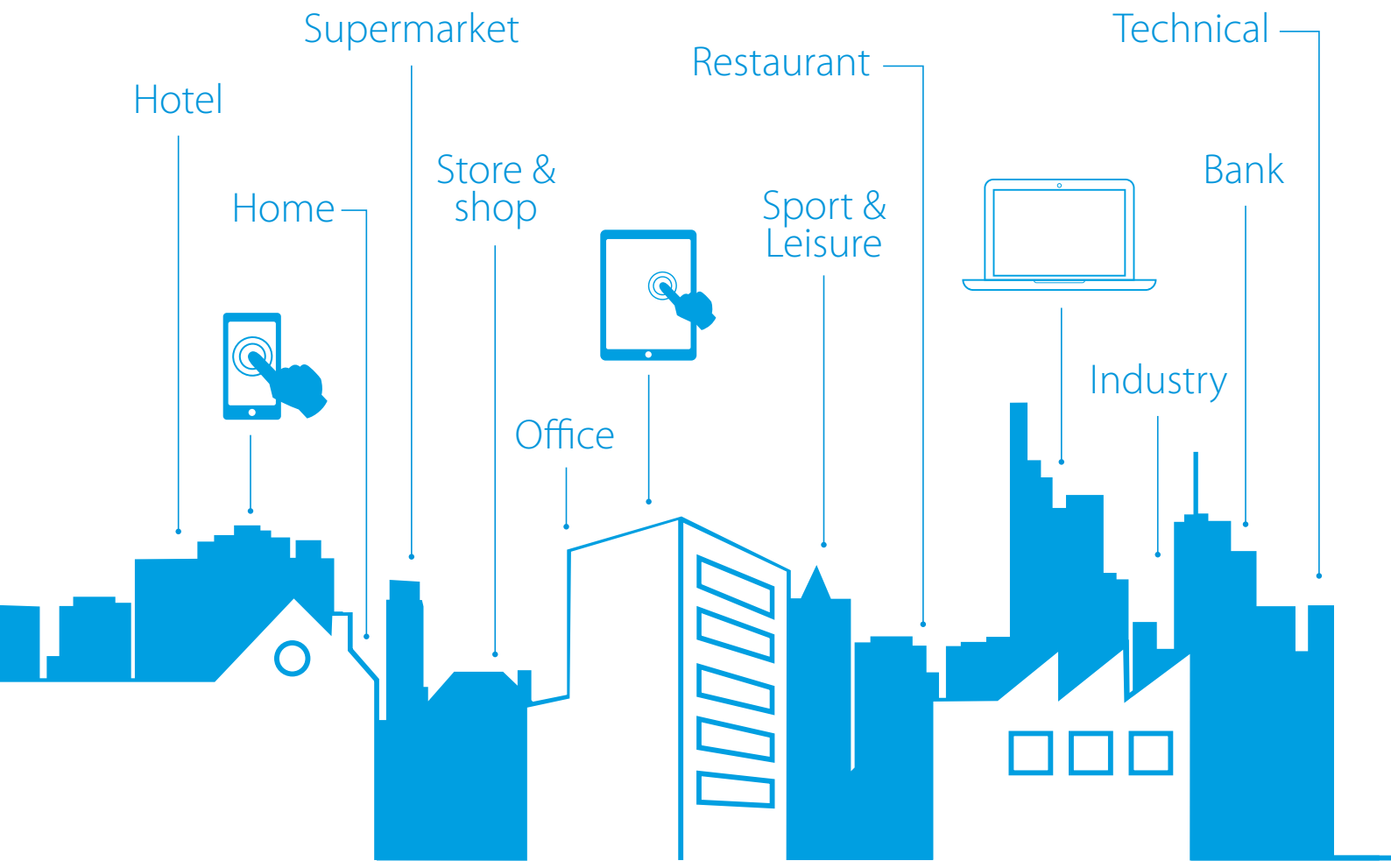
CO_2

A+++

General catalogue

2020

Daikin world



Daikin Europe N.V. is a leading manufacturer and supplier of heating, ventilation, air conditioning and refrigeration for the residential, commercial and industrial markets.

With more than 95 years of experience in air conditioning and climate control solutions, we know what it takes to create the perfect climate.

Our high-quality products are built to deliver maximum comfort, energy efficiency and reliability. Each unit also includes smart control, which means you have access to control your unit at any time, from anywhere.

We also offer a reliable network of technical and on-site support services through our online portal. Through web applications and tools, we help you monitor and manage your system to keep it running seamlessly.

As an innovation leader, we guarantee our products and services can help you achieve your perfect climate.

For more information, visit daikin.eu

Our promise...

... is to ensure that customers can depend on Daikin for the ultimate in comfort, so that they are free to focus on their own working and home lives.

We promise to dedicate ourselves to technological excellence, a design focus and the highest quality standards so that our customers can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the forefront of low energy-usage and we will innovate to further reduce the environmental impact of HVACR (Heating, Ventilation, Air conditioning, Refrigeration) solutions.
We lead where others follow.

We will continue our global leadership in HVACR solutions as our specialist expertise in all market sectors combined with over 90 years' experience enable us to deliver added value in long-lasting relationships based on trust, respect and credibility.

We promise to continue our forward-thinking ethos, treating challenges as opportunities to produce ever-better solutions. We will drive innovation and go the extra distance for our customers and our company.
We will be smart and ready to do things differently.

We will deliver on these core values of our brand and enjoy sustainable success with continued growth.

Table of content

General Catalogue 2020

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Air purifier
Heating
Split
Sky Air & Rooftops
VRV
Ventilation & Biddle air curtains
Marine types
Chillers
Fan coil units
Air Handling Units
Refrigeration
Control Systems

For latest data, please consult my.daikin.eu

What's new in 2020

Air purifier MCK55

MCK55WVM

p. 20 NEW Humidifying streamer technology air purifier

- Humidification and purification in one
- Pure air thanks to active plasma ion flow out and flash streamer technology
- High performance HEPA filter to catch fine particles of dust
- Powerful suction and whisper quiet
- New stylish and compact design

Air purifier MC55

MC55WVM

p. 22 NEW Streamer technology air purifier

- Pure air thanks to active plasma ion flow out and flash streamer technology
- High performance HEPA filter to catch fine particles of dust
- Powerful suction and whisper quiet
- New stylish and compact design

Daikin Altherma 3 H HT

EPRA014-018D V/W

p. 106 NEW The quintessence of heat pump

- LWT 70 °C at -15 °C heat pump operation only
- Providing space heating, space cooling and domestic hot water
- Outdoor unit extracts air even at -28°C
- Lower environmental impact thanks to R-32 refrigerant

Daikin Altherma HPC concealed

FWXM-ATV3

p. 213 NEW A fresh approach to comfort

- High heating/cooling capacity
- Modulated airflow
- Optimized for combination with heat pumps
- Discretely concealed in the wall

Daikin Altherma HPC wall mounted

FWXT-ATV3

p. 212 NEW A fresh approach to comfort

- High heating/cooling capacity
- Modulated airflow
- Optimized for combination with heat pumps
- Slim wall mounted indoor unit

stylish New colours

p. 246 NEW Additional colour: fully black!

FTXA-BB

p. 246 NEW Fully silver unit

FTXA-BS

p. 246 NEW Blackwood unit with black body

FTXA-BT

Optimised heating with Stylish and floor standing unit

p. 270 NEW Dedicated Stylish white unit (FTXTA-AW)

› Including fire place logic and standard Wlan connection

FTXTA-AW

p. 274 NEW Floor standing unit

› Ideal indoor unit for heating thanks to its dual airflow

FVXM-F

Low height Sky Air series

p. 370 NEW More flexibility thanks to single fan casing in the whole Sky Air range

BLUEVOLUTION

› Unique, low-height single fan portfolio from 3.5 to 25 kW
› Compact unit, easy to transport and position
› Market-leading serviceability and handling:
  • easy access to all critical components
  • newly positioned handle

Sky Air Alpha-series

RZAG-NV1/NY

Variable Refrigerant Temperature

› Operation range down to -20°C in cooling and heating
› Suits infrastructure cooling applications

71 100 125 140

Sky Air Advance-series

RZA-D

› Replaces trunk casing RZQ-C
› Piping length up to 100m
› Operation range down to -20°C in cooling and heating
› Capacity up to 25 kW

200 250

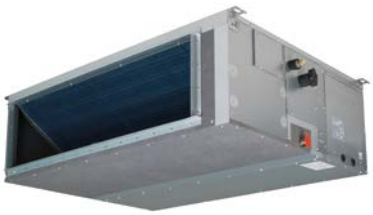
Concealed ceiling unit with high ESP

FDA200-250A

BLUEVOLUTION

p. 351 NEW ESP up to 250Pa,ideal for large sized buildings

› Change ESP to achieve optimal supply of air volume
› Up to 26.4kW in heating mode
› For pair combination with RZA-D



BLUEVOLUTION

VRV 5 S-series

RXYSA-A

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 – Tier 2

p. 398 NEW Lower CO_2 equivalents and market-leading efficiencies

- Reduces CO_2 equivalents thanks to the use of lower GWP refrigerant R-32
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Low-height single fan range
- Offering like-for-like R-410A flexibility
- Specially designed indoor units for R-32

FXFA-A

FXZA-A

FXDA-A

FXSA-A

VRV IV+

CERTIFIED RECLAIMED REFRIGERANT ALLOCATION

Certified Reclaimed Refrigerant Allocation

REYQ-U

p. 418 NEW Reuse refrigerant to avoid more than 150,000 kg of virgin gas being produced each year

- Support the circular economy of refrigerants
- Make a sustainable choice by promoting units with Certified Reclaimed Refrigerant Allocation
- Has zero impact on F-gas quota, as reclaimed and reused within Europe
- Available on heat recovery and mini VRV 4,5,6 double fan units

ErP 2021 COMPLIANT

Variable Refrigerant Temperature

VRV IV S-series compact

RXYSCQ6TV1

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 – Tier 2

p. 424 NEW The most compact VRV, now available up to 15.5 kW

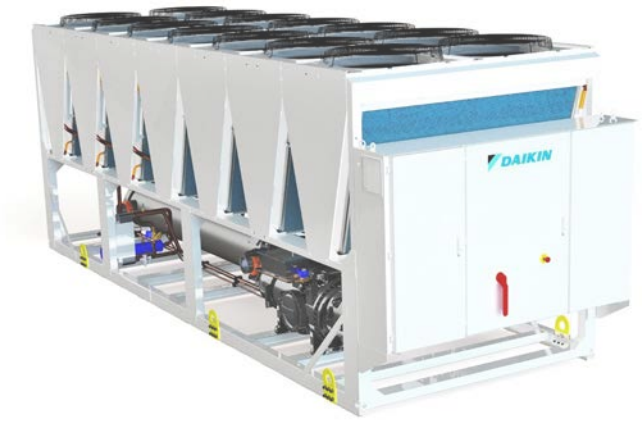
- New 6 HP model
- Compact & lightweight single fan design, makes the unit almost unnoticeable
- Connects to either VRV or stylish indoor units

Air-cooled inverter screw chiller

EWA(H)(D)-TZ C

p. 524
p. 534

NEW
› Extended capacity range for the air-cooled inverter portfolio
› Better performances and lower sound levels



Screw multipurpose chiller

EWYD-4Z B

p. 560

NEW
› Top efficiency in all operating modes
› Hot water production up to 60°

New generation ducted FCU with low ESP

FWE-DT/DF

p. 612

NEW
› Low unit casing height of 200mm
› Sirocco Fan leading to low noise operation

New generation wall mounted FCU

FWT-GT

p. 617

NEW
› New and attractive design
› Optimum air distribution

AHT
a member of DAIKIN group

AHT
Plug-in HoReCa range

p. 653 NEW Horizontal coolers:
Paris / Malta / Macao

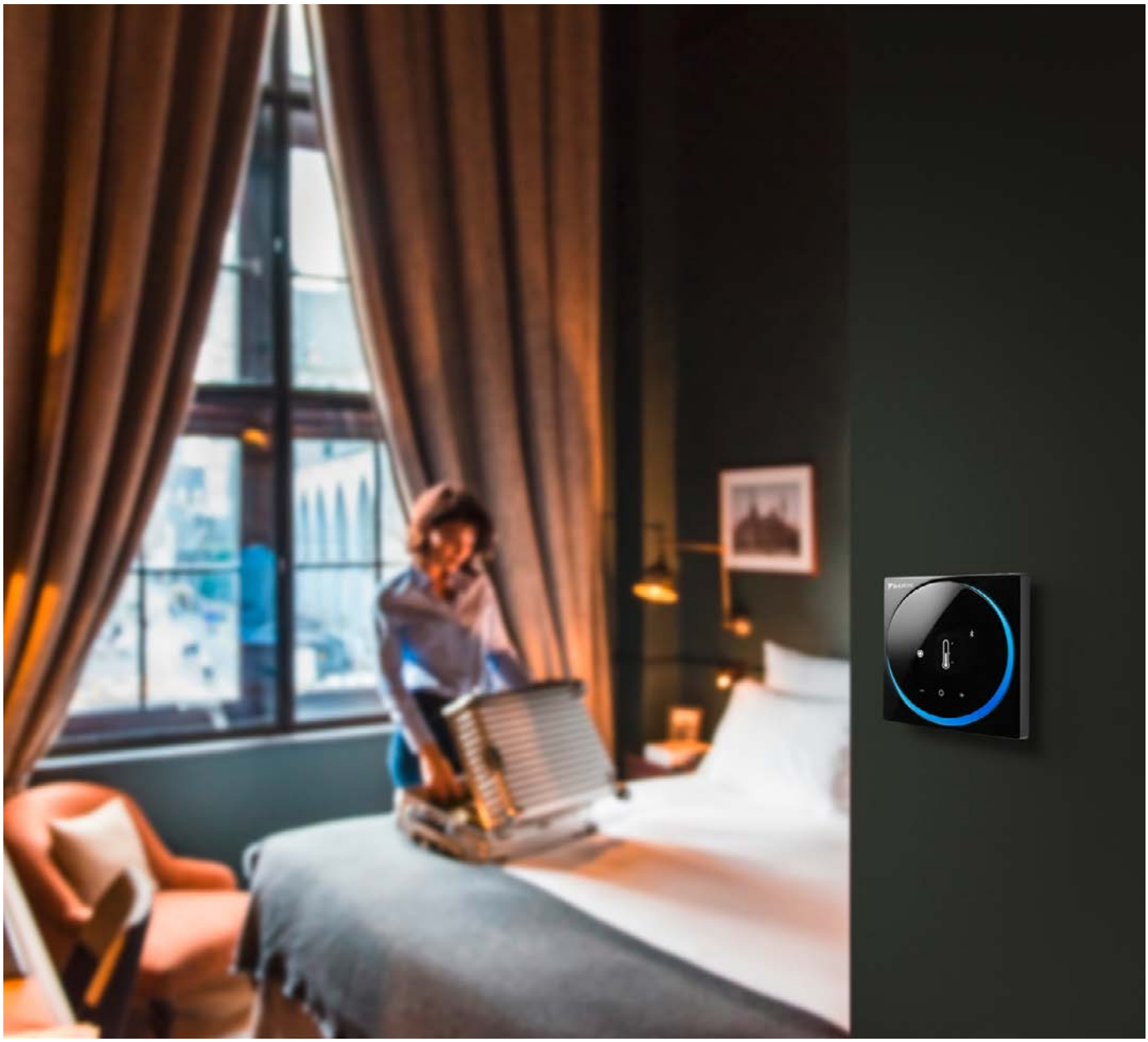
› Redefining economy and lifting product presentation to a new level
› Maximizing your sales space, minimizing maintenance

p. 656 NEW Ice cream merchandisers:
Rio S / Rio H

› Excellent product visibility due to low cabinets height

p. 658 NEW Promotion display coolers:
AC S/W/M/XL
GD XL/XLS
Coolbox

› Style and function combined: Elegant design to boost your sales



Madoka
wired remote controller

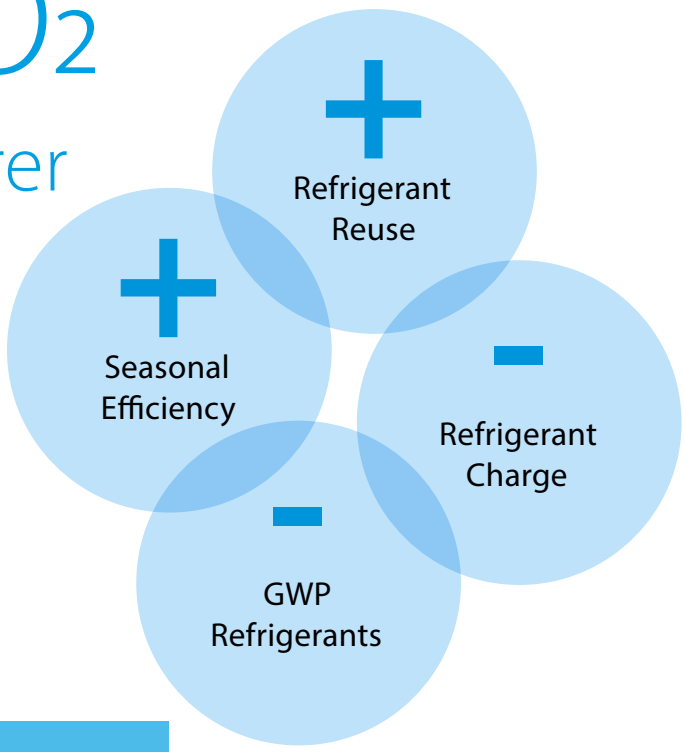
p. 732 NEW With new functionalities

- New symbollic view display option
- Save field settings and schedules on your phone and upload them to multiple controllers
- New BRC1H52W/S/K range for connection to VRV R-32 indoor units

Daikin's environmental vision:

Striving to become the lowest CO_2 equivalent manufacturer

As Daikin we commit to provide safe and healthy air environments while striving to reduce our direct and indirect CO_2 emissions. We aim to design out waste and pollution, keep products and materials in use and regenerate natural systems.



We want to do this by:

1 Increasing seasonal efficiency of our products

Achieving sustainability over the entire lifecycle of an installation, thanks to market leading efficiencies through inverter, Variable Refrigerant Temperature and heat recovery technologies.

Already since 2013 Daikin has been the leader to launch units to comply with and surpass eco design legislation, reducing our indirect CO_2 emissions. We pride ourselves to provide real-life data measured with our most sold units, to provide a fair comparison, rather then publishing the highest possible theoretical value.

Visit our free access website and compare:

2 The development and use of lower GWP refrigerants

Reduced CO_2 eq thanks to the use of lower GWP refrigerants such as R-32, R-407H, R-1234ze(E).
Since the launch in 2013 of Ururu Sarara, the first residential air to air heat pump range in Europe to use R-32 refrigerant, Daikin has worked to convert its portfolio to lower GWP refrigerants.

We believe in a diversity of refrigerant choice

There is no ideal one-size-fits-all refrigerant for all applications. Therefor we offer a diversity of refrigerants to match the application.

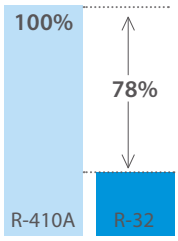
R-407H and CO_2 for refrigeration applications, R-1234ze(E) and R-32 for chillers and air side equipment and R-32 for air conditioners and heat pumps.

	Today	Future launches
Air conditioners and heat pumps	R-410A → R-32 Full range of R-32 for Split, Sky Air and Daikin Altherma systems	
VRV, chillers and air side equipment	R-410A, R-32, R-134a, R-1234ze(E), Ammonia	Under investigation: blends, R-32, other HFO
Refrigeration	R-404A, R-410A, R-134a, R-448a, R-449a, CO_2, Ammonia, HC: R-290, R-600a	Under investigation: R-407H, R-32, HFO
Marine containers	R-134a	Under investigation: R-32, HFO, R-513
AC and refrigeration for vessels	R-404A → R-407C , R-407H	Under investigation: Lower GWP
Truck and trailer refrigeration	R-404A	Under investigation: R-452A, Lower GWP

Leader in R-32 development BLUEVOLUTION

> Why R-32 ?

Daikin has identified R-32 as the most promising next generation refrigerant for residential and commercial air conditioners. Compared to the commonly used refrigerant R-410A, the Global Warming Potential of R-32 is only one third, while it allows for a smaller refrigerant volume and higher energy efficiency. As a single component refrigerant, R-32 is also easier to recycle and reuse.



Potential global warming impact

> Ahead of legal requirements

Under the new European F gas regulations, the placing on the market of new R-410A single split air conditioners (including air to air heat pumps) will be banned from 2025: from this time only refrigerants with a GWP value below 750 will be allowed. The Daikin models with R-32 refrigerant already comply with this requirement now!

> The most extensive range of R-32 products

We can truly call ourselves the leader in R-32 development. With the most complete range of R-32 optimized Split and Sky Air ranges, you have all the flexibility for your projects. On top of that we are the world's first to have a Chiller range on R-32 and in 2020 we will launch an optimized mini VRV on R-32!

2013
First R-32 split Ururu Sarara

2016
Full range of optimised Split R-32 units
First R-32 Sky Air

2017
Full range of optimised Sky Air R-32 units Launch of HFO chillers

2018
Launch of Daikin Altherma heat pump range on R-32

2020
Launch of VRV 5 on R-32

3 Increasing refrigerant reuse

Achieving a circular economy of refrigerants thanks to the use of Certified Reclaimed Refrigerant and promotion of refrigerant reuse in the market.

With our recently setup Certified Reclaimed Refrigerant Allocation programme, we reuse refrigerant and **avoid more then 150,000 kg of virgin gas being produced each year!**

What does Certified Reclaimed Refrigerant Allocation mean?

External Certified Quality

Reclaimed refrigerant meets AHRI700 certified standards, assessed by an independent laboratory, and so is the **same quality as virgin refrigerant**.

Reclaimed and reused within Europe

Reclaimed means the refrigerant is regenerated in a high quality way, in line with the F-gas regulation definition. This means that units with reclaimed refrigerant **support the F-gas regulation** by recovery and reclaim within the European Union.

Certified Allocated Quantity

Virgin and reclaimed refrigerant are used in the Daikin Europe factory. Through an audit process we ensure the reclaimed refrigerant is administratively **allocated to the VRV IV⁺ and Mini VRV** factory charge.

Reclaiming R-410A is just the start

With a huge potential of R-410A available in existing installations, we invite you to join our mission in creating this circular economy. Today for R-410A and for other refrigerants in future.

4 Reducing the refrigerant charge in new equipment

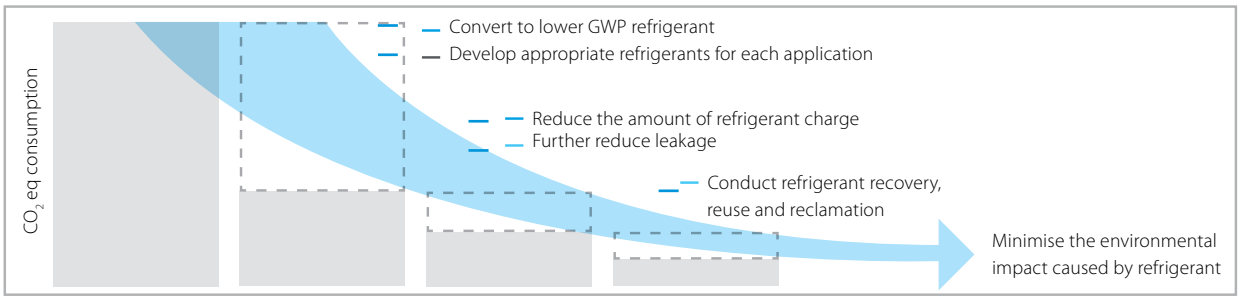
More efficient refrigerants such as R-32 and microchannel technology reduce the refrigerant charge.

Another benefit of the use of R-32 refrigerant is the lower charge (up to 30% reduction) in new products. In combination with the lower GWP value of R-32 this reduces the GWP (Global Warming Potential) of these products with up to 78% compared to R-410A products, which puts us ahead of the F-gas regulation phase-down scheme.

The F-gas regulation - Daikin's approach to towards lower $C0_2$ equivalent consumption

Daikin welcomes both the European F-gas regulation and the global Montreal Protocol–Kigali amendment, which aim to phase-down the CO_2 equivalent consumption of HFC refrigerants.
By choosing refrigerants with lower GWP and lower refrigerant charges we stay ahead of F-gas regulation targets.

Daikin's actions towards the F-gas phase-down.



Inspired?

Here is how you can help

› Make a sustainable choice by promoting units with **Certified Reclaimed Refrigerant Allocation**

› Raise the awareness and share your expertise to other stakeholders, to **build a circular economy**

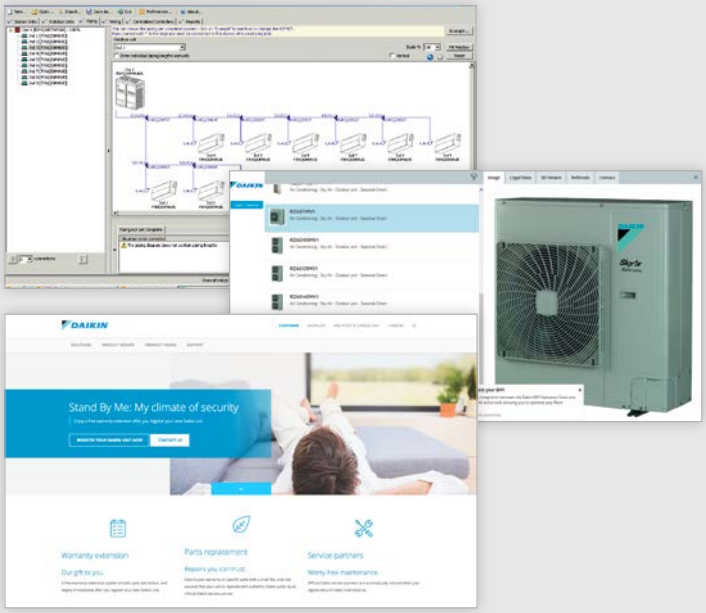
› Send your **recovered gas** from existing installation to reclaim. Your Daikin contact can support you

› Use our refrigerant recycling machine to **reuse recovered refrigerant** for field charge

Find out about Daikin's initiatives to help building a circular economy visit:

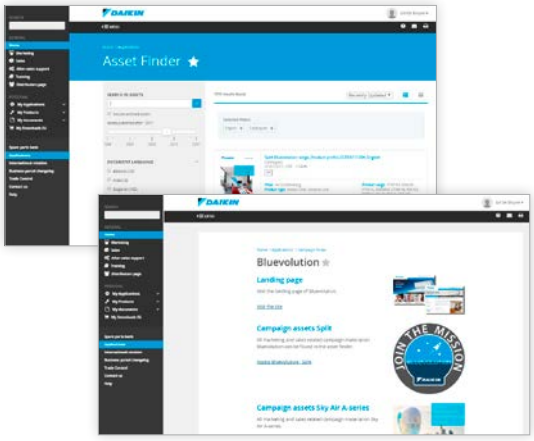
Tools and platforms

We're here to help you!



Literature

See all the literature available (catalogues, flyers, solution guides, product profiles, product portfolios, reference book ...)
› for you
› for your customers



my.daikin.eu

Sales supporting apps

We offer a variety of building modelling, selection, simulation and quotation software tools to support your sales.

The **Psychrometric Diagram Viewer** helps designers, consultants, students and other professionals to get more insight in our fields of activities: "the air that we condition"

my.daikin.eu/denv/en_US/home/applications/select software finder

Some of our most used apps:

There's an app for that

› **Daikin Online Controller:** Always in control. Control your climate from any place at any time.
› **Stand By Me:** Enjoy a free warranty extension after you register your new Daikin unit.
› **Daikin Altherma simulator:** For appropriate heat pump selection
› **3D app:** Allows you to choose the air conditioning and watch it at home BEFORE you buy!
› **Error code app:** Quickly know the meaning of fault codes for each product family
› **Load calculation tool:** Helps you to calculate the heat and cool laod of your building
› **Multi selection tool:** For quick calculation of multi split combinations & piping lengths
› **Xpress:** Quick quotaton tool for VRV
› **Astra:** AHU design software
› **Daikin BIM suite:** www.daikin.eu/BIM
› ...

Online support

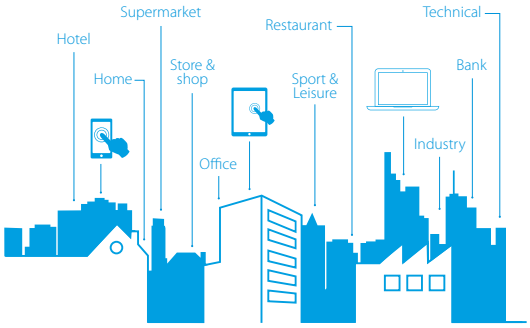
Business portal

- Experience our Business Portal that thinks with you at my.daikin.eu
- Find information in seconds via a powerful search
- Customise the options so you see only info relevant for you
- Access via mobile device or desktop

my.daikin.eu

Internet

Find our solution for different applications:



www.daikin.eu

- **As Customer:**
  Experience your perfect climate with Daikin.

- **As Installer:**
  Build your business with Daikin.

- **As Architect & Consultant:**
  Create the perfect climate with Daikin.

Pure air

Because Daikin cares

- Pure air thanks to active plasma ion discharge and flash streamer technology
- High performance HEPA filter to catch fine particles of dust
- Powerful suction and whisper quiet
- New stylish and compact design

1. Daikin's unique double method:

Outside: Active plasma ion discharge

Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

> Mechanism of reduction by active plasma ions

Concentration: 25.000 ions/cm^3 *1

Daikin's plasma ions have been proved safe, in relation to the effect on skin, eyes and respiratory organs.
Testing organization: Life Science Laboratories, Ltd.
Name of test: repeated-dose toxicity test.
Test number: 12-II A2-0401 Mechanism of reduction by active plasma ions.

Inside: Streamer decomposes hazardous elements

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.*2

> Mechanism of decomposition by Streamer

Streamer emits high-speed electrons.	The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements.	These elements provide decomposition power.

Note:
*1 The number of ions per 1cm^3 of air blown into the atmosphere measured near the air outlet during operation with maximum airflow. Test conditions: temperature 25°C, humidity 50%.
*2 Comparison of oxidation decomposition. This does not mean temperature will become high.
*3 (Reduction of gases) Testing organization: Life Science Research Laboratory. Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m^3), operated the air purifier for 80 minutes to absorb polluting dust emitted from the engine. Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases. Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours. Test number: LSRL-83023-702. Test unit: Tested with MCK70N (Japanese model).
*4 Placed the air purifier and an odour component, acetaldehyde, in a box of 21 m^3 and operated the air purifier. Examined increase of concentration of product (CO_2) generated by decomposition of acetaldehyde by Streamer (evaluation by Daikin). Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series.
*5 Testing organization: Japan Food Research Laboratories. Test number: 15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust collection filter

Three steps to decompose harmful substances.

1 Powerful suction

Takes in air over a wide area from 3 directions.

2 Effective capturing of pollutants

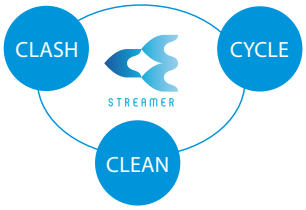
Efficiently catches dust and pollutants with an electrostatic HEPA filter.

3 Decomposition

Uses Daikin's Streamer technology to decompose, by oxidation, harmful substances caught on the filter.*3

STREAMER

The Streamer Symbol consists of three C's



CLASH: The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation*3.

CYCLE: The deodorising filter absorbs and decomposes odour. Thanks to the regeneration of the adsorbing capacity, the deodorising capacity is maintained. No need to change the deodorising filter*4.

CLEAN: Removes bacteria from dust collection filter*5, humidifying filter*6 and humidifying water tray*7.

2. High performance HEPA filter to catch fine particles of dust.

Removes 99% of particles between 0.1µm and 2.5µm in size*8

The filter collects dust efficiently with electrostatic forces. It is not prone to clogging compared with non-electrostatic HEPA filters which collect particles only by the fineness of the mesh.

→ Therefore, a larger amount of air can pass through the filter.

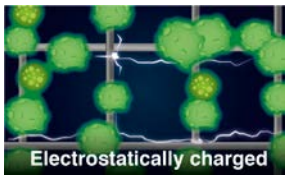
→ The filter can purify a larger amount of air!

Electrostatic HEPA filter

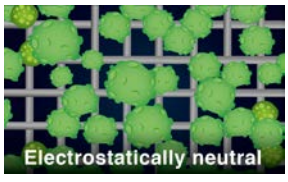
versus

Non-electrostatic filter

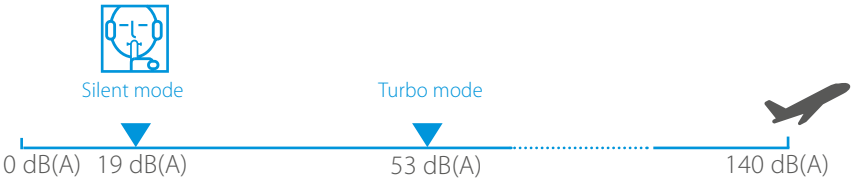
- Removes 99,97% of fine particles of 0,3µm
- Filter fiber itself is charged with static electricity, and collects particles efficiently.
- Doesn't clog easily, hence causes low pressure loss.



- Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged and cause high pressure loss.



3. Compact, effective and quiet thanks to the new, innovative structure



installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).

*6 (Removal of bacteria from humidifying filter) Works on objects caught by the humidifying filter. Testing organization: Japan Food Research Laboratories. Test number: 15044989001-0101 Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a humidifying filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Object part: Humidifying filter. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).

*7 (Reduction of bacteria in humidifying tray) Testing organization: Japan Food Research Laboratories. Test number: 15044985004-0101. Test method: Performance evaluation test by voluntary standard of Japan Electrical Manufacturers' Association (HD-133). Test object: Moulds and bacteria in humidifying water. Test result: Reduced by more than 99% in 24 hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).

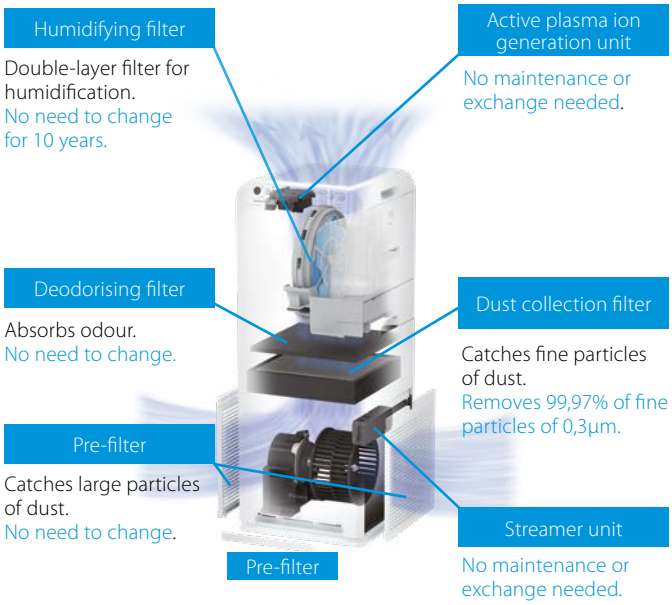
*8 Test method: Japan Electrical Manufacturers' Association Standard JEM1467. Criterion: Remove 99% of fine particulate matters of 0.1 to 2.5µm in a closed space of 32m³ within 90 minutes. (Converted to a value in a test space of 32m³)

New concept in a slim tower design

MCK55W

- Humidification and purification in one
- Pure air thanks to active plasma ion discharge and flash streamer technology
- High performance HEPA filter to catch fine particles of dust
- Powerful suction and whisper quiet
- New stylish and compact design

Unique vertical structure



It may become necessary to change out items that usually do not require replacing due to environmental and operational conditions.

MCK55W

HUMIDIFICATION | DUST COLLECTION | DEODORISATION

Capacity in turbo operation mode

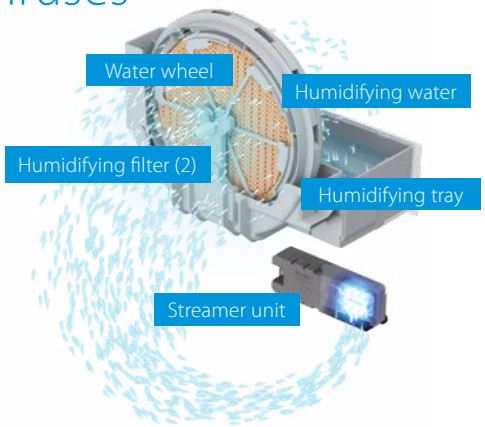
AIR PURIFICATION		HUMIDIFYING CAPACITY
Air purification only	Humidification + Air purification	
Airflow 5.5 m^3/min.	Airflow 330 m^3/hour	500 ml/h
Applicable room area ~41 m^2*		Applicable room area ~23 m^2

* Calculated by test method based on Japan Electrical Manufacturers' Association Standard JEM1467.

Powerful humidification to protect against Air Dryness and viruses

BENEFITS

- Protects the skin, the throat and the nostrils from dryness.
- Protects against viruses by maintaining appropriate humidity of the room.
- Indicates humidity of the room.
- Eliminates bacteria on the humidifying filter.
- Reduces bacteria in humidifying water by Streamer.



Triple Detection sensor to quickly detect air pollution

Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

STREAMER

Specifications

			MCK55W							
Model										
Colour			White							
Mode			Air purifying operation				Humidifying and Air Purifying Operation			
Applicable room area	Air purification	m²	41				-			
	Air purification + humidification		41				23			
Power supply			1 Phase, 220-240/220-230v, 50/60hz							
Plug shape			C type							
Mode			Quiet	Low	Standard	Turbo	Quiet	Low	Standard	Turbo
Airflow rate		m³/min.	0.9	2.0	3.2	5.5	1.7	2.4	3.2	5.5
Power consumption		W	7	10	17	56	11	14	19	58
Sound pressure level		dB(A)	19	29	39	53	25	33	39	53
Humidification		ml/h	-	-	-	-	200	240	300	500
Dimensions		mm	H 700 (718 with caster) x W 270 x D 270							
Weight		kg	9.5 (without water)							
Dust collection filter			Electrostatic HEPA filter							
Humidifying method			Evaporation type element							
Tank capacity			2.7l							
Optional Accessories	Replacement filter	Dust collection	KAFP080B4 (1 sheet) (purchase of new filters is needed after about 10 years)							
		Deodorising	-							
		Humidifying	KNME080A4							

Functions

Humidification	x
Temperature and humidity sensors	x
Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filters	x
Streamer regenerated deodorizing filter	x
Moist mode	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto-restart after power failure	x
Stabilizer free	x

Model debut in a compact and stylish design

MC55W / MC55VB*

- Pure air thanks to active plasma ion discharge and flash streamer technology
- High performance HEPA filter to catch fine particles of dust
- Powerful suction and whisper quiet
- New stylish and compact design

MC55W / MC55VB*

DUST COLLECTION	DEODORISATION

Capacity in turbo operation mode

AIR PURIFICATION

Air purification only

Airflow 5.5 m^3/min. 330 m^3/hour

Applicable room area

~41 m^2**

* UK plug
** Calculated by test method based on Japan Electrical Manufacturers' Association.Standard JEM1467.

Compact, effective and quiet

thanks to the new, innovative structure

Triple Detection sensor

to quickly detect air pollution

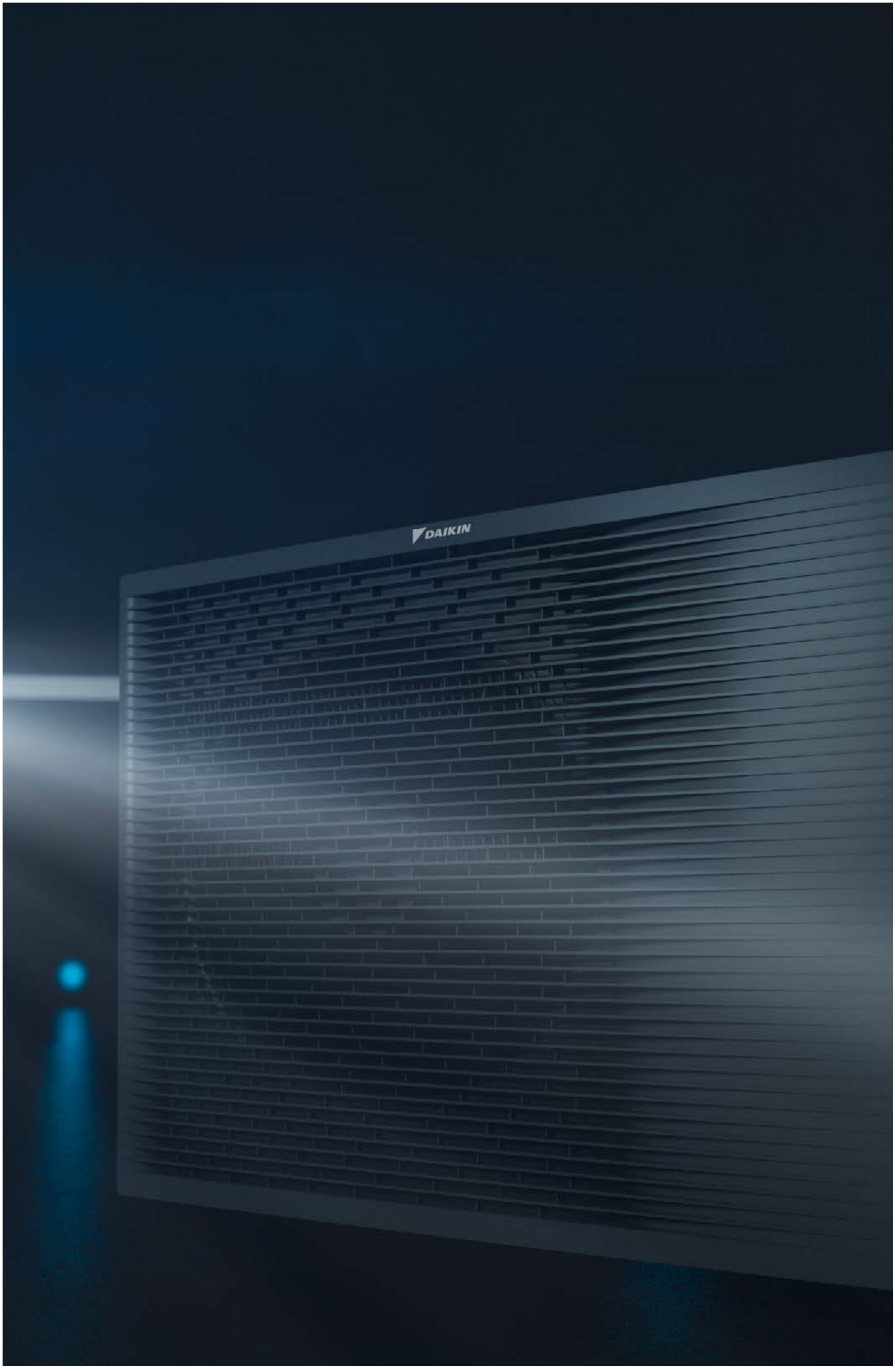
Equipped with a high sensitivity dust sensor that distinguishes small particles such as $PM_{2.5}$ and larger particles of dust and reacts accordingly. Triple detection of dust, $PM_{2.5}$ and odour is provided.

Specifications

			MC55W / MC55VB*			
Model						
Colour			White			
Mode			Air purifying operation			
Applicable room area	Air purification	m^2	41			
	Air purification + humidification		-			
Power supply			1 Phase, 220-240/220-230v, 50/60hz			
Plug shape			C type / UK plug type for VB model			
Mode			Quiet	Low	Standard	Turbo
Airflow rate		m^3/min.	1.1	2.0	3.2	5.5
Power consumption		W	8	10	15	37
Sound pressure level		dB(A)	19	29	39	53
Dimensions		mm	H500 x W270 x D270			
Weight		kg	6.8			
Dust collection filter			Electrostatic HEPA filter			
Optional Accessories	Replacement filter	Dust collection	KAFP080B4 (1 sheet) (Purchase of new filters is needed After about 10 years)			
		Deodorising	-			
		Humidifying	-			

Functions

Dust ($PM_{2.5}$/dust) and odour sensor lamps	x
Streamer discharge	x
Active plasma ion	x
Electrostatic HEPA filters	x
Streamer regenerated deodorizing filter	x
Econo mode	x
Auto fan mode	x
Anti-pollen mode	x
Turbo mode	x
Child proof lock	x
Brightness adjustment	x
Auto restart after power failure	x
Stabilizer free	x


DAIKIN

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The quintessence
of heat pump

What is the essence of… Quintessence?

The purity of an idea, streamlined, stripped back…

until nothing is left… but perfection.

The quintessence stands for:

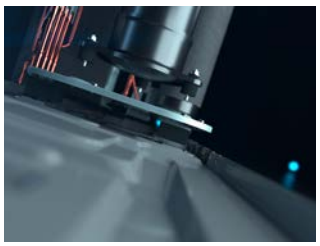
- ☑ The most perfect example of quality or class
- ☑ The purest essence of something
- ☑ The most refined part of something

Thanks to number of dedicated development, the Daikin Altherma 3 H HT outdoor unit represents the best that can be done for air-to-water heat pumps.

The Daikin Altherma 3 H HT is the first Daikin outdoor unit with a distinctive design. Its single fan reducing the sound level and its black front grill makes the unit fit in any environment.

Superior performance, renewable energy use, design and acoustic comfort.

This is what the Quintessence of heat pump is all about.



Anti-vibration plate

R-32 double injection compressor

Single fan

Black horizontal front grill

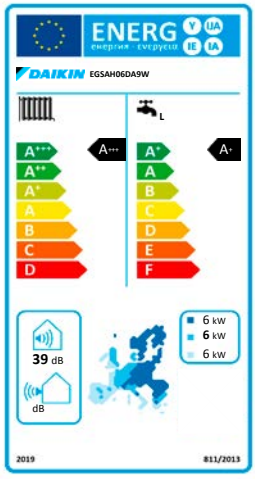
Top-notch technologies
and efficiency

Daikin commits to develop the most effective technologies to reach the best energy efficiency levels and respect the planet. Our Bluevolution technology uses the R-32 refrigerant, which largely lowers CO_2 emissions compared to its competitors. Daikin leads again the way for better heating solutions and a better environment.

Customers are looking for the best solutions for their home, with an eye on the energy efficiency labels. Daikin always proposes the most environment friendly units with the maximum energy labels for the heat pumps. Since the 26th of September 2019, new energy labels are available and rate the heating products from A+++ to D in space heating, and from A+ to F in water heating.

The third generation Daikin Altherma heat pumps reach this efficiency thanks to the Bluevolution technology. It combines an in-house developed compressor and the R-32 refrigerant which makes it unique on the market.

Less CO_2 emissions & more efficiency, the recipes for top-notch technologies.



Heat Pump Keymark
A unique certificate for the European market

The Heat Pump KEYMARK is a voluntary, independent, European certification mark for all heat pumps. It certifies space heating performance, sound power level, domestic hot water performance as well as operating tests.

The Heat Pump KEYMARK is based on independent, third-party testing and demonstrates compliance with product requirements as set in the Heat Pump KEYMARK scheme rules and with efficiency requirements as set by Ecodesign Lot 1, Lot 2.

As a group, we are strongly convinced of the quality of this scheme, both for our customers and ourselves as manufacturers. It is therefore our intention to certify the entire portfolio of Daikin Altherma heat pumps.

Find all our certified products on http://www.heatpumpkeymark.com

Stand By Me,

A journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Free warranty extension

FREE

The first advantage of **Stand By Me** is a free warranty extension:

- ☑ applies to both labour and parts
- ☑ begins immediately after registration

Quick follow-up by Daikin service partners

Daikin service partners are automatically notified when a customer registers their installation on **www.standbyme.daikin.eu** and needs maintenance.

Your customer is guaranteed:

- ☑ quick and reliable service
- ☑ management of all information related to their installation such as, registration documents, attendance records, maintenance records, etc.
- ☑ realtime error codes are informing the service partner about possible issues

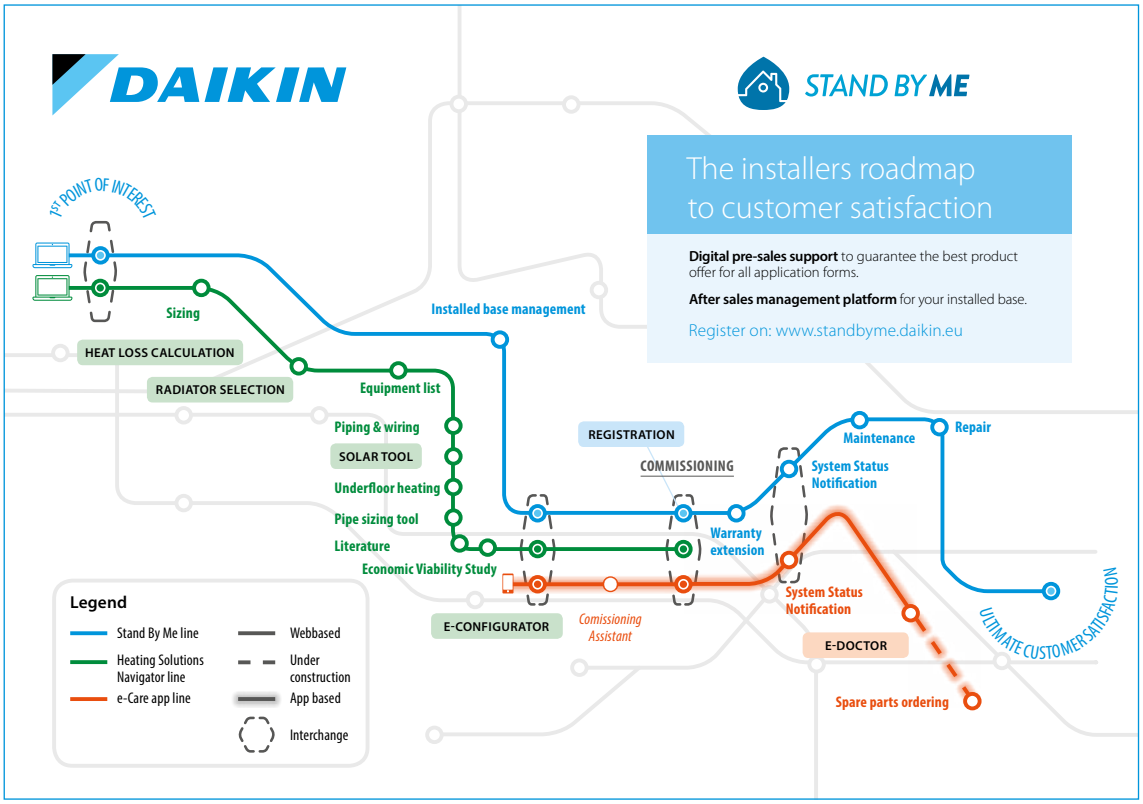
Extended warranty on parts

For a small fee, customers can extend the warranty on specific parts. Contact your local Daikin branche to have more information about the specific offer in your country. **Stand By Me** guarantees:

- ☑ that each component is replaced quickly
- ☑ helps avoid financial surprises
- ☑ long life and smooth operation and all other benefits of a Daikin installation
- ☑ reliable service from official Daikin service partners

Daikin service partners work exclusively with Daikin parts and have all of the necessary technical knowledge to solve any issue that may arise

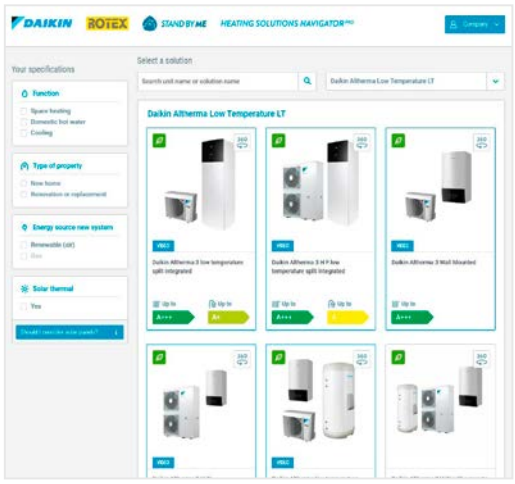
Stand By Me roadmap overview

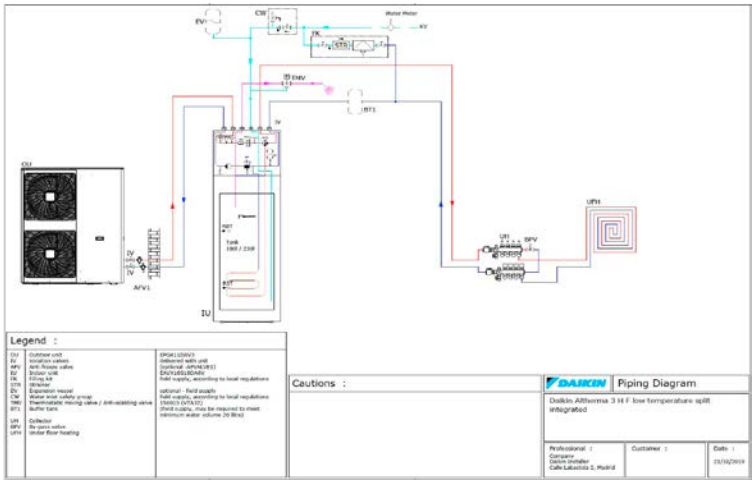


Heating Solutions Navigator

Want to know more about our Heating Solutions Navigator?

› The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers home.
› With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.



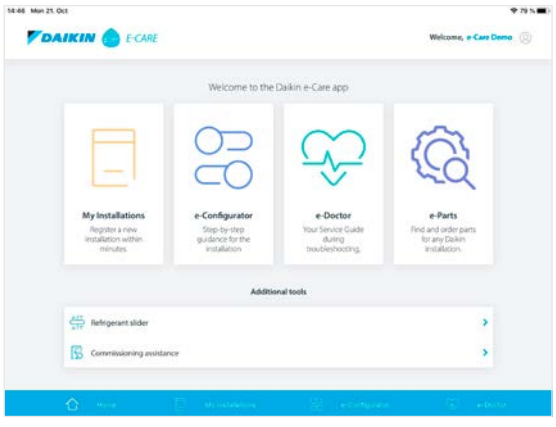


E-Care app

The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.

NEW

Order your **spareparts** direclty via the e-Care app, update the settings of your installation with a **Wifi USB** stick and avoid any possible mistake during commissioning of your installation thanks to the easy guidance of the **Commissioning Assistant**.



STAND BY ME

www.standbyme.daikin.eu

Stand By Me and the Heating Solutions Navigator are build to connect between yourself and Daikin to make your life easier.

Interested in how the platform operates? Please scan the QR-codes to see a demo for each tool.

DEMO

HEATING SOLUTIONS NAVIGATOR (HSN)

professional.standbyme.daikin.eu

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes.
With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.

DEMO

DEMO

SIZING

HSN Heat loss calculation tool/ Room by Room
The optional 'Room by Room' heat load calculation tool, is a tool which enable you to calculate the heat load in a property. Next to the Room by Room, a simplified heat load calculation is available.

SOLAR

HSN Solar Selection Tool
The Solar Selection Tool shows the benefits of a DAIKIN solar system and supports professionals in selecting the right solar system for a house.

PIPE SIZING TOOL

Calculate the maximum hydronic piping length from the indoor unit to the outdoor unit based on the emitter pressure drop or the other way around.

ECONOMIC VIABILITY STUDY

Compare your Daikin solution with a benchmark solution.

INSTALLED BASE MANAGEMENT

DEMO

LITERATURE

DEMO

DEMO

EQUIPMENT LIST

RADIATOR

HSN Radiator Selection Tool
This Radiator selector tool supports customers in selecting the appropriate radiator size for each room.

UNDERFLOOR HEATING

The underfloor Heating Tool gives the customer an indication of material that is needed for a specific project. A detailed calculation and floorplan can also be asked via this toolbox.

PIPING & WIRING

Customized piping and wiring diagrams are generated for each and every project, taking into account many parameters such as heat generator, zoning, emitter type and options.

CONFIGURATION TOOL

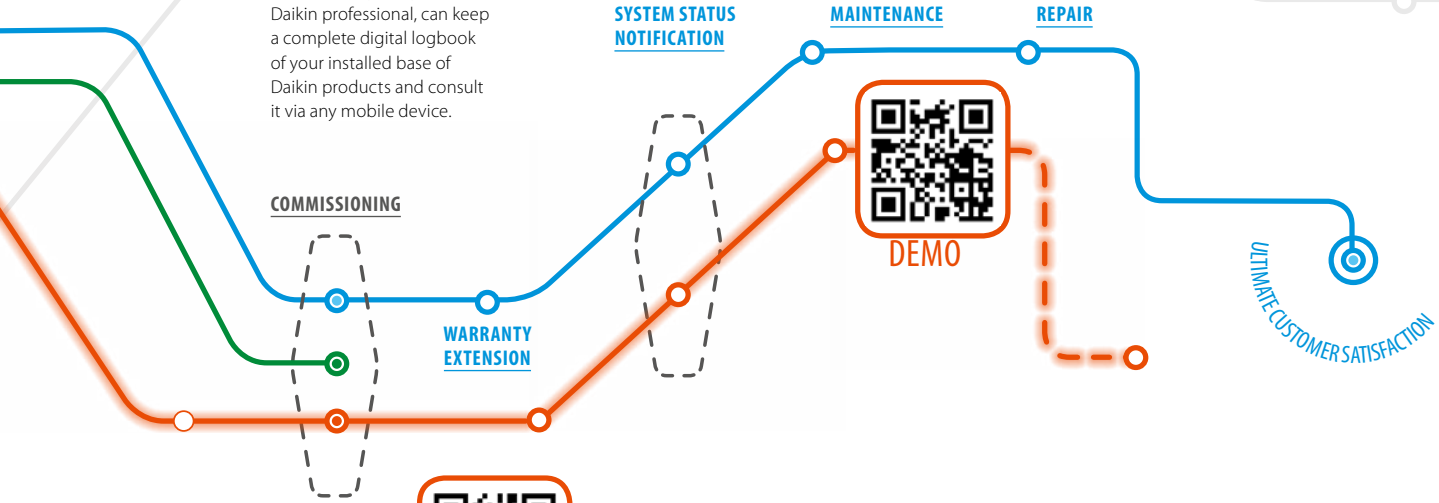
The e-Configurator is a web based tool and app which allows installers to configure the settings of Daikin Altherma heat pumps remotely. Thanks to its user friendly and intuitive interface, configuration can be completed in a couple of steps. Then it can be stored as a pdf or saved in the USB stick/SD card to upload it in the heat pump on site.

CONTACT YOUR LOCAL SBM/HSN SPECIALIST

REGISTRATION

Installation Registration SBM is an after-sales service tool where end-users can extend the warranty on their installation or order maintenance packages. All Daikin professionals have an essential role in these service offerings.

With Stand By Me, you, as Daikin professional, can keep a complete digital logbook of your installed base of Daikin products and consult it via any mobile device.



COMMISSIONING ASSISTANT

Use this special hydro check module during commissioning.

DEMO

SYSTEM STATUS NOTIFICATION

Receive malfunction codes of your installations directly on your Stand By Me platform or via a notification in the e-Care app.

E-DOCTOR

Part of e-Care

Daikin e-Doctor is part of e-Care, an application to guide our Daikin colleagues and installers in troubleshooting a unit.

SPARE PARTS ORDERING

E-CARE

Download on the App Store

ANDROID APP ON Google play

DAIKIN

Stand By Me, a journey towards customer satisfaction

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Daikin Altherma 3 R

powered by Bluevolution
with R-32 refrigerant

Why choose **Daikin Altherma 3 R?**

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Unique on the market

High performance

› Delivering temperatures up to 65°C at high efficiency, the R-32 Daikin Altherma 3 is suitable for both underfloor heating and radiators and retains its pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates.
› The optimal combination of Bluevolution technology offers the highest performance:
  » seasonal efficiency up to A+++ (energy label 2019)
  » heating efficiency up to a COP of 5,1 (at 7°C/35°C)
  » Domestic hot water efficiency up to COP of 3,3 (EN16147)
› Available in 4, 6 and 8 kW

Easy to install

› Delivered ready to work: all key hydraulic elements are already factory mounted
› The new design enables that all servicing can be done from the front and all piping can be accessed at the top of the unit
› Stylish modern outlook
› The outdoor unit is tested and charged with refrigerant, installation time is reduced

Easy commissioning :

› Integrated high resolution colour interface
› Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to work
› Next to that the configuration can take place remotely to upload later on the unit after the day of the installation.

Easy to control

› The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressors maximises the efficiency of the new R-32 Daikin Altherma 3 at each outdoor temperature, assuring consistent room temperatures at all times.
› To control on a daily basis your home temperature, settings can be done anywhere at any time via the Daikin Residential Controller app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 range can also be fully integrated with other home control systems

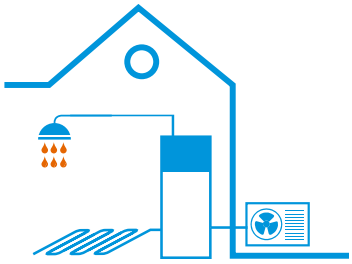
Control via app

Daikin Altherma 3 R offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies** providing the highest savings on running costs
- Perfect fit for **new builds**, as well as for low energy houses
- A leaving water temperature up to 65°C makes it also **a perfect choice for refurbishments**

To cover all applications, the Daikin Altherma 3 R is available in

3 different indoor units



Daikin Altherma 3 R F

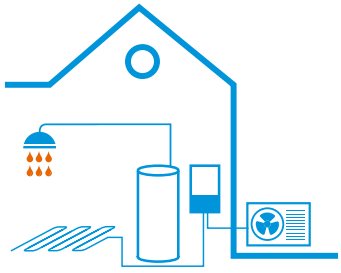
Floor standing unit with integrated domestic hot water tank

Compact and yet 100 % comfort guaranteed
- › All components and connections are factory mounted
- › Very small 595 x 625 mm installation footprint required
- › Minimum electrical input with constantly available hot water
- › Dedicated Bi-Zone models available: two temperature zones automatically regulated by the same indoor unit
- › Modern stylish design available in white or silver-grey

Daikin Altherma 3 R ECH$_2$O

Floor standing unit with integrated ECH$_2$O tank

Integrated solar unit and domestic hot water tank
Maximising renewable energy with top comfort for hot water preparation
- › Solar support for domestic hot water
- › Lightweight plastic tank
- › Bivalent option: can be combined with a secondary heat source
- › App control available



Daikin Altherma 3 R W

Wall mounted unit

High flexibility for installation and domestic hot water connection
- › Compact unit with small installation (almost no side clearance is required)
- › Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- › Stylish modern design

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

Daikin Altherma 3 R F floor standing unit

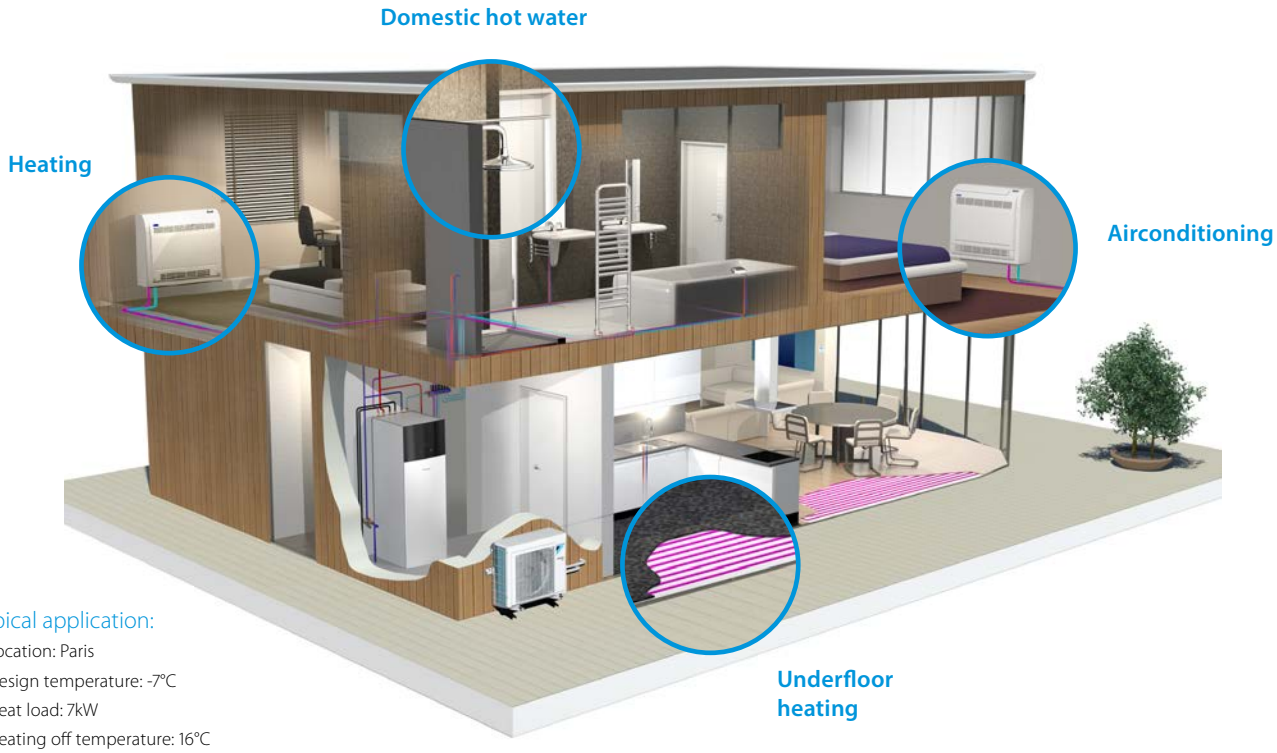
with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available
- Dedicated Bi-Zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



Typical application:

- Location: Paris
- Design temperature: -7°C
- Heat load: 7kW
- Heating off temperature: 16°C

All-in one design

Reduces the installation footprint and height

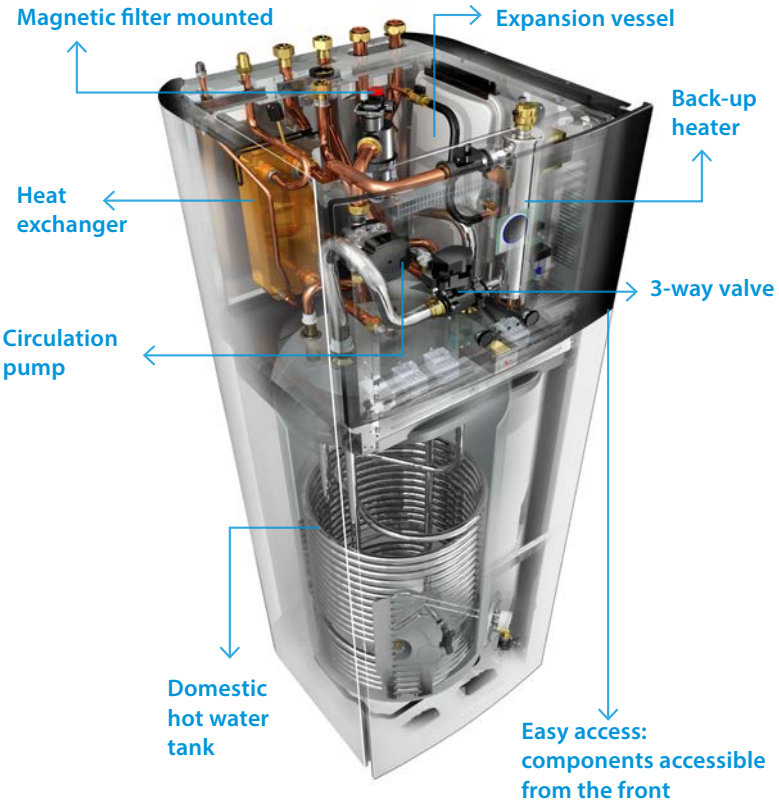
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 600 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new MMI in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

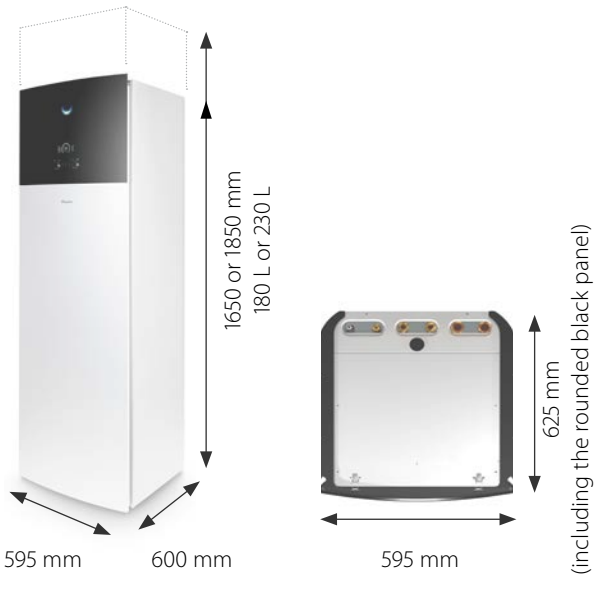
Easy operation

Work super-fast with the new MMI. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The MMI was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

A+++ A+ 65°C R-32

Efficiency data				EHVH + ERGA	04S18D6V(G)+ 04DV	04S23D6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Water heating energy efficiency class			A+					

Indoor Unit				EHVH	04S18D6V(G)	04S23D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	131	139	131	139	131	139
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

A+++ A+ 65°C R-32

Efficiency data				EHVX + ERGA	04S18D3V(G)/ D6V(G) + 04DV	04S23D3V(G)/ D6V(G) + 04DV	08S18D6V(G)/ D9W(G) + 06DV	08S23D6V(G)/ D9W(G) + 06DV	08S18D6V(G)/ D9W(G) + 08DV	08S23D6V(G)/ D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0,850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.		kW	0,940 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.17 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129		128		131	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.54		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	127	125	134	133	125	133	125	133
		Water heating energy efficiency class			A+					

Indoor Unit				EHVX	04S18D3V(G)/ D6V(G)	04S23D3V(G)/ D6V(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	131	139	131	139	131	139
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Cooling	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218 → 222

A+++ A+ 65°C R-32

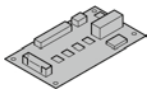
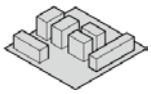
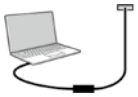
Efficiency data				EHVZ + ERGA	04S18D6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP			3.26		3.32	
			ηs (Seasonal space heating efficiency)	%		127		130	
			Seasonal space heating eff. class			A++			
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%		176		179	
			Seasonal space heating eff. class			A+++			
Domestic hot water heating	General	Declared load profile				L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%		125	133	125	133
		Water heating energy efficiency class				A+			

Indoor Unit				EHVZ	04S18D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour					White + Black			
	Material					Resin / Sheet metal			
Dimensions	Unit	HeightxWidthxDepth		mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg		136	144	136	144
Tank	Water volume			l		180	230	180	230
	Maximum water temperature			°C		70			
	Maximum water pressure			bar		10			
	Corrosion protection					Pickling			
Operation range	Heating	Ambient	Min.~Max.	°C		5~30			
		Water side	Min.~Max.	°C		15 ~65			
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35			
		Water side	Max.	°C		70			
Sound power level	Nom.			dBA		42			
Sound pressure level	Nom.			dBA		28			

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm		740x884x388	
Weight	Unit			kg		58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling		Min.~Max.	°CDB		10~43	
	Domestic hot water		Min.~Max.	°CDB		-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg		1.50	
	Charge			TCO_2Eq		1.01	
	Control					Expansion valve	
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1N~/50/230	
Current	Recommended fuses			A		25	

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Options

		Type	Material name	Daikin Altherma 3 R F
Controls		Remote user interface	BRC1HHDW/S/K	●
		LAN Adapter + PV Solar connection	BRP069A61	●
		LAN only	BRP069A62	●
		Room thermostat (wired)	EKRTWA	●
		Room thermostat (wireless)	EKRTR1	●
		External sensor	EKRTETS	●
Adapter		Demand PCB	EKRP1AHTA	●
		Digital I/O PCB	EKRP1HBAA	●
Installation		Bi-Zone kit (watts kit)	BZKA7V3	• (excluding EHVZ)
Sensors		Remote indoor sensor	KRCS01-1	●
		Remote outdoor sensor	EKRSCA-1	●
Others		PC USB Cable	EKPCCAB4	●
		Conversion kit	EKHBCONV	
			EKHVCONV	●
		Low sound cover for ERGA-D	EKLN-A	●

Floor standing unit with integrated ECH$_2$O tank

The Daikin Altherma low temperature split integrated ECH$_2$O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH$_2$O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

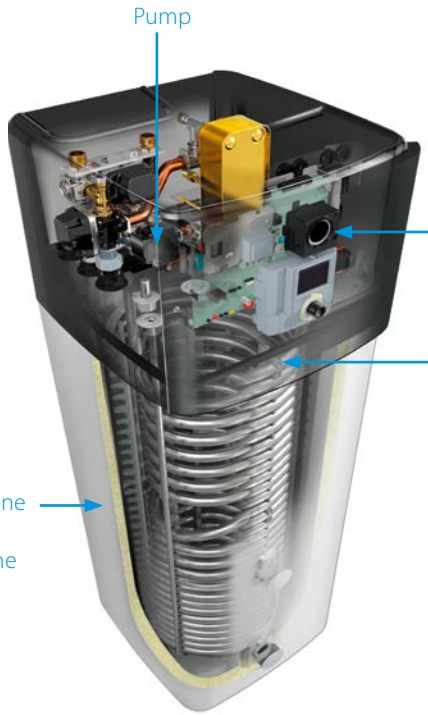
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH$_2$O



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

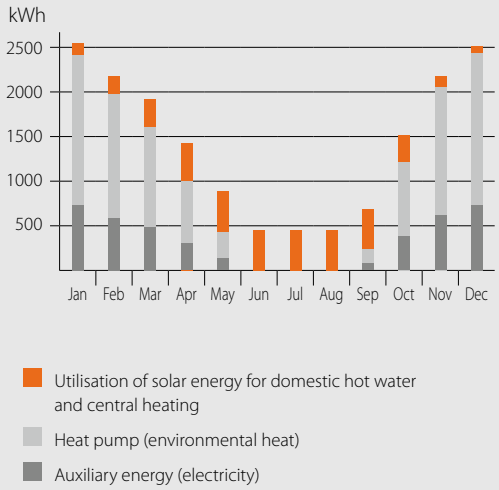
ECH_2O thermal store range: additional hot water comfort

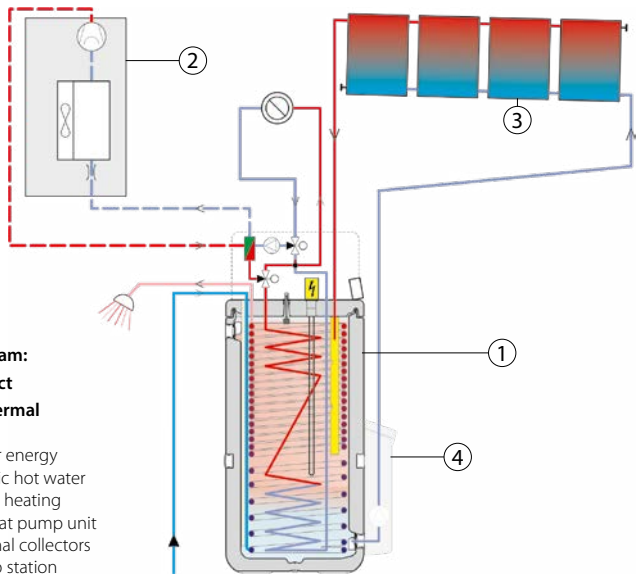
Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Pressureless (drain-back) solar system (EHSH-D, EHSX-D)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Pressurised solar system (EHSHB-D, EHSXB-D)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house





System diagram: HPSU compact with solar thermal

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

ERGA-DV EHSH-D

A+++ A 65°C R-32

011-1W0262
011-1W0264 → 267

Efficiency data				EHSH + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++				
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108		106	108	106
		Water heating energy efficiency class			A				

Indoor Unit				EHSH	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615		1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73		93	73	93
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25				
		Water side	Min.~Max.	°C	18~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	39.1				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation

ERGA-DV EHSHB-D

A+++ A 65°C R-32

011-1W0262
011-1W0264 → 267

Efficiency data				EHSHB + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++				
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108		110	108	110
		Water heating energy efficiency class			A				

Indoor Unit				EHSHB	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615		1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73		93	73	93
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25				
		Water side	Min.~Max.	°C	18~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	39.1				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

A+++ A 65°C R-32

011-1W0262 → 267

Efficiency data				EHSX + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0.94 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108	106	108	106	108	106
		Water heating energy efficiency class			A					

Indoor Unit				EHSX	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73	93	73	93	73	93
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39.1					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation

A+++ A 65°C R-32

011-1W0262 → 267

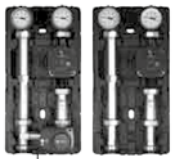
Efficiency data				EHSXB + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0.94 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108	110	108	110	108	110
		Water heating energy efficiency class			A					

Indoor Unit				EHSXB	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	76	99	76	99	76	99
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39.1					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO_2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Options

Type	Daikin Altherma 3 R ECH$_2$O		Material name
Controls		Room thermostat	RoCon U1 / EHS157034
		Mixer module	RoCon M1 / EHS157068
		Remote outdoor sensor	EKRSC1
		Gateway for apps	RoCon G1 / EHS157056
Back-up heater		Back-up heater 1 kW + Switchbox	EKBUB1C + EKBUHSWB
		Back-up heater 3 kW + Switchbox	EKBUB3C + EKBUHSWB
		Back-up heater 9 kW + Switchbox	EKBU9C + EKBUHSWB
Hydraulics		Hydraulic separator	HWC / 172900
		Heat insulation for HWC	WHWC / 172901
Pump group		Pump group with mixer module	156075
		Pump group without mixer module	156077
Additional connections		Dirt separator SAS1	SAS1 / 156021
		Dirt separator SAS2	SAS2 / 156023
		Biv connector kit	141589
		DB connector kit	141590
		Terminal connection kit	141592
		Connector external heater	141591
Other		Low sound cover for ERGA-D	EKLN-A

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

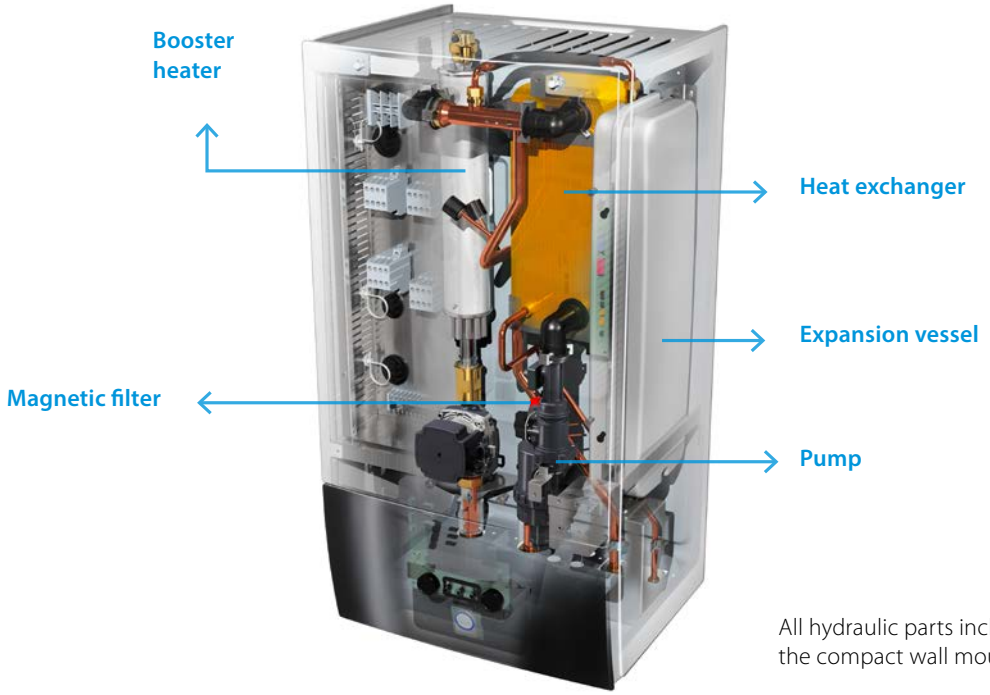
Daikin Altherma 3 R W wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH_2O thermal store



All hydraulic parts included in the compact wall mounted unit

Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH_2O thermal stores.

ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: with high tapping performance
- Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

Example of installation with a stainless steel domestic hot water tank.

Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25°C

EHBH-D6V

ERGA-DV

BRC1HHDW

011-1W0218-219
011-1W0221
011-1W0246-247

Efficiency data				EHBH + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++				

Indoor Unit				EHBH	04D6V	08D6V	08D9W	08D6V	08D9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~75				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO$_2$Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

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Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Outdoor unit extracts heat from the outdoor air, even at -25°C

EHBX-D6V

ERGA-DV

BRC1HHDK

011-1W0218-219
011-1W0221
011-1W0246-247

A+++ | 65°C | R-32

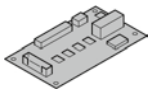
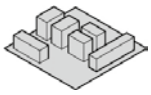
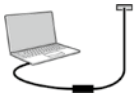
Efficiency data				EHBX + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.		kW	0.940 (1) / 1.36 (2)	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.17 (1) / 3.32 (2)	5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29	3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129	128		131	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.54	4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179	178		181	
			Seasonal space heating eff. class		A+++				

Indoor Unit			EHBX	04D6V	08D6V	08D9W	08D6V	08D9W
Casing	Colour			White + Black				
	Material			Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390				
Weight	Unit		kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side Min.~Max.	°C	25~75				
Sound power level	Nom.		dBA	42				
Sound pressure level	Nom.		dBA	28				

Outdoor Unit			ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.50		
	Charge		TCO$_2$Eq	1.01		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	58	60	62
	Cooling	Nom.	dBA	61	62	
Sound pressure level	Heating	Nom.	dBA	44	47	49
	Cooling	Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		
Current	Recommended fuses		A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Options

		Type	Material name	Daikin Altherma 3 R W
Controls		Remote user interface	BRC1HHDW/S/K	●
		LAN Adapter + PV Solar connection	BRP069A61	●
		LAN only	BRP069A62	●
		Room thermostat (wired)	EKRTWA	●
		Room thermostat (wireless)	EKRTR1	●
		External sensor	EKRTETS	●
Adapter		Demand PCB	EKRP1AHTA	●
		Digital I/O PCB	EKRP1HBAA	●
Back-up heater		Back-up heater kit	EKLBUHCB6W1	
Installation		Bi-Zone kit (watts kit)	BZKA7V3	●
Sensors		Remote indoor sensor	KRCS01-1	●
		Remote outdoor sensor	EKRSCA-1	●
Others		PC USB Cable	EKPCCAB4	●
		Conversion kit	EKHBCONV	●
			EKHVCONV	
		Low sound cover for ERGA-D	EKLN-A	●

Daikin Altherma 3 H EPGA-D 11-14-16 kW

powered by Bluevolution with R-32

reddot award 2018 winner

DESIGN AWARD 2018

R-32, the environmentally-friendly refrigerant

Bluevolution

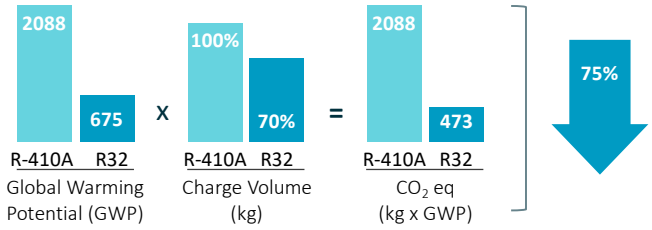
The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

BLUEVOLUTION

R-32

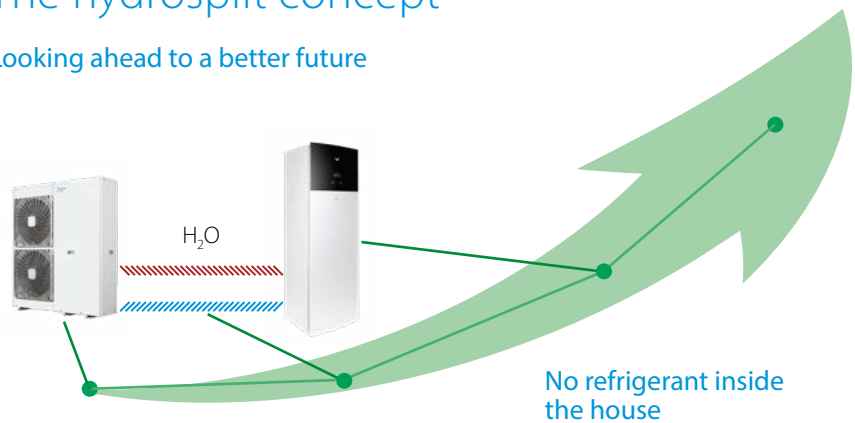
Environmentally-friendly

Thanks to the combination of its lower GWP (675 vs. 2087, 5 for R-410A) and a lower refrigerant charge, R-32 is able to reduce by 75% its CO_2 equivalent wich makes it better for the environment.



The hydrosplit concept

Looking ahead to a better future



Sealed R-32 refrigerant circuit

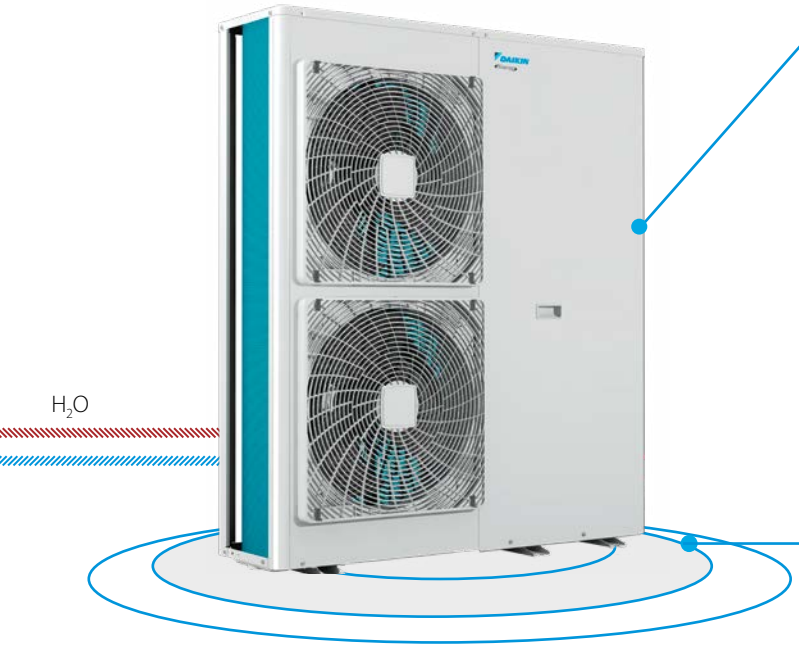
Reduction of the risk of refrierant leakage.

Water connections

Between the indoor and the outdoor units.

With R-32, the future is now

Pioneer in the use of R-32 in air-to-water heat pumps, Daikin places the reduction of its environment impact as an absolute priority.



Gas injection advantage

Higher capacity at low ambient

The Daikin Altherma 3 11-16 kW outdoor unit is equipped with a new gas injection scroll compressor allowing the unit to operate down to -28°C outside temperature.

Moreover, the heating capacity at low ambient temperature (-7/35°C) sees an improvement of 35% compared to its predecessor.

Convenient for sensitive urban areas

Low sound installer setting

In order to fulfill the requirements of the most sound sensitive urban areas, the installer can set up the unit in low sound mode that reduce the sound level by -3 dB(A).

Higher performances

Leaving water temperature

With a leaving water temperature of 60°C at -10°C outside, the Daikin Altherma 3 11-14-16 kW is perfect:

- For new build applications using underfloor heating;
- For renovation applications using radiators.

Top energy performances

Thanks to the use of R-32, the unit reaches the highest energy performances represented by the best energy labels.

Daikin Altherma 3 11-14-16 kW outdoor unit

The outdoor unit EPGA-D is available in size 11-14-16 kW 1 phase and is connectable to:

- EAB(H/X)-D wall mounted indoor units;
- EAV(H/X)-D tank integrated floor standing indoor units;
- EAVZ-D tank integrated and Bi-Zone floor standing indoor units.

up to A+++ A

DESIGN AWARD 2018

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R-32

BLUEVOLUTION

Daikin Altherma 3 H F

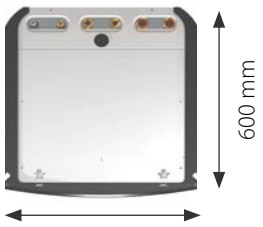
with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 H floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

Easy to install

Small footprint & practical handles



The floor standing unit is designed to be handled easily thanks to its practical handles and without cutting edges. Its small footprint facilitates the installation in smaller spaces and the access to all the hydraulic components helps the installer to work on the unit without effort.

Advanced
user interface

The Daikin Eye
The intuitive Daikin eye shows you in real time the status of your system.

Blue:
When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red:
When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

Quick to configure
Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation
Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design
The user interface was especially designed to be very intuitive.
The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

A complete range
to answer all needs

Heating only models - EAVH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.

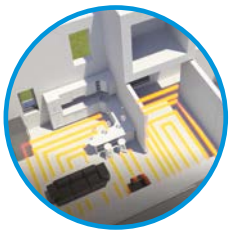
Reversible models - EAVX-D

Additionnaly to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.

Bi-Zone models - EAVZ-D

Daikin also provides a third option to satisfy all the needs: the Daikin Altherma 3 Bi-Zone models. Bi-Zone means that the unit can manage two different water temperature zones at the same time, for instance radiators (45°C) in the bedroom and underfloor heating (35°C) in the living room.



Colour choice

White Silver-grey

Capacity and sizes

180 or 230 L
1650 or 1850 mm

Daikin Altherma 3 H F

Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- Integrated stainless steel domestic hot water tank of 180 or 230L
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -28°C

011-1W0319 -> 324

up to A+++ | A | 60°C | R-32

Efficiency data				EAVH + EPGA	16S18D6V(G)/ D9W(G) + 11DV	16S23D6V(G)/ D9W(G) + 11DV	16S18D6V(G)/ D9W(G) + 14DV	16S23D6V(G)/ D9W(G) + 14DV	16S18D6V(G)/ D9W(G) + 16DV	16S23D6V(G)/ D9W(G) + 16DV
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29		3.34		3.41	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Seasonal space heating eff. class		A++		A+++			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Water heating energy efficiency class			A					

Indoor Unit				EAVH	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth		mm	1440x1160x380		
Weight	Unit			kg	143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	3.50		
	Charge			TCO_2Eq	2.36		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	64		66
	Cooling		Nom.	dBA	68		
Sound pressure level	Heating		Nom.	dBA	48	49	52
	Cooling		Nom.	dBA	55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 R F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

› Integrated stainless steel domestic hot water tank of 180 or 230L
› PCB board and hydraulic components are located in the front for easy access
› Small installation footprint of 595 x 600 mm
› Integrated back-up heater choice of 6 or 9 kW
› Outdoor unit extracts heat from the outdoor air, even at -28°C

BRC1HHDS

011-1W0319 -> 324

up to A+++ A 60°C R-32

Efficiency data				EAVX + EPGA	16S18D6V(G)/ D9W(G) + 11DV	16S23D6V(G)/ D9W(G) + 11DV	16S18D6V(G)/ D9W(G) + 14DV	16S23D6V(G)/ D9W(G) + 14DV	16S18D6V(G)/ D9W(G) + 16DV	16S23D6V(G)/ D9W(G) + 16DV
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)	
Power input	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.32		3.37		3.43	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.44		4.51		4.61	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Seasonal space heating eff. class		A++		A+++			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Water heating energy efficiency class			A					

Indoor Unit				EAVX	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~60					
	Cooling	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth		mm	1440x1160x380		
Weight	Unit			kg	143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	3.50		
	Charge			TCO₂Eq	2.36		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	64		66
	Cooling		Nom.	dBA	68		
Sound pressure level	Heating		Nom.	dBA	48	49	52
	Cooling		Nom.	dBA	55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- Integrated stainless steel domestic hot water tank of 180 or 230L
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -28°C

EAVZ-D6V

EPGA-DV

BRC1HHDK

up to A+++ A 60°C R-32

011-1W0319 -> 324

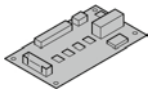
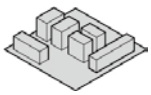
Efficiency data				EAVZ + EPGA	16S18D6V/D9W + 11DV	16S23D6V/D9W + 11DV	16S18D6V/D9W + 14DV	16S23D6V/D9W + 14DV	16S18D6V/D9W + 16DV	16S23D6V/D9W + 16DV
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29		3.34		3.41	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Seasonal space heating eff. class		A++		A+++			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Water heating energy efficiency class			A					

Indoor Unit				EAVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	120	128	120	128	120	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth		mm	1440x1160x380		
Weight	Unit			kg	143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	3.50		
	Charge			TCO_2Eq	2.36		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	64		66
	Cooling		Nom.	dBA	68		
Sound pressure level	Heating		Nom.	dBA	48	49	52
	Cooling		Nom.	dBA	55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Options

		Type	Material name	Daikin Altherma 3 H F
Controls		Remote user interface	BRC1HHDK/S/W	●
		LAN Adapter + PV Solar connection	BRP069A61	●
		LAN only	BRP069A62	●
		Room thermostat (wired)	EKRTWA	●
		Room thermostat (wireless)	EKRTR1	●
		External sensor	EKRTETS	●
		DCOM gateway	DCOM-LT/IO	
		DCOM gateway	DCOM-LT/MB	
Adapter		Demand PCB	EKRP1AHTA	●
		Digital I/O PCB	EKRP1HBAA	●
Installation		Bi-Zone kit (watts kit)	BZKA7V3	● (excluding EHVZ)
		Third party tank it for tank with sensor pocket	EKHY3PART	
		Third party tank kit for tank with built-in thermostat	EKHY3PART2	
Sensors		Remote indoor sensor	KRCS01-1	●
		Remote outdoor sensor	EKRSCA-1	●
Others		PC USB Cable	EKPCCAB4	●
		Conversion kit	EKHBCONV	
			EKHVCONV2	●
		Universal centralized controller	EKCC8-W	●
		Freeze protection valve	AFVALVE1	●
		Heat pump convector + valve kit	FWXV-A + EKVKHPC	●

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BLUEVOLUTION

Daikin Altherma 3 H W

wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 H W split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH$_2$O thermal store

Advanced
user interface

The Daikin Eye
The intuitive Daikin eye shows you in real time the status of your system.

Blue:
When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red:
When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

Quick to configure
Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation
Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design
The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Multiple tank solutions,
infinite possibilities

ECH$_2$O Thermal stores (EKHWP-(P)B)
Connect your Daikin Altherma 3 wall mounted unit with a thermal store and take advantage of the energy of the sun.

Stainless steel tank (EKHWS(U)-D)
Connect your Daikin Altherma 3 wall mounted unit with a stainless steel tank to achieve efficient domestic hot water heating production.

Flexibility in providing domestic hot water

Heating only models - EABH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.

Reversible models - EABX-D

Additionnaly to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.

Daikin Altherma 3 H W

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- Combine with a stainless steel tank or ECH$_2$O thermal store to provide domestic hot water
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -28°C

up to A+++ 60°C R-32

011-1W0319 -> 324

Efficiency data				EABH + EPGA	16D6V/D9W + 11DV	16D6V/D9W + 14DV	16D6V/D9W + 16DV
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.29	3.34	3.41
			ηs (Seasonal space heating efficiency)	%	129	130	133
			Seasonal space heating eff. class		A++		
	Average climate water outlet 35°C	General	SCOP		4.38	4.45	4.56
			ηs (Seasonal space heating efficiency)	%	172	175	179
			Seasonal space heating eff. class		A++	A+++	

Indoor Unit				EABH	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	38					
Operation range	Heating	Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Water side	Min.~Max.	°C	25~75					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth		mm	1440x1160x380		
Weight	Unit			kg	143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	3.50		
	Charge			TCO$_2$Eq	2.36		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	64		66
	Cooling		Nom.	dBA	68		
Sound pressure level	Heating		Nom.	dBA	48	49	52
	Cooling		Nom.	dBA	55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 H W

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- Combine with a stainless steel tank or ECH$_2$O thermal store to provide domestic hot water
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -28°C

EABX-D6V

EPGA-DV

BRC1HHDK

up to A+++

60°C

R-32

011-1W0319 -> 324

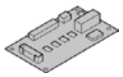
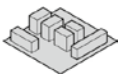
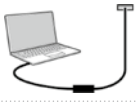
Efficiency data				EABX + EPGA	16D6V/D9W + 11DV	16D6V/D9W + 14DV	16D6V/D9W + 16DV
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)	11.1 (1) / 11.9 (2)	13.5 (1) / 11.9 (2)
Power input	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)	2.72 (1) / 3.97 (2)	3.42 (1) / 3.97 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
EER					4.75 (1) / 3.23 (2)	4.09 (1) / 2.99 (2)	3.94 (1) / 2.99 (2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.32	3.37	3.43
			ηs (Seasonal space heating efficiency)	%	130	132	134
			Seasonal space heating eff. class		A++		
	Average climate water outlet 35°C	General	SCOP		4.44	4.51	4.61
			ηs (Seasonal space heating efficiency)	%	175	178	182
			Seasonal space heating eff. class		A++	A+++	

Indoor Unit				EABX	16D6V	16D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	38					
Operation range	Heating	Water side	Min.~Max.	°C	15~60					
	Domestic hot water	Water side	Min.~Max.	°C	25~75					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	HeightxWidthxDepth		mm	1440x1160x380		
Weight	Unit			kg	143		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	3.50		
	Charge			TCO$_2$Eq	2.36		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	64		66
	Cooling		Nom.	dBA	68		
Sound pressure level	Heating		Nom.	dBA	48	49	52
	Cooling		Nom.	dBA	55		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	32		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Options

		Type	Material name	Daikin Altherma 3 H W
Controls		Remote user interface	BRC1HHDK/S/W	●
		LAN Adapter + PV Solar connection	BRP069A61	●
		LAN only	BRP069A62	●
		Room thermostat (wired)	EKRTWA	●
		Room thermostat (wireless)	EKRTR1	●
		External sensor	EKRTETS	●
		DCOM gateway	DCOM-LT/IO	
		DCOM gateway	DCOM-LT/MB	
Adapter		Demand PCB	EKRP1AHTA	●
		Digital I/O PCB	EKRP1HBAA	●
Installation		Bi-Zone kit (watts kit)	BZKA7V3	●
		Third party tank it for tank with sensor pocket	EKHY3PART	●
		Third party tank kit for tank with built-in thermostat	EKHY3PART2	●
Sensors		Remote indoor sensor	KRCS01-1	●
		Remote outdoor sensor	EKRSCA-1	●
Others		PC USB Cable	EKPCCAB4	●
		Conversion kit	EKHBCONV	●
			EKHVCONV2	
		Universal centralized controller	EKCC8-W	●
		Freeze protection valve	AFVALVE1	●
		Heat pump convector + valve kit	FWXV-A + EKVKHPC	●

HOTELS DE PARIS

R-410A

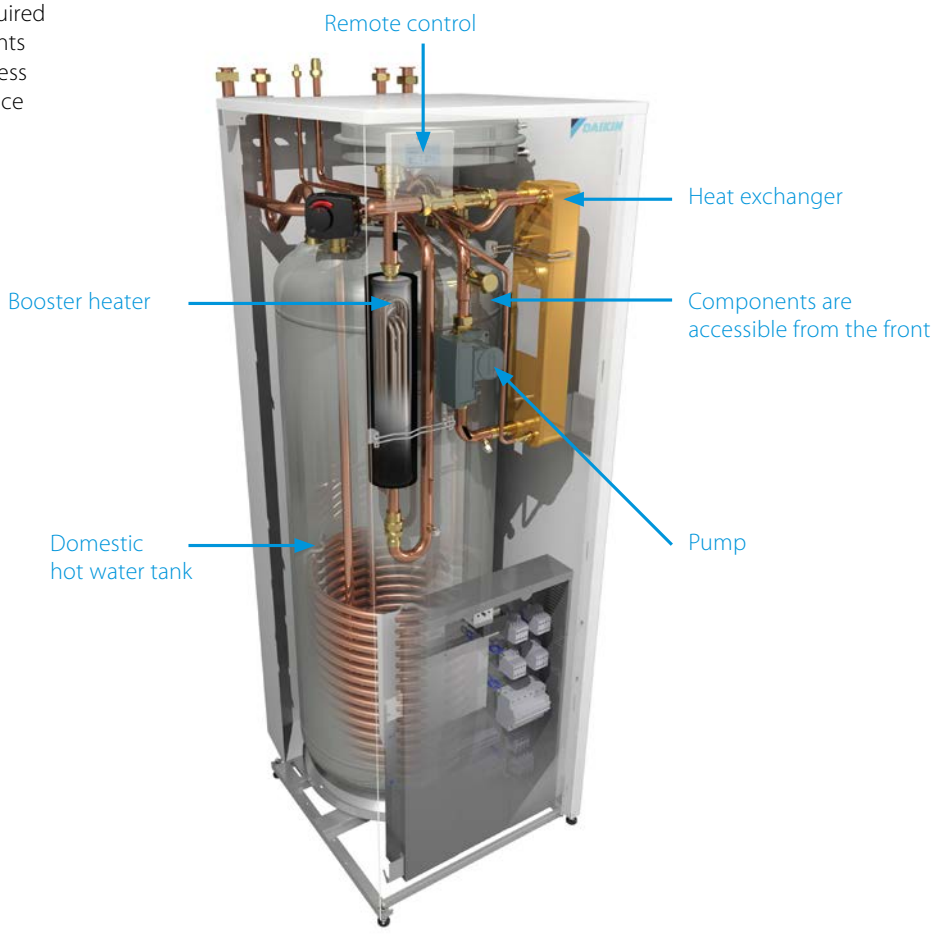
Daikin Altherma R F low temperature split

floor standing unit with integrated domestic hot water tank

The Daikin Altherma floor standing unit delivers heating domestic hot water and cooling for new builds and low-energy houses.

All-in-one system to save installation space and time

- A combined stainless steel domestic hot water tank and heat pump ensures a faster installation compared to traditional systems
- Inclusion of all hydraulic components means no third-party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint with space reduced by more than 30%
- Integrated Bi-Zone kit allows temperature monitoring for two zones: connect underfloor heating to radiators to optimise efficiency



All-in-one design reduces the installation footprint and height

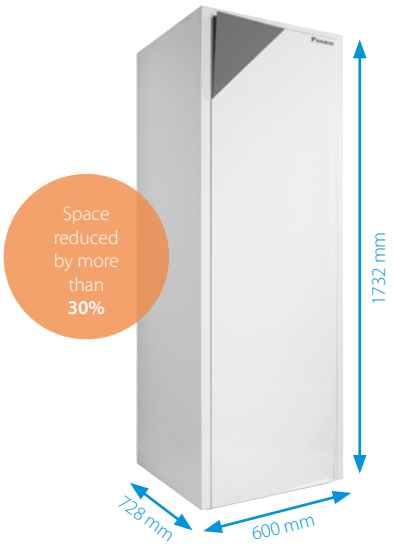
Compared to the traditional split version for a wall mounted indoor unit and separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

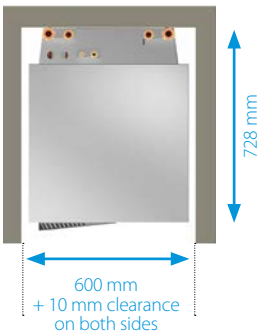
Smaller footprint: with a width of only 600 mm and a depth of 728 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit. This results in an installation footprint of only 0.45 m^2.

Low installation height: both the 180l and 260l version come with a height of 173 cm. The required installation hight is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easily blending in with other household appliances.

Integrated indoor unit





Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

011-1W0068 → 78

Efficiency data				EHVH + ERLQ-C	11S18CB3V / 11S26CB9W + 011CV3		16S18CB3V / 16S26CB9W + 014CV3		16S18CB3V / 16S26CB9W + 016CV3		11S18CB3V / 11S26CB9W + 011CW1		16S18CB3V / 16S26CB9W + 014CW1		16S18CB3V / 16S26CB9W + 016CW1	
Heating capacity	Nom.			kW	11.2(1)/ 11.0(2)		14.5(1)/ 13.6(2)		16.0(1)/ 15.2(2)		11.2(1)/ 11.0(2)		14.5(1)/ 13.6(2)		16.0(1)/ 15.2(2)	
Power input	Heating	Nom.		kW	2.43(1)/ 3.10(2)		3.37(1)/ 4.10(2)		3.76(1)/ 4.66(2)		2.43(1) / 3.10(2)		3.37(1)/ 4.10(2)		3.76(1)/ 4.66(2)	
COP					4.60 (1) / 2.75 (3) / 3.55 (2) / 2.10 (4)		4.30 (1) / 2.65 (3) / 3.32 (2) / 2.08, (4)		4.25 (1) / 2.64 (3) / 3.26 (2) / 2.09 (4)		4.60 (1) / 2.75 (3) / 3.55 (2) / 2.10 (4)		4.30 (1) / 2.65 (3) / 3.32 (2) / 2.08 (4)		4.25 (1) / 2.64 (3) / 3.26 (2) / 2.09 (4)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.09		3.16		3.06		3.09		3.16		3.06	
			ηs (Seasonal space heating efficiency)	%	120		123		119		120		123		119	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		3.98		3.90		3.80		3.98		3.90		3.80	
			ηs (Seasonal space heating efficiency)	%	156		153		149		156		153		149	
			Seasonal space heating eff. class		A++				A+		A++				A+	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7
		Water heating energy efficiency class			A											

Indoor Unit				EHVH	11S18CB3V / 11S26CB9W		16S18CB3V / 16S26CB9W		16S18CB3V / 16S26CB9W		11S18CB3V / 11S26CB9W		16S18CB3V / 16S26CB9W		16S18CB3V / 16S26CB9W	
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728											
Weight	Unit			kg	117	126	118	128	118	128	117	126	118	128	118	128
Tank	Water volume			l	180	260	180	260	180	260	180	260	180	260	180	260
	Maximum water temperature			°C	65											
	Maximum water pressure			bar	10											
	Corrosion protection				Anode											
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60											
Sound power level	Nom.			dBA	42.0		44.0				42.0		44.0			
Sound pressure level	Nom.			dBA	28.0		30.0				28.0		30.0			

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

Efficiency data				EHVH + ERHQ-B	11S26CB9W / 11S18CB3V + 011BV3		16S26CB9W / 16S18CB3V + 014BV3		16S26CB9W / 16S18CB3V + 016BV3		11S26CB9W / 11S18CB3V + 011BW1		16S26CB9W / 16S18CB3V + 014BW17		16S18CB3V / 16S26CB9W + 016BW1	
Heating capacity	Nom.			kW	11.2(1)/ 10.3(2)		14.0(1)/ 13.1(2)		16.0(1)/ 15.2(2)		11.3(1)/ 11.0(2)		14.5(1)/ 13.6(2)		16.1(1)/ 15.1(2)	
Power input	Heating	Nom.		kW	2.55(1)/ 3.17(2)		3.26(1)/ 4.04(2)		3.92(1)/ 4.75(2)		2.63(1)/ 3.24(2)		3.42(1)/ 4.21(2)		3.82(1)/ 4.69(2)	
COP					4.39(1)/ 3.25(2)		4.29(1)/ 3.24(2)		4.08(1)/ 3.20(2)		4.30(1)/ 3.39(2)		4.24(1)/ 3.22(2)		4.20(1)/ 3.22(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34			
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			
Domestic hot water heating	General	Declared load profile			XL	L	XL	L	XL	L	XL	L	XL	L	L	XL
	Average climate	ηwh (water heating efficiency)		%	95.3	90.5	95.3	90.5	95.3	90.5	87.3	84.3	87.3	84.3	84.3	87.3
		Water heating energy efficiency class			A											

Indoor Unit				EHVH	11S26CB9W / 11S18CB3V		16S26CB9W / 16S18CB3V		16S26CB9W / 16S18CB3V		11S26CB9W / 11S18CB3V		16S26CB9W / 16S18CB3V		16S18CB3V / 16S26CB9W	
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728											
Weight	Unit			kg	126	117	128	118	128	118	126	117	128	118	118	128
Tank	Water volume			l	260	180	260	180	260	180	260	180	260	180	180	260
	Maximum water temperature			°C	65											
	Maximum water pressure			bar	10											
	Corrosion protection				Anode											
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60											
Sound power level	Nom.			dBA	42.0		44.0				42.0		44.0			
Sound pressure level	Nom.			dBA	28.0		30.0				28.0		30.0			

Outdoor Unit				ERHQ-B	011BV3		014BV3		016BV3		011BW1		014BW17		016BW1	
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320						1,345x900x320					
Weight	Unit			kg	102						108					
Compressor	Quantity				1											
	Type				Hermetically sealed scroll compressor											
Operation range	Cooling	Min.~Max.		°CDB	10.0~46.0											
	Domestic hot water	Min.~Max.		°CDB	-20 ~35											
Refrigerant	Type				R-410A											
	GWP				2,087.5											
	Charge			kg	2.7						3.0					
	Charge			TCO_2Eq	5.6						6.3					
	GWP				2,087.5											
Sound power level	Heating	Nom.		dBA	64				66		64				66	
	Cooling	Nom.		dBA	64		66		69		64		66		69	
Sound pressure level	Heating	Nom.		dBA	49		51		53		51				52	
	Cooling	Nom.		dBA	50		52		54		50		52		54	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400					
Current	Recommended fuses			A	32						20					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma R F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

011-1W0068 → 78

up to A++ A

Efficiency data				**EHVX + ERLQ-C**	**11S18CB3V / 11S26CB9W + 011CV3**	**16S18CB3V / 16S26CB9W + 014CV3**	**16S18CB3V / 16S26CB9W + 016CV3**	**11S18CB3V / 11S26CB9W + 011CW1**	**16S18CB3V / 16S26CB9W + 014CW1**	**16S18CB3V / 16S26CB9W + 016CW1**
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Cooling capacity	Nom.			kW	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
	Cooling	Nom.		kW	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)
COP					4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)	4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)
EER					3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class			A++	A+	A++		A+
Domestic hot water heating	General	Declared load profile			L / XL	L / XL	L / XL	L / XL	L / XL	L / XL
	Average climate	ηwh (water heating efficiency)		%	87.4 / 97.7	87.4 / 97.7	87.4 / 97.7	87.4 / 97.7	87.4 / 97.7	87.4 / 97.7
		Water heating energy efficiency class			A					

Indoor Unit				**EHVX**	**11S18CB3V**	**11S26CB9W**	**16S18CB3V**	**16S26CB9W**
Casing	Colour				White			
	Material				Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728			
Weight	Unit			kg	119	128	120	130
Tank	Water volume			l	180	260	180	260
	Maximum water temperature			°C	65			
	Maximum water pressure			bar	10			
	Corrosion protection				Anode			
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0			
	Cooling	Water side	Min.~Max.	°C	5.00~22.0			
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60			
Sound power level	Nom.			dBA	42.0		44.0	
Sound pressure level	Nom.			dBA	28.0		30.0	

Outdoor Unit				**ERLQ-C**	**011CV3**	**014CV3**	**016CV3**	**011CW1**	**014CW1**	**016CW1**
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

DAIKIN altherma

Daikin Altherma R F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
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- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVX-CB

ERHQ011-016BW1

up to A+ A 55°C R-410A

Efficiency data				**EHVX + ERHQ-B**	11S18CB3V + 011BV3	11S26CB9W + 011BV3	16S26CB9W + 014BV3	16S18CB3V + 014BV3	16S26CB9W + 016BV3	16S18CB3V + 016BV3	11S18CB3V + 011BW1	11S26CB9W + 011BW1	16S26CB9W + 014BW17	16S18CB3V + 014BW17	16S18CB3V + 016BW1	16S26CB9W + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)		14.0 (1) / 13.1(2)		16.0 (1) / 15.2(2)		11.3 (1) / 11.0(2)		14.5 (1) / 13.6(2)		16.1 (1) / 15.1(2)	
Cooling capacity	Nom.			kW	13.9 (1) / 10.0(2)		17.3 (1) / 12.5(2)		17.8 (1) / 13.1(2)		15.1 (1) / 11.7(2)		16.1 (1) / 12.6(2)		16.8 (1) / 13.1(2)	
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)		3.26 (1) / 4.04(2)		3.92 (1) / 4.75(2)		2.63 (1) / 3.24(2)		3.42 (1) / 4.21(2)		3.82 (1) / 4.69(2)	
	Cooling	Nom.		kW	3.86 (1) / 3.69(2)		5.86 (1) / 5.69(2)		6.87 (1) / 5.95(2)		4.53 (1) / 4.31(2)		5.43 (1) / 5.08(2)		6.16 (1) / 5.73(2)	
COP					4.39 (1) / 3.25(2)		4.29 (1) / 3.24(2)		4.08 (1) / 3.20(2)		4.30 (1) / 3.39(2)		4.24 (1) / 3.22(2)		4.20 (1) / 3.22(2)	
EER					3.60 (1) / 2.71(2)		2.95 (1) / 2.32(2)		2.59 (1) / 2.20(2)		3.32 (1) / 2.72(2)		2.96 (1) / 2.47(2)		2.72 (1) / 2.29(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86 / 2.80		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111 / 109		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L		XL		L		XL	
	Average climate	ηwh (water heating efficiency)		%	90.5	95.3	90.5	95.3	90.5	84.3	87.3		84.3		87.3	
		Water heating energy efficiency class			A											

Indoor Unit				**EHVX**	11S18CB3V	11S26CB9W	16S26CB9W	16S18CB3V	16S26CB9W	16S18CB3V	11S18CB3V	11S26CB9W	16S26CB9W	16S18CB3V	16S18CB3V	16S26CB9W
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728											
Weight	Unit			kg	119	128	130	120	130	120	119	128	130	120		130
Tank	Water volume			l	180	260		180	260	180		260		180		260
	Maximum water temperature			°C	65											
	Maximum water pressure			bar	10											
	Corrosion protection				Anode											
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Cooling	Water side	Min.~Max.	°C	5.00~22.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60											
Sound power level	Nom.			dBA	42.0		44.0				42.0		44.0			
Sound pressure level	Nom.			dBA	28.0		30.0				28.0		30.0			

Outdoor Unit				**ERHQ-B**	011BV3	011BV3	014BV3	014BV3	016BV3	016BV3	011BW1	011BW1	014BW1	014BW17	016BW1	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320						1,345x900x320					
Weight	Unit			kg	102						108					
Compressor	Quantity				1											
	Type				Hermetically sealed scroll compressor											
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0											
	Domestic hot water		Min.~Max.	°CDB	-20 ~35											
Refrigerant	Type				R-410A											
	GWP				2,087.5											
	Charge			kg	2.7						3.0					
	Charge			TCO_2Eq	5.6						6.3					
	GWP				2,087.5											
Sound power level	Heating		Nom.	dBA	64				66		64				66	
	Cooling		Nom.	dBA	64		66		69		64		66		69	
Sound pressure level	Heating		Nom.	dBA	49		51		53		51				52	
	Cooling		Nom.	dBA	50		52		54		50		52		54	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400					
Current	Recommended fuses			A	32						20					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma R F

Optimum efficiency offering full flexibility in heat emitters

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- Offers flexibility to the end user to combine different heat emitters e.g. under floor heating and radiators while optimising the efficiency
- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Energy efficient heating only system based on air to water heat pump technology
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

011-1W0068 → 78

Efficiency data				**EHVZ + ERLQ-C**	**16S18CB3V + 011CV3**	**16S18CB3V + 014CV3**	**16S18CB3V + 016CV3**	**16S18CB3V + 011CW1**	**16S18CB3V + 014CW1**	**16S18CB3V + 016CW1**
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.4(1) / 13.5(2)	15.9(1) / 15.1(2)	11.2(1) / 11.0(2)	14.4(1) / 13.5(2)	15.9(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.39(1) / 4.12(2)	3.77(1) / 4.67(2)	2.43(1) / 3.10(2)	3.39(1) / 4.12(2)	3.77(1) / 4.67(2)
COP					4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.24(1) / 2.61(3) / 3.28(2) / 2.05(4)	4.22(1) / 2.61(3) / 3.23(2) / 2.07(4)	4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.24(1) / 2.61(3) / 3.28(2) / 2.05(7)	4.22(1) / 2.61(3) / 3.23(2) / 2.07(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		-					
			ηs (Seasonal space heating efficiency)	%	-					
			Seasonal space heating eff. class		-					
Pump Additional Zone	Nominal ESP unit (*RLQ*C*)	Heating		kPa	26.2 (1) / 28.3 (2)	25.0		26.2 (1) / 28.3 (2)	25.0	
Pump Main Zone	Nominal ESP unit (*RLQ*C*)	Heating		kPa	18.2 (1) / 20.7 (2)	25.0		18.2 (1) / 20.7 (2)	25.0	
Domestic hot water heating	General	Declared load profile			L					
	Average climate	ηwh (water heating efficiency)		%	87.4					
		Water heating energy efficiency class			A					

Indoor Unit				**EHVZ**	**16S18CB3V**	**16S18CB3V**	**16S18CB3V**	**16S18CB3V**	**16S18CB3V**	**16S18CB3V**
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	121					
Tank	Water volume			l	180					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55					
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				**ERLQ-C**	**011CV3**	**014CV3**	**016CV3**	**011CW1**	**014CW1**	**016CW1**
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R F

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- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVZ-CB3V

ERHQ011-016BW1

Efficiency data				EHVZ + ERHQ-B	16S18CB3V + 011BV3	16S18CB3V + 014BV3	16S18CB3V + 016BV3	16S18CB3V + 011BW1	16S18CB3V + 014BW17	16S18CB3V + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
Pump Additional Zone	Nominal ESP unit (*RHQ*B*)	Heating		kPa	26.2 (1.000) / 35.0 (2.000)	25.0 (5.000)		24.8 (1.000) / 28.3 (2.000)	25.0 (5.000)	
Pump Main Zone	Nominal ESP unit (*RHQ*B*)	Heating		kPa	18.2 (1.000) / 28.8 (2.000)	25.0 (5.000)		16.4 (1.000) / 20.7 (2.000)	25.0 (5.000)	
Domestic hot water heating	General	Declared load profile			L					
	Average climate	ηwh (water heating efficiency)		%	90.5			84.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVZ	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	121					
Tank	Water volume			l	180					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55					
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO_2Eq	5.6			6.3		
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R F

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

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- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVH-CBV ERLQ011-016CW1

011-1W0068 →78

up to A++ A 55°C R-410A

Efficiency data				EHVH + ERLQ-C	11S26CBV + 011CV3	16S26CBV + 014CV3	16S26CBV + 016CV3	11S26CBV + 011CW1	16S26CBV + 014CW1	16S26CBV + 016CW1
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43 (1) / 3.10 (2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)	4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class		A++		A+	A++		A+
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	97.7					97.7
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11S26CBV	16S26CBV	16S26CBV	11S26CBV	16S26CBV	16S26CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	124	126		124	126	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side Min.~Max.		°C	10 ~55.0					
	Domestic hot water	Water side Min.~Max.		°C	25~70					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R F

Floor standing air to water heat pump for heating and hot water, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVH-CBV

ERHQ011-016BW1

up to A+ A 55°C R-410A

Efficiency data				EHVH + ERHQ-B	11S26CBV + 011BV3	16S26CBV + 014BV3	16S26CBV + 016BV3	11S26CBV + 011BW1	16S26CBV + 014BW17	16S26CBV + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)	14.0 (1) / 13.1(2)	16.0 (1) / 15.2(2)	11.3 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.1 (1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)	3.26 (1) / 4.04(2)	3.92 (1) / 4.75(2)	2.63 (1) / 3.24(2)	3.42 (1) / 4.21(2)	3.82 (1) / 4.69(2)
COP					4.39 (1) / 3.25(2)	4.29 (1) / 3.24(2)	4.08 (1) / 3.20(2)	4.30 (1) / 3.39(2)	4.24 (1) / 3.22(2)	4.20 (1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	95.3			87.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11S26CBV	16S26CBV	16S26CBV	11S26CBV	16S26CBV	16S26CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	124	126		124	126	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	10 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~70					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO_2Eq	5.6			6.3		
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma R F

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: pre-plumbed and pre-wired indoor unit for a simpler, hassle free and neater heating and hot water installation
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVH-CB6W ERLQ011-016CW1

011-1W0068 →78

up to A++ A 55°C R-410A

Efficiency data				EHVH + ERLQ-C	11SU26CB6W + 011CV3	16SU26CB6W + 014CV3	16SU26CB6W + 016CV3	11SU26CB6W + 011CW1	16SU26CB6W + 014CW1	16SU26CB6W + 016CW1
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43 (1) / 3.10 (2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)	4.60(1) / 2.75(3) / 3.55(2) / 2.10(4)	4.30(1) / 2.65(3) / 3.32(2) / 2.08(4)	4.25(1) / 2.64(3) / 3.26(2) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class		A++		A+	A++		A+
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	97.7					
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11SU26CB6W	16SU26CB6W	16SU26CB6W	11SU26CB6W	16SU26CB6W	16SU26CB6W
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	128	130		128	130	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~65					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R F

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: pre-plumbed and pre-wired indoor unit for a simpler, hassle free and neater heating and hot water installation
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHVH-CB6W

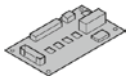
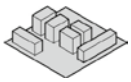
ERHQ011-016BW1

Efficiency data				EHVH + ERHQ-B	11SU26CB6W + 011BV3	16SU26CB6W + 014BV3	16SU26CB6W + 016BV3	11SU26CB6W + 011BW1	16SU26CB6W + 014BW17	16SU26CB6W + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	95.3			87.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11SU26CB6W	16SU26CB6W	16SU26CB6W	11SU26CB6W	16SU26CB6W	16SU26CB6W
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	128	130		128	130	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~65					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10.0~46.0					
	Domestic hot water	Min.~Max.		°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO_2Eq	5.6			6.3		
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	49	51	53	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

		Type	Material name	Daikin Altherma R F / W 11-16kW
Controls		LAN adapter	BRP069A62	•
		LAN adapter + PV solar connection	BRP069A61	•
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1	•
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3	•
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2	•
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4	•
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5	•
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6	•
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7	•
		Simplified user interface	EKRUCBSB	•
		Room thermostat (wired)	EKRTWA	•
		Room thermostat (wireless)	EKRTR1	•
		Centralised controller kit	EKCC-W	•
Adapter		Demand PCB	EKRP1AHTA	•
		Digital I/O PCB	EKRP1HBAA	•
Back-up heater		Back-up heater kit	EKLBUHCB6W1	•
		Booster heater for tank integrated design	EKBSHCA3V3	•
		Bottom plate heater	EKBPHTH16A	•
Drain		Drain kit	EKDK04	•
		Drain pan for indoor wall mounted	EKHBDPCA2	•
Filter		Magnetic filter without additives	K.FERNOXTF1	•
		Magnetic filter with additive (500ml inhibitor fluid F1)	K.FERNOXTF1FL	•
Installation		Bi-Zone kit	BZKA7V3	•
		Snowcover	EK016SNCA	•
		UK tank kit	EKVSU260A	•
Sensor		Remote indoor sensor	KRCS01-1B	•
		External sensor	EKRTETS	•
Others		PC cable	EKPCCAB4	•

Daikin Altherma R ECH_2O low temperature split

integrated ECH_2O

The Daikin Altherma low temperature split integrated ECH_2O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH_2O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

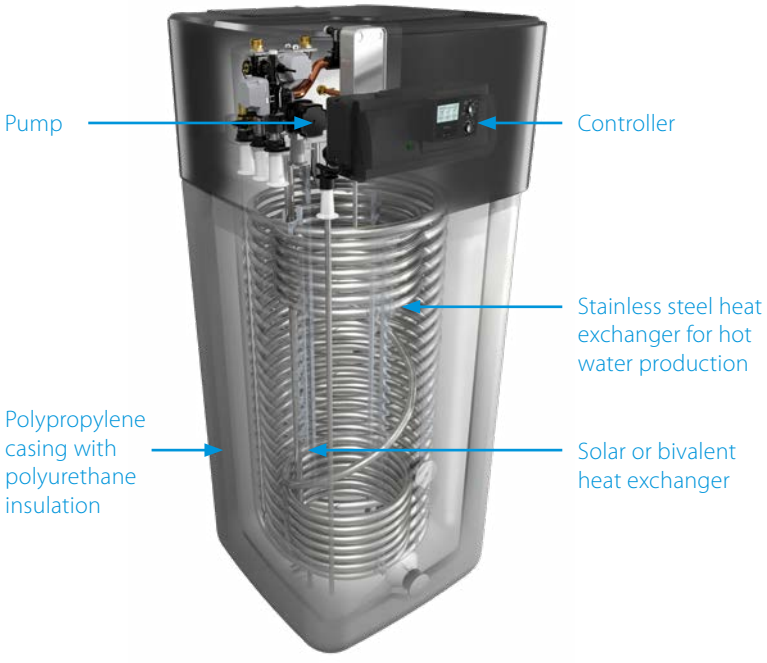
ECH_2O

Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption



R-410A

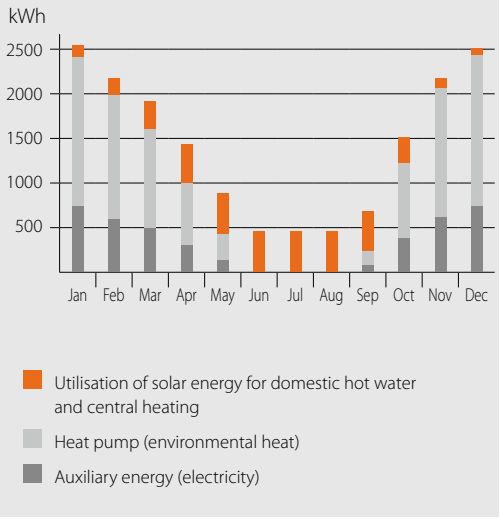
ECH$_2$O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Pressureless (drain-back) solar system (EHSH-B, EHSX-B)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

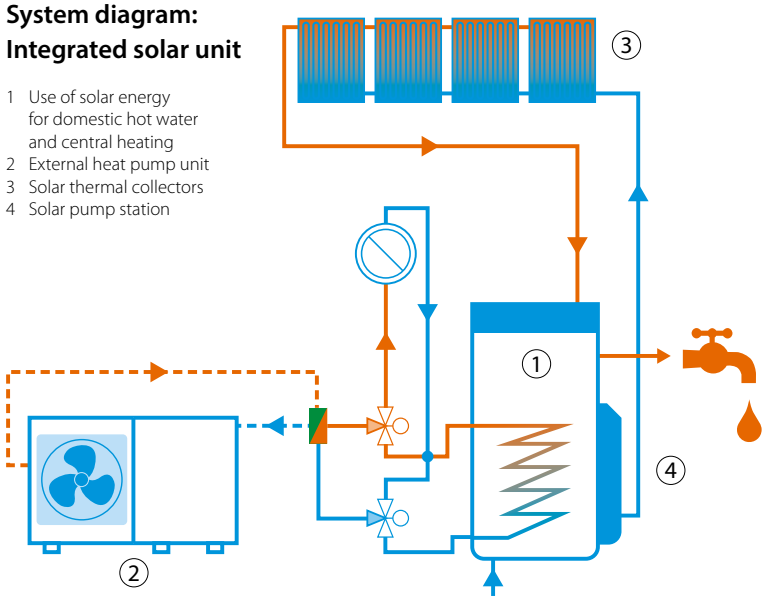
Pressurised solar system (EHSHB-B, EHSXB-B)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma R ECH$_2$O

Floor standing air to water heat pump for **heating and hot water with thermal solar support**

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

EHSH-B ERLQ011-016CW1

A++ A 55°C R-410A

011-1W0087 → 95

Efficiency data				EHSH + ERLQ-C	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04(1) / 10.05(2) / 15.34(3) / 14.86(4)
Power input	Heating	Nom.		kW	2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	
COP					4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	125	126	125		126	125
			Seasonal space heating eff. class		A++					
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	83					
		Water heating energy efficiency class			A					

Indoor Unit				EHSH	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)
	Material				Impact resistant polypropylene
Dimensions	Unit	HeightxWidthxDepth		mm	1,945 / 1,890x790x790
Weight	Unit			kg	113
Tank	Water volume			l	477
	Maximum water temperature			°C	85
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35
		Water side	Min.~Max.	°C	15 ~55
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35
		Water side	Min.~Max.	°C	25~55
Sound power level	Nom.			dBA	40
Sound pressure level	Nom.			dBA	28

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO$_2$Eq	7.1					
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

DAIKIN altherma

Daikin Altherma R ECH$_2$O

Floor standing air to water heat pump for **bivalent heating and hot water with thermal solar support**

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation

EHSHB-B ERLQ011-016CW1

011-1W0068 → 78

A++ A 55°C R-410A

Efficiency data				EHSHB + ERLQ-C	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Power input	Heating	Nom.		kW	2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
COP					4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	125	126	125		126	125
			Seasonal space heating eff. class		A++					
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	84					
		Water heating energy efficiency class			A					

Indoor Unit				EHSHB	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x790x790				
Weight	Unit			kg	118				
Tank	Water volume			l	477				
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35				
		Water side	Min.~Max.	°C	15 ~55				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	40				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO$_2$Eq	7.1					
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

Daikin Altherma R ECH$_2$O

Floor standing air to water heat pump for **heating, cooling and hot water with thermal solar support**

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

011-1W0096 → 104

A++ A 55°C R-410A

Efficiency data				EHSX + ERLQ-C	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Cooling capacity	Nom.			kW	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8(1) / 13.1(2)	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8 / 13.1
Power input	Heating	Nom.		kW	2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
	Cooling	Nom.		kW	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18(1) / 5.72(2)	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18 / 5.72
COP					4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
EER					3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72(1) / 2.29(2)	3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72 / 2.29
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	128	130	127	128	130	127
			Seasonal space heating eff. class		A++					
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	83					
		Water heating energy efficiency class			A					

Indoor Unit				EHSX	16P50B	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x790x790		1,945 / 1,890x790x790	1,890x790x790	1,945 / 1,890x790x790	
Weight	Unit			kg	116		113	116	113	
Tank	Water volume			l	477					
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35					
		Water side	Min.~Max.	°C	15 ~55					
	Cooling	Ambient	Min.~Max.	°CDB	10~43		-~-	10~43	-~-	
		Water side	Min.~Max.	°C	-~-					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	40					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO$_2$Eq	7.1					
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

Daikin Altherma R ECH$_2$O

Floor standing air to water heat pump
for **bivalent heating, cooling and hot water with thermal solar support**

› Bivalent system: combinable with a secondary heat source

EHSXB-B ERLQ011-016CW1

A++ A 55°C R-410A

Options

011-1W0096 → 104

	Type	Material name
Controls	Room thermostat RoCon U1	EHS157034
	Gateway RoCon G1 for apps	EHS157056
	Connection kit for MK1	VMK1
Back-up heater	Back-up heater 1kW	EKBU1C
	Back-up heater 3kW	EKBU3C
	Back-up heater 9kW	EKBU9C
Installation	Heat insulation for hydraulic separator (HWC)	WHWC
	Separator for dirt	SAS1
	Separator - hydraulic	HWC
Sensor	External sensor	EKRTETS
	Outdoor sensor for Rocon Controller	RoCon OT1
Others	Mixer module RoCon M1	EHS157068

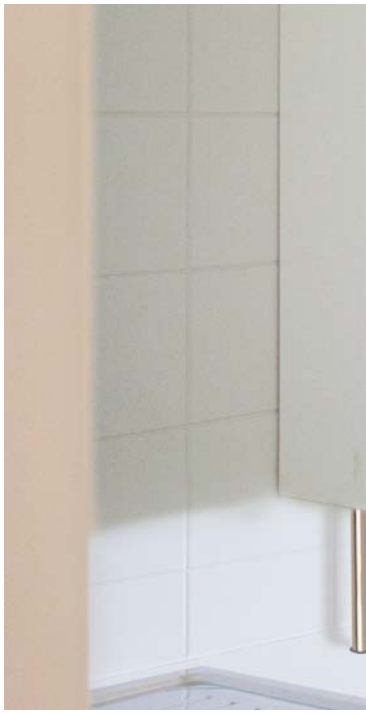
Efficiency data				EHSXB + ERLQ-C	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Cooling capacity	Nom.			kW	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8(1) / 13.1(2)	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8 / 13.1
Power input	Heating	Nom.		kW	2.57 / 3.13 / 2.43 / 2.35	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
	Cooling	Nom.		kW	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18(1) / 5.72(2)	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18 / 5.72
COP					4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
EER					3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72(1) / 2.29(2)	3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72 / 2.29
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	128	130	127	128	130	127
			Seasonal space heating eff. class		A++					
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	84					
		Water heating energy efficiency class			A					

Indoor Unit				EHSXB	16P50B	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x790x790					
Weight	Unit			kg	118					
Tank	Water volume			l	477					
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35					
		Water side	Min.~Max.	°C	15 ~55					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	-~-					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	40					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

R-410A

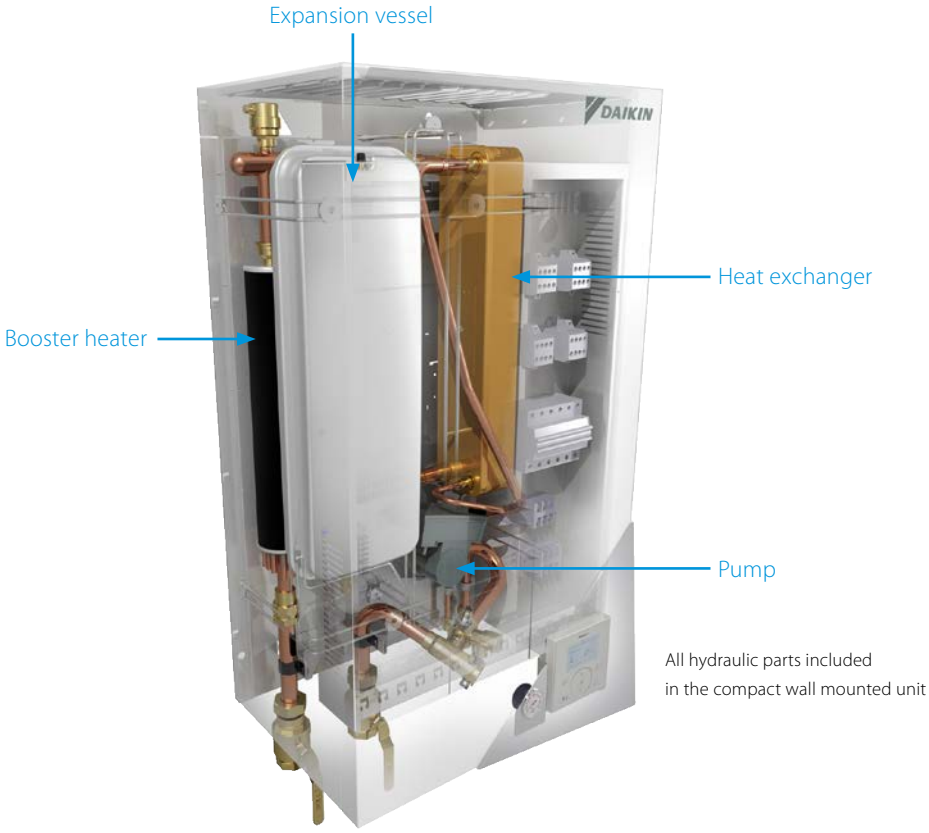


Daikin Altherma R W low temperature split wall mounted unit

The Daikin Altherma low temperature split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third-party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel, enameled or ECH$_2$O thermal store



All hydraulic parts included in the compact wall mounted unit

Stainless steel and enameled tanks

If the end user only requires hot water and installation height is limited, a separate tank can be connected (either stainless steel or enameled).

ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and pressurised hot water system.

Stainless steel tank

Wall mounted unit combined with ECH_2O thermal store

Daikin Altherma R W

Wall mounted **heating only** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

up to A++ | 55°C | R-410A

011-1W0068 → 78

Efficiency data				EHBH + ERLQ-C	11CB3V/B9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity	Nom.			kW	11.2 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.0 (1) / 15.2(2)	11.2 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.0 (1) / 15.2(2)
Power input	Heating	Nom.		kW	2.43 (1) / 3.10(2)	3.37 (1) / 4.10(2)	3.76 (1) / 4.66(2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10(2)	3.76 (1) / 4.66(2)
COP					4.60 (1) / 2.75(2) / 3.55 (3) / 2.10(4)	4.30 (1) / 2.65(2) / 3.32 (3) / 2.08(4)	4.25 (1) / 2.64(2) / 3.26 (3) / 2.09(4)	4.60 (1) / 2.75(2) / 3.55 (3) / 2.10(4)	4.30 (1) / 2.65(2) / 3.32 (3) / 2.08(4)	4.25 (1) / 2.64(2) / 3.26 (3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class		A++		A+	A++		A+

Indoor Unit				EHBH	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344					
Weight	Unit			kg	43.0	44.0 45.0	44.0 45.0	43.0	44.0 45.0	44.0 45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~80					
Sound power level	Nom.			dBA	41.0	44.0		41.0	44.0	
Sound pressure level	Nom.			dBA	27.0	30.0		27.0	30.0	

Outdoor Unit				ERLQ-C	011CV3	011CV3	014CV3	014CV3	016CV3	016CV3	011CW1	011CW1	014CW1	014CW1	016CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320											
Weight	Unit			kg	113						114					
Compressor	Quantity				1											
	Type				Hermetically sealed scroll compressor											
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0											
	Domestic hot water		Min.~Max.	°CDB	-20 ~35											
Refrigerant	Type				R-410A											
	GWP				2,087.5											
	Charge			kg	3.4											
	Charge			TCO_2Eq	7.1											
	GWP				2,087.5											
Sound power level	Heating		Nom.	dBA	64		66		64			66				
	Cooling		Nom.	dBA	64	66	69		64	66		69				
Sound pressure level	Heating		Nom.	dBA	51		52		51			52				
	Cooling		Nom.	dBA	50	52	54		50	52		54				
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230				W1/3N~/50/400							
Current	Recommended fuses			A	40				20							

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R W

Wall mounted **heating only** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHBH-CB

ERHQ011-016BW1

up to A+ | 55°C | R-410A

Efficiency data				EHBH + ERHQ-B	11CB3V + 011BV3	11CB9W + 011BV3	16CB3V + 014BV3	16CB9W + 014BV3	16CB3V + 016BV3	16CB9W + 016BV3	11CB3V + 011BW1	11CB9W + 011BW1	16CB3V + 014BW17	16CB9W + 014BW17	16CB3V + 016BW1	16CB9W + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)		14.0 (1) / 13.1(2)		16.0 (1) / 15.2(2)		11.3 (1) / 11.0(2)		14.5 (1) / 13.6(2)		16.1 (1) / 15.1(2)	
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)		3.26 (1) / 4.04(2)		3.92 (1) / 4.75(2)		2.63 (1) / 3.24(2)		3.42 (1) / 4.21(2)		3.82 (1) / 4.69(2)	
COP					4.39 (1) / 3.25(2)		4.29 (1) / 3.24(2)		4.08 (1) / 3.20(2)		4.30 (1) / 3.39(2)		4.24 (1) / 3.22(2)		4.20 (1) / 3.22(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			

Indoor Unit				EHBH	11CB3V	11CB9W	16CB3V	16CB9W	16CB3V	16CB9W	11CB3V	11CB9W	16CB3V	16CB9W	16CB3V	16CB9W
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344											
Weight	Unit			kg	43.0	44.0		45.0	44.0	45.0	43.0	44.0		45.0	44.0	45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~80											
Sound power level	Nom.			dBA	41.0		44.0				41.0		44.0			
Sound pressure level	Nom.			dBA	27.0		30.0				27.0		30.0			

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO_2Eq	5.6			6.3		
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma R W

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- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHBH-CB

ERHQ011-016BW1

-25°

011-1W0068 → 78

up to A++

55°C

R-410A

Efficiency data				EHBX + ERLQ-C	11CB3V / 11CB9W + 011CV3	16CB3V / 16CB9W + 014CV3	16CB3V / 16CB9W + 016CV3	11CB3V / 11CB9W + 011CW1	16CB3V / 16CB9W + 014CW1	16CB3V / 16CB9W + 016CW1
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Cooling capacity	Nom.			kW	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
	Cooling	Nom.		kW	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)
COP					4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
EER					3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class		A++		A+	A++		A+

Indoor Unit				EHBX	11CB3V/9W		16CB3V/9W		16CB3V/9W		11CB3V/9W		16CB3V/9W		16CB3V/9W	
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344											
Weight	Unit			kg	43.0	45.0	44.0	46.0	44.0	46.0	43.0	45.0	43.0	45.0	43.0	45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Cooling	Water side	Min.~Max.	°C	5.00 ~22.0											
	Domestic hot water	Water side	Min.~Max.	°C	5.00 ~22.0											
Sound power level	Nom.			dBA	41.0		44.0		44.0		41.0		41.0		41.0	
Sound pressure level	Nom.			dBA	27.0		30.0		30.0		27.0		27.0		27.0	

Outdoor Unit				ERLQ-C	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R W

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- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

EHBH-CB

ERHQ011-016BW1

up to A+ 55°C R-410A

Efficiency data				EHBX + ERHQ-B	11CB9W + 011BV3	11CB3V + 011BV3	16CB3V + 014BV3	16CB9W + 014BV3	16CB9W + 016BV3	16CB3V + 016BV3	11CB9W + 011BW1	11CB3V + 011BW1	16CB9W + 014BW17	16CB3V + 014BW17	16CB3V + 016BW1	16CB9W + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)		14.0(1) / 13.1(2)		16.0(1) / 15.2(2)		11.3(1) / 11.0(2)		14.5(1) / 13.6(2)		16.1(1) / 15.1(2)	
Cooling capacity	Nom.			kW	13.9(1) / 10.0(2)		17.3(1) / 12.5(2)		17.8(1) / 13.1(2)		15.1(1) / 11.7(2)		16.1(1) / 12.6(2)		16.8(1) / 13.1(2)	
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)		3.26(1) / 4.04(2)		3.92(1) / 4.75(2)		2.63(1) / 3.24(2)		3.42(1) / 4.21(2)		3.82(1) / 4.69(2)	
	Cooling	Nom.		kW	3.86(1) / 3.69(2)		5.86(1) / 5.69(2)		6.87(1) / 5.95(2)		4.53(1) / 4.31(2)		5.43(1) / 5.08(2)		6.16(1) / 5.73(2)	
COP					4.39(1) / 3.25(2)		4.29(1) / 3.24(2)		4.08(1) / 3.20(2)		4.30(1) / 3.39(2)		4.24(1) / 3.22(2)		4.20(1) / 3.22(2)	
EER					3.60(1) / 2.71(2)		2.95(1) / 2.32(2)		2.59(1) / 2.20(2)		3.32(1) / 2.72(2)		2.96(1) / 2.47(2)		2.72(1) / 2.29(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			

Indoor Unit				EHBX	11CB9W	11CB3V	16CB3V	16CB9W	16CB3V	11CB9W	11CB3V	16CB9W	16CB3V	16CB9W
Casing	Colour				White									
	Material				Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344									
Weight	Unit			kg	45.0	43.0	44.0	46.0	44.0	45.0	43.0	46.0	44.0	46.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0									
	Cooling	Water side	Min.~Max.	°C	5.00 ~22.0									
	Domestic hot water	Water side	Min.~Max.	°C	25~80									
Sound power level	Nom.			dBA	41.0		44.0			41.0		44.0		
Sound pressure level	Nom.			dBA	27.0		30.0			27.0		30.0		

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO_2Eq	5.6			6.3		
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma R W

Wall mounted **heating only** air to water heat pump without back-up heater

- Energy efficient heating only system without back-up heater
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- Best seasonal efficiencies, providing the highest savings on running costs
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- Possible to combine with domestic hot water
- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

011-1W0068 →78

Efficiency data				EHBH + ERLQ-C	11CBV + 011CV3	16CBV + 014CV3	16CBV + 016CV3	11CBV + 011CW1	16CBV + 014CW1	16CBV + 016CW1
Heating capacity	Nom.			kW	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43 (1) / 3.10 (2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	120	123	119	120	123	119
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	156	153	149	156	153	149
			Seasonal space heating eff. class		A++		A+	A++		A+

Indoor Unit				EHBH	11CBV	16CBV	16CBV	11CBV	16CBV	16CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344					
Weight	Unit			kg	41.0	42.0		41.0	42.0	
Operation range	Heating	Water side	Min.~Max.	°C	10 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~80					
Sound power level	Nom.			dBA	41.0	44.0		41.0	44.0	
Sound pressure level	Nom.			dBA	27.0	30.0		27.0	30.0	

Outdoor Unit				ERLQ-C/ERLQ	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	113			114		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	3.4					
	Charge			TCO_2Eq	7.1					
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	51		52	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma R W

Wall mounted **heating only** air to water heat pump without back-up heater

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- Daikin Residential controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

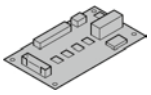
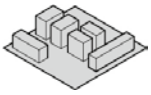
up to A+ 55°C R-410A

Efficiency data				EHBH + ERHQ-B	11CBV + 011BV3	16CBV + 014BV3	16CBV + 016BV3	11CBV + 011BW1	16CBV + 014BW17	16CBV + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	

Indoor Unit				EHBH	11CBV	16CBV	16CBV	11CBV	16CBV	16CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344					
Weight	Unit			kg	41.0	42.0		41.0	42.0	
Operation range	Heating	Water side	Min.~Max.	°C	10 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~80					
Sound power level	Nom.			dBA	41.0	44.0		41.0	44.0	
Sound pressure level	Nom.			dBA	27.0	30.0		27.0	30.0	

Outdoor Unit				ERHQ/ERHQ	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0	2.95	3.0
	Charge			TCO_2Eq	5.6			6.3		
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64	60	66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51	50	52
	Cooling		Nom.	dBA	50	52	54	50	50	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

		Type	Material name	Daikin Altherma R W 11-16kW
Controls		LAN adapter	BRP069A62	•
		LAN adapter + PV solar connection	BRP069A61	•
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1	•
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3	•
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2	•
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4	•
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5	•
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6	•
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7	•
		Simplified user interface	EKRUCBSB	•
		Room thermostat (wired)	EKRTWA	•
		Room thermostat (wireless)	EKRTR1	•
		Centralised controller kit	EKCC-W	•
Adapter		Demand PCB	EKRP1AHTA	•
		Digital I/O PCB	EKRP1HBAA	•
Back-up heater		Back-up heater kit	EKLBUHCB6W1	•
		Booster heater for tank integrated design	EKBSHCA3V3	•
		Bottom plate heater	EKBPHTH16A	•
Drain		Drain kit	EKDK04	•
		Drain pan for indoor wall munted	EKHBDPCA2	•
Filter		Magnetic filter without additives	K.FERNOXTF1	•
		Magnetic filter with additive (500ml inhibitor fluid F1)	K.FERNOXTF1FL	•
Installation		Bi-Zone kit	BZKA7V3	•
		Snowcover	EK016SNCA	•
		UK tank kit	EKVSU260A	•
Sensor		Remote indoor sensor	KRCS01-1B	•
		External sensor	EKRTETS	•
Others		PC cable	EKPCCAB4	•

Daikin Altherma M

The reversible air-to-water heat pump monobloc system is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water

A simple solution

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit

› Quiet and space-saving design that's easy to commission and install
› All hydraulic components are combined into one outdoor unit
› Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
› Combine with an ECH$_2$O thermal store to provide thermal support
› Combine with a stainless steel tank for domestic hot water

High performance

› Improved seasonal efficiency ErP label up to A++
› High capacity at low ambient temperatures
› Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B

Easy installation

› Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
› Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
› Fewer components lower the installation time and help maximise profits on the job

Year-round reliability

› Delivers higher heating capacity at low ambient temperatures
› Flow temperatures up to 55°C, perfect for new build applications using UFH
› Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
› Equipped with optional backup heater

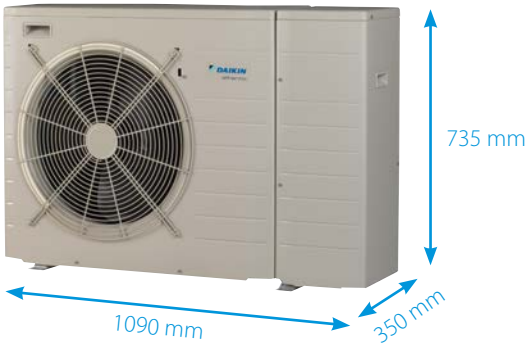
Easy connection

› The LAN adapter allows to control the unit via the heating app

Daikin Altherma M, 5-7 kW

A++ 55°C

› Back-up heater less models
› Separate indoor wiring centre (control box)
› Separate back-up heater kit



Daikin Altherma M, 11-16 kW

A++ 55°C

› Smaller casing
› Back-up heater less models and models with 3V integrated back-up heater for maximum installation flexibility
› 1 ph and 3 ph models
› Reversible and heating only models
› LAN Adapter connection
› A++ heating energy label (from G to A++)

*-36% compared to current monobloc

Daikin Altherma M

Reversible air to water monobloc system, ideal when indoor space is limited

› Compact reversible monobloc for space heating & cooling with optional domestic hot water
› Compact heating only monobloc for space heating with optional domestic hot water
› Fuss-free installation : only water connections required
› Reliable operation even when -25°C outside thanks to frost protection features such as free hanging coil
› COP up to 5

E(D/B)LQ-CV3

011-1W0079
011-1W0080

A++ 55°C R-410A

Single Unit				EBLQ/EDLQ	05CV3	07CV3	05CV3	07CV3
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	125			
			SCOP		3.20	3.22	3.20	3.22
			Seasonal space heating eff. class		A++			
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	172	163	172	163
			SCOP		4.39	4.14	4.39	4.14
			Seasonal space heating eff. class		A++			
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)
Cooling capacity	Nom.			kW	3.88(1) / 3.99(2)	5.20(1) / 5.15(2)	-	
Power input	Cooling	Nom.		kW	0.950(1) / 1.93(2)	1.37(1) / 2.69(2)	-	
	Heating	Nom.		kW	0.880(1) / 1.13(2)	1.55(1) / 2.45(2)	0.880(1) / 1.13(2)	1.55(1) / 2.02(2)
COP					5.00(1) / 3.58(2)	4.52(1) / 3.42(2)	5.00(1) / 3.58(2)	4.52(1) / 3.42(2)
EER					4.07(1) / 2.07(2)	3.80(1) / 2.10(2)	-	
Dimensions	Unit	HeightxWidthxDepth		mm	735x1,090x350			
Weight	Unit			kg	76.0	80.0	76.0	80.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0			
	Cooling	Ambient	Min.~Max.	°CDB	10.0~43.0		-~-	
		Water side	Min.~Max.	°C	5.00 ~22.0		-~-	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25.0 ~35.0			
		Water side	Min.~Max.	°C	25~80		25~80	
Refrigerant	Type				R-410A			
	GWP				2,088			
	Charge			kg	1.30	1.45	1.30	1.45
	Charge			TCO_2Eq	2.714	3.027	2.714	3.027
	Control				Expansion valve (electronic type)			
Sound power level	Heating	Nom.		dBA	61	62	61	62
	Cooling	Nom.		dBA	63.0		-	
Sound pressure level	Heating	Nom.		dBA	48	49	48	49
	Cooling	Nom.		dBA	48	50	-	

Wiring centre				EKCB07CV3	EK2CB07CV3
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	360x340x97.0	
Weight	Unit		kg	4.00	

Back-up heater kit				EKMBUHC3V3	EKMBUHC9W1
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	560x250x210	
Weight	Unit		kg	11.0	13.0

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

DAIKIN altherma

Daikin Altherma M

Reversible air to water monobloc system, ideal when indoor space is limited

- Monobloc all-in-one concept including hydraulic parts
- Separate indoor wiring center (control box)
- LAN Adapter connection
- Possible to combine with domestic hot water
- Energy efficient heating only system based on air-to-water heat pump technology
- A++ heating energy label (from G to A++)

E(D-B)LQ011-016CV3

011-1W0259 → 261

A++ | 55°C | R-410A

Single Unit				EBLQ/EDLQ	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Space heating	Average climate water outlet 55°C	General		ηs (Seasonal space heating efficiency)	128/120	130/123	125/119	128/120	130/123	125/119
				SCOP	3.28/3.09	3.32/3.16	3.20/3.06	3.28/3.09	3.32/3.16	3.20/3.06
				Seasonal space heating eff. class	A++/A+		A+	A++/A+		A+
	Average climate water outlet 35°C	General		ηs (Seasonal space heating efficiency)	168/156	162/153	157/149	168/156	162/153	157/149
				SCOP	4.28/3.98	4.12/3.90	3.99/3.80	4.28/3.98	4.12/3.90	3.99/3.80
				Seasonal space heating eff. class	A++		A++/A+	A++		A++/A+
Heating capacity	Nom.			kW	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)
Cooling capacity (only applicable to EBLQ)	Nom.			kW	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)
Power input	Cooling	Nom.		kW	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)
	Heating	Nom.		kW	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP					4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)	4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)
EER (only applicable to EBLQ)					3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)	3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)
SEER (only applicable to EBLQ)					3.85	3.89	3.90	3.85	3.89	3.90
Dimensions	Unit	HeightxWidthxDepth		mm	1,348x1,160x380					
Weight	Unit			kg	151			154		
Operation range (3)	Heating	Ambient	Min.~Max.	°CWB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46					
		Water side	Min.~Max.	°C	5~22					
Operation range (3)	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type				R-410A					
	GWP				2087.5					
	Charge			kg	3.40					
	Charge			TCO_2Eq	7.10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54

Wiring centre					EKCB07CV3	EK2CB07CV3
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97.0	
Weight	Unit			kg	4.00	

Back-up heater kit					EKMBUHC3V3	EKMBUHC9W1
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	560x250x210	
Weight	Unit			kg	11.0	13.0

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Including back-up heater and/or booster heater, see details in databook.

Daikin Altherma M

Reversible air to water monobloc system, ideal when indoor space is limited

- Monobloc all-in-one concept including hydraulic parts
- Separate indoor wiring center (control box)
- LAN Adapter connection
- Possible to combine with domestic hot water
- Energy efficient heating only system based on air-to-water heat pump technology
- A++ heating energy label (from G to A++)

E(D-B)LQ011-016CV3

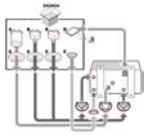
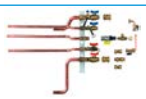
011-1W0259 → 261

A++ 55°C R-410A

Single Unit				EBLQ/EDLQ	011C3V3	014C3V3	016C3V3	011C3W1	014C3W1	016C3W1
Space heating	Average climate water outlet 55°C	General		ηs (Seasonal space heating efficiency)	128/120	130/123	125/119	128/120	130/123	125/119
				SCOP	3.28/3.09	3.32/3.16	3.20/3.06	3.28/3.09	3.32/3.16	3.20/3.06
				Seasonal space heating eff. class	A++/A+		A+	A++/A+		A+
	Average climate water outlet 35°C	General		ηs (Seasonal space heating efficiency)	168/156	162/153	157/149	168/156	162/153	157/149
				SCOP	4.28/3.98	4.12/3.90	3.99/3.80	4.28/3.98	4.12/3.90	3.99/3.80
				Seasonal space heating eff. class	A++		A++/A+	A++		A++/A+
Heating capacity	Nom.			kW	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)
Cooling capacity (only applicable to EBLQ)	Nom.			kW	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)
Power input	Cooling	Nom.		kW	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)
	Heating	Nom.		kW	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP					4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)	4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)
EER (only applicable to EBLQ)					3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)	3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)
SEER (only applicable to EBLQ)					3.85	3.89	3.90	3.85	3.89	3.90
Dimensions	Unit	HeightxWidthxDepth		mm	1,348x1,160x380					
Weight	Unit			kg	157			160		
Operation range (3)	Heating	Ambient	Min.~Max.	°CWB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46					
		Water side	Min.~Max.	°C	5~22					
Operation range (3)	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type				R-410A					
	GWP				2087.5					
	Charge			kg	3.40					
	Charge			TCO_2Eq	7.10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54

Wiring centre					EKCB07CV3	EK2CB07CV3
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97.0	
Weight	Unit			kg	4.00	

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Including back-up heater and/or booster heater, see details in databook.

	Illustration	Type	Material name	Daikin Altherma M		
				5-7 kW	11-16 kW BUH-less	11-16 kW with 3V BUH
Controls		LAN adapter	BRP069A62	•	•	•
		LAN adapter + PV solar connection	BRP069A61	•	•	•
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1	•	•	•
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3	•	•	•
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2	•	•	•
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4	•	•	•
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5	•	•	•
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6	•	•	•
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7	•	•	•
		Simplified user interface	EKRUCBSB	•		
		Room thermostat (wired)	EKRTWA	•	•	•
		Room thermostat (wireless)	EKRTR1	•	•	•
		DCOM gateway	DCOM-LT/IO			
		DCOM gateway	DCOM-LT/MB			
Adapter		Digital I/O PCB	EKRP1HBAA		•	
Back-up heater		Back-up heater monobloc	EKMBUHC3V3/C9W1	•	•	
		Bottom plate heater	EKBPHTH16A		•	
Drain		Drain kit	EKDK04		•	
Sensor		Remote sensor for OU	EKRSCA1	•	•	•
		External sensor	EKRTETS	•	•	•
		Remote sensor for IU	KRCS01-1	•	•	•
Wiring centre		Control box	EKCB07CAV3	•	•	•
		Option box	EK2CB07CAV3	•	•	•
By pass		Valve kit	EKMBHBP1	•	•	•
Bi-Zone		Bi-Zone kit	BZKA7V3	•	•	•
Others		Cable	EKPCCAB4	•		

Daikin Altherma 3 H HT

Meeting modern society's expectations

Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H HT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products such as the Daikin Altherma 3 H HT. The Daikin Altherma 3 H HT is the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grill makes the unit fit into any environment.

All these dedicated components were specially developed in-house to make the Daikin Altherma 3 H HT unique.

Superior performance, renewable energy use, design and acoustic comfort.
This is what the Quintessence of heat pump is all about.

BLUEVOLUTION

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions.

Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

R-32

Design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grill stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.

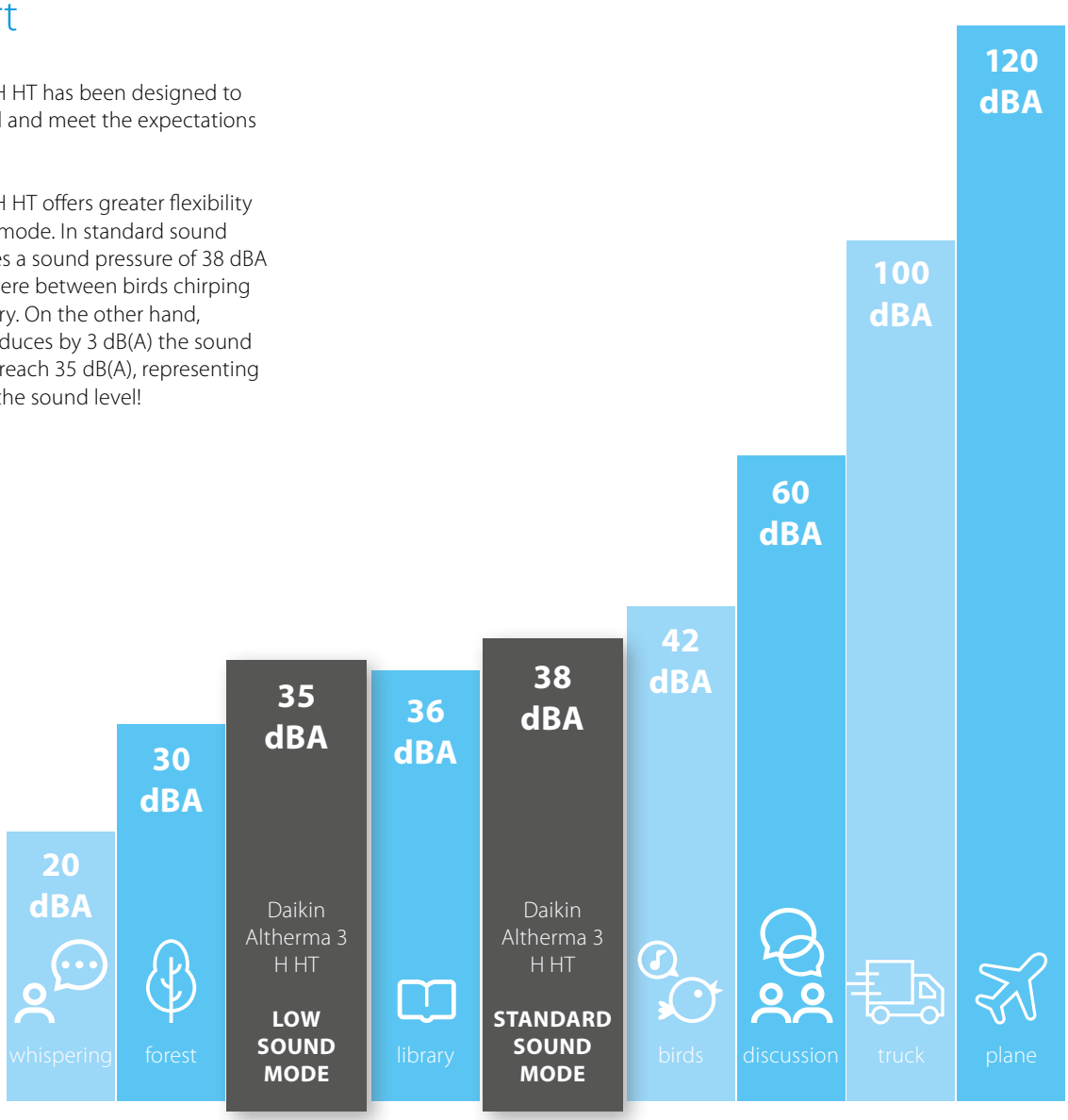
DESIGN AWARD 2019

reddot design award
winner 2019

Silence rhymes with comfort

The Daikin Altherma 3 H HT has been designed to reduce its acoustic level and meet the expectations of today's society.

The Daikin Altherma 3 H HT offers greater flexibility by having a low sound mode. In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library. On the other hand, the low sound mode reduces by 3 dB(A) the sound pressure at 3 meters to reach 35 dB(A), representing a real reduction of half the sound level!



Innovation
At the heart of our concerns

The Daikin Altherma 3 H HT is at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

A redesigned casing

The black front grill made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.

DESIGN AWARD 2019

reddot design award
winner 2019

A single fan for high capacities

The single fan is slighlty larger, replacing the usual double fan for high capacity units (14-16-18 kW).

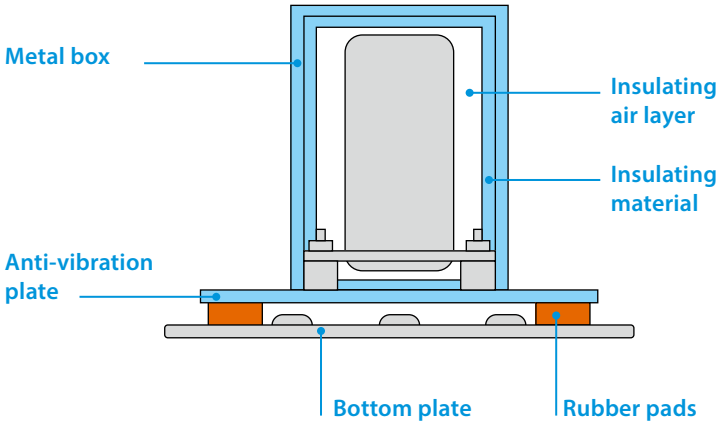
The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the Daikin Altherma 3 H HT benefits from a double sound reduction by using a rubber pads between the bottom plate and the vibration plate under the compressor.



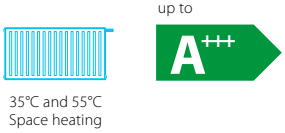
New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. The Daikin Altherma 3 H HT compressor is able to deliver a high leaving water temperature of 70°C on its own.

Moreover, Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO_2 emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO_2 emission targets.

Unrivalled capacities

With these new developments, the Daikin Altherma 3 H HT reached the best performances illustrated in the energy labels:



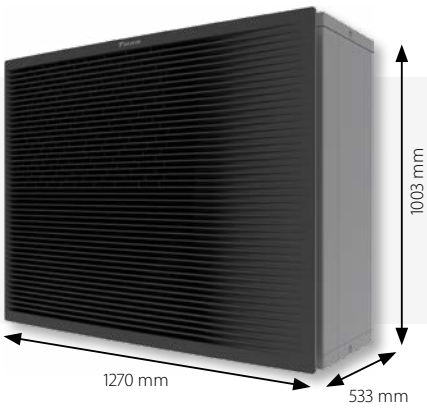
35°C and 55°C
Space heating

One solution, multiple combinations

The Daikin Altherma 3 H HT range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

Outdoor unit

The outdoor unit is available is 3 classes 14-16-18 kW.



Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595x625mm. The unit is equipped with a tank of 180 or 230L to answer your domestic hot water demand.

Integrated ECH$_2$O DHW tank model

The ECH$_2$O unit is equipped with a thermal DHW tank of 300 or 500L that can be connected to thermal solar panels.

Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water.

Get the best comfort

with the best functionalities

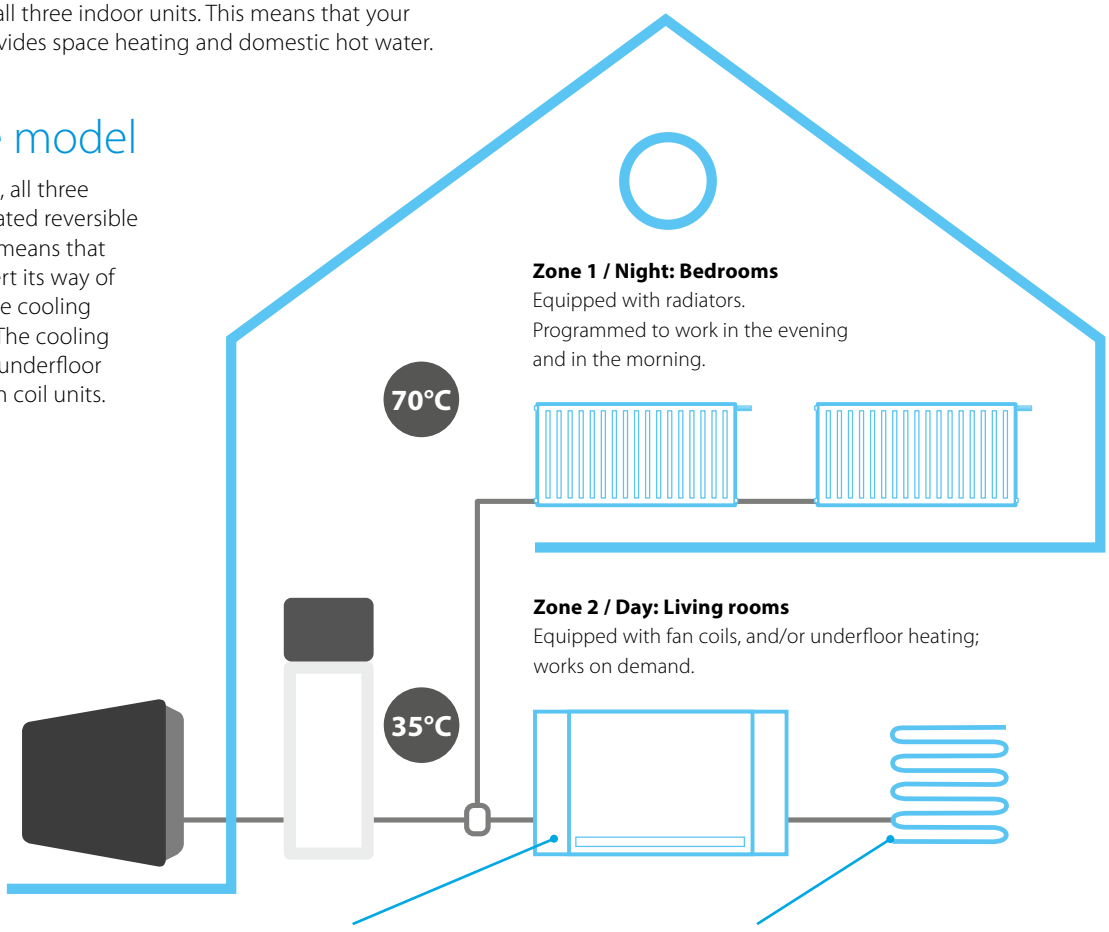
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.

Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



Zone 1 / Night: Bedrooms
Equipped with radiators.
Programmed to work in the evening and in the morning.

Zone 2 / Day: Living rooms
Equipped with fan coils, and/or underfloor heating; works on demand.

Daikin Altherma HPC (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive mid-temperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.

Bizone model

The integrated floor standing model also has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

Daikin Altherma 3 H HT F

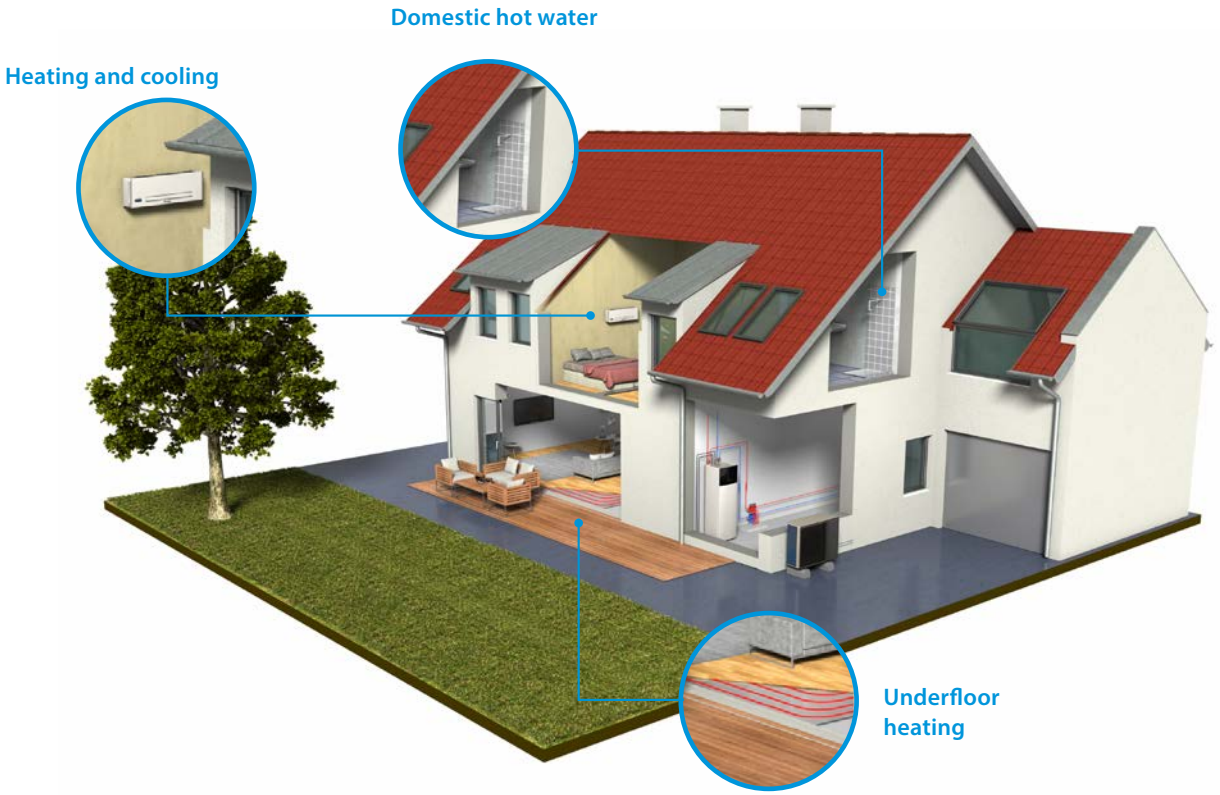
Floor standing unit with integrated tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 600 x 600 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



All-in one design

Reduces the installation footprint and height

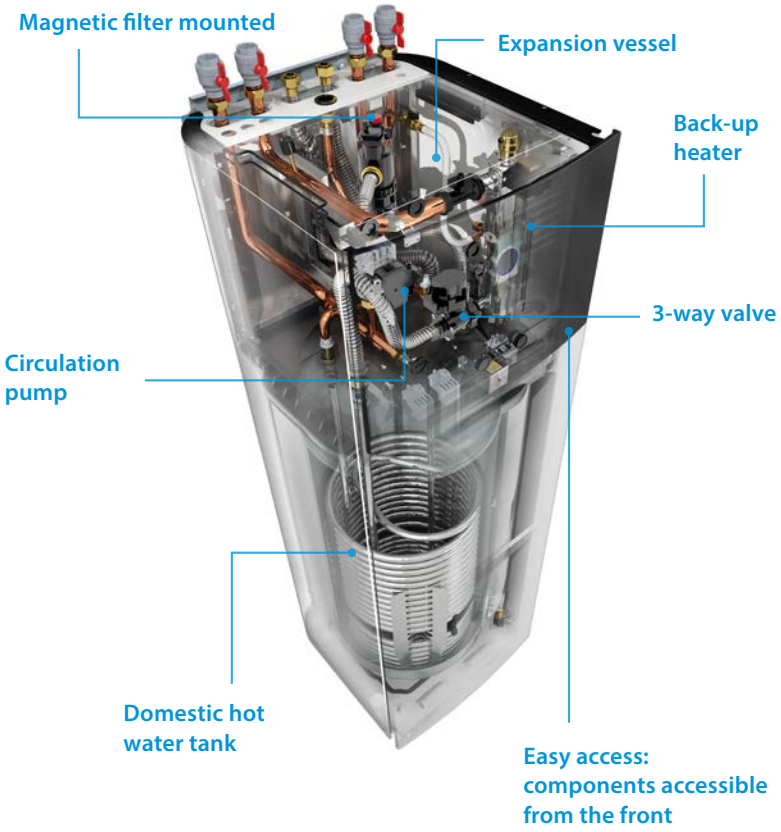
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 600 x 600 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new MMI in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

Work super-fast with the new MMI. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The MMI was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit

Daikin Altherma 3 H HT F

Floor standing air to water heat pump for **heating and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28°C

up to A+++ A+ 70°C R-32

Efficiency data				ETVH + EPRA	16S18D6V(G)/ D9W(G) + 14DV/W	16S23D6V(G)/ D9W(G) + 14DV/W	16S18D6V(G)/ D9W(G) + 16DV/W	16S23D6V(G)/ D9W(G) + 16DV/W	16S18D6V(G)/ D9W(G) + 18DV/W	16S23D6V(G)/ D9W(G) + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-	-

Indoor Unit				ETVH	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Water side	Max.	°C	63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT F

Floor standing air to water heat pump for **heating, cooling and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater of 6, 9 kW
- Heat pump operation down to -28°C

up to A+++ A+ 70°C R-32

Efficiency data				ETVX + EPRA	16S18D6V(G)/ D9W(G) + 14DV/W	16S23D6V(G)/ D9W(G) + 14DV/W	16S18D6V(G)/ D9W(G) + 16DV/W	16S23D6V(G)/ D9W(G) + 16DV/W	16S18D6V(G)/ D9W(G) + 18DV/W	16S23D6V(G)/ D9W(G) + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-	-

Indoor Unit				ETVX	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)	16S18D6V(G)/ D9W(G)	16S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	109	118	109	118	109	118
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~ 70					
	Cooling	Water side	Min.~Max.	°C	5 ~ 50					
	Domestic hot water	Water side	Max.	°C	63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
Operation range	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT F

Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater of 6 or 9 kW
- Heat pump operation down to -28°C

up to A+++ A+ 70°C R-32

Efficiency data				ETVZ + EPRA	16S18D6V/D9W + 14DV/W	16S23D6V/D9W + 14DV/W	16S18D6V/D9W + 16DV/W	16S23D6V/D9W + 16DV/W	16S18D6V/D9W + 18DV/W	16S23D6V/D9W + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-	-

Indoor Unit				ETVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	120	128	120	128	120	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Water side	Max.	°C	63					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT ECH_2O Floor standing unit with integrated ECH_2O tank

The Daikin Altherma high temperature split integrated ECH_2O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH_2O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

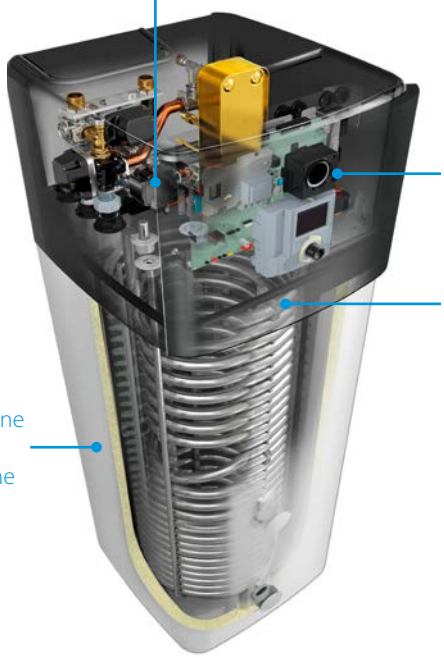
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH_2O



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH$_2$O thermal store range: additional hot water comfort

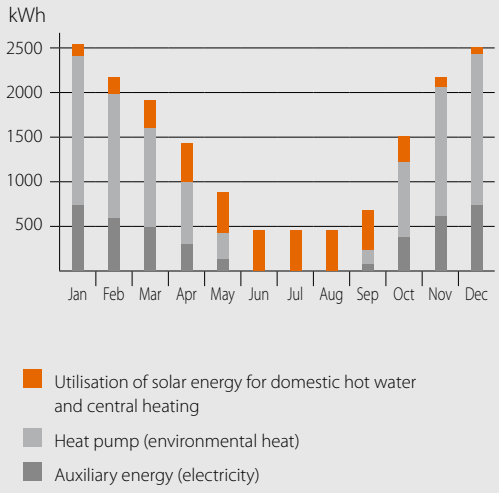
Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Pressureless (drain-back) solar system (ETSH-D, ETSX-D)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

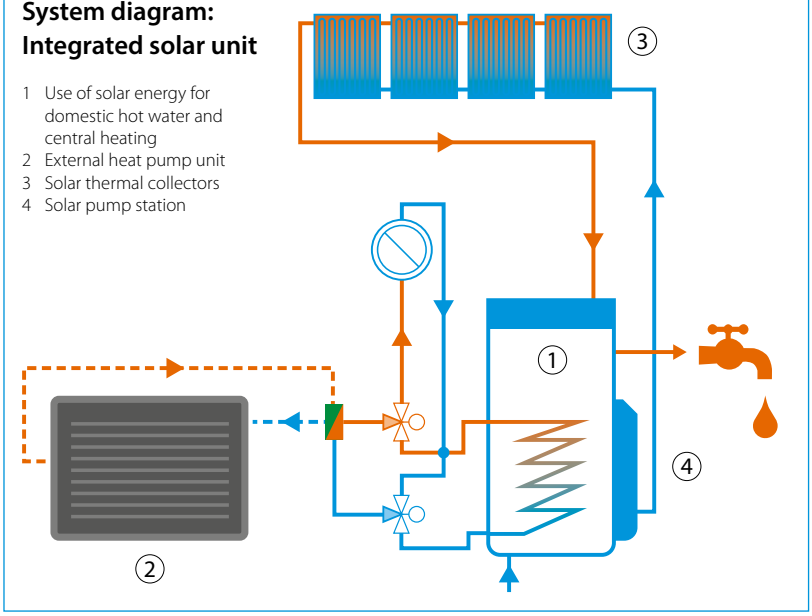
Pressurised solar system (ETSHB-D, EHSXB-D)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Heat pump operation down to -28°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

up to A+++ A 70°C R-32

Efficiency data				ETSH + EPRA	16P30D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-

Indoor Unit				ETSH	16P30D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615		1896x785x785	1891x590x615	1896x785x785
Weight	Unit			kg	77		94	77	94
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35				
		Water side	Min.~Max.	°C	15 ~ 70				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28 ~ 35				
		Water side	Min.~Max.	°C	10 ~ 63				
Sound power level	Nom.			dBA	45.6				
Sound pressure level	Nom.			dBA	32.8				

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO$_2$Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.					56,0	59,0
Sound pressure level	Nom.					43,0	48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- Heat pump operation down to -28°C

EPRA14-18DV3/W1 ETHSB-D

up to A+++ A 70°C R-32

Efficiency data				ETSHB-D + EPRA	18P30D + 14DV/W	18P30D + 16DV/W	18P50D + 16DV/W	18P30D + 18DV/W	18P50D + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
	Average climate water outlet35°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-

Indoor Unit				ETSHB	16P30D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615		1896x785x790	1891x590x615	1896x785x785
Weight	Unit			kg	79		100	79	100
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35				
		Water side	Min.~Max.	°C	15 ~ 70				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28 ~ 35				
		Water side	Min.~Max.	°C	10 ~ 73				
Sound power level	Nom.			dBA	45.6				
Sound pressure level	Nom.			dBA	32.8				

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth		mm	1003x1270x533		
Weight	Unit			kg	146 / 151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.		°CDB	-28 ~ 35		
	Domestic hot water	Min.~Max.		°CDB	-28 ~ 35		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg	4.20		
	Charge			TCO$_2$Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.					56,0	59,0
Sound pressure level	Nom.					43,0	48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -28°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump

up to A+++ A 70°C R-32

Efficiency data				ETSX + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-	-

Indoor Unit				ETSX	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785
Weight	Unit			kg	77	94	77	94	77	94
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-28~35					
		Water side	Min.~Max.	°C	15~70					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35					
		Water side	Min.~Max.	°C	10~63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV3/W1	16DV3/DW1	18DV3/DW1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 43		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	4.20		
	Charge			TCO$_2$Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

DAIKIN altherma

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Daikin Altherma 3 H HT ECH$_2$O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation

up to A+++ A 70°C R-32

Efficiency data				ETSXB-D + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-	-
Domestic hot water heating	General	Declared load profile			-	-	-	-	-	-
	Average climate	COPdhw			-	-	-	-	-	-
		ηwh (water heating efficiency)		%	-	-	-	-	-	-
		Water heating energy efficiency class			-	-	-	-	-	-

Indoor Unit				ETSXB-D	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1891x590x615	1896x785x785	1891x590x615	1896x785x785	1891x590x615	1896x785x785
Weight	Unit			kg	79	100	79	100	79	100
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35					
		Water side	Min.~Max.	°C	15~70					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-28~35					
		Water side	Min.~Max.	°C	10~63					
Sound power level	Nom.			dBA	45.6					
Sound pressure level	Nom.			dBA	32.8					

Outdoor Unit				EPRA	14DV3/DW1	16DV3/W1	018DV3/W1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	4.20		
	Charge			TCO$_2$Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

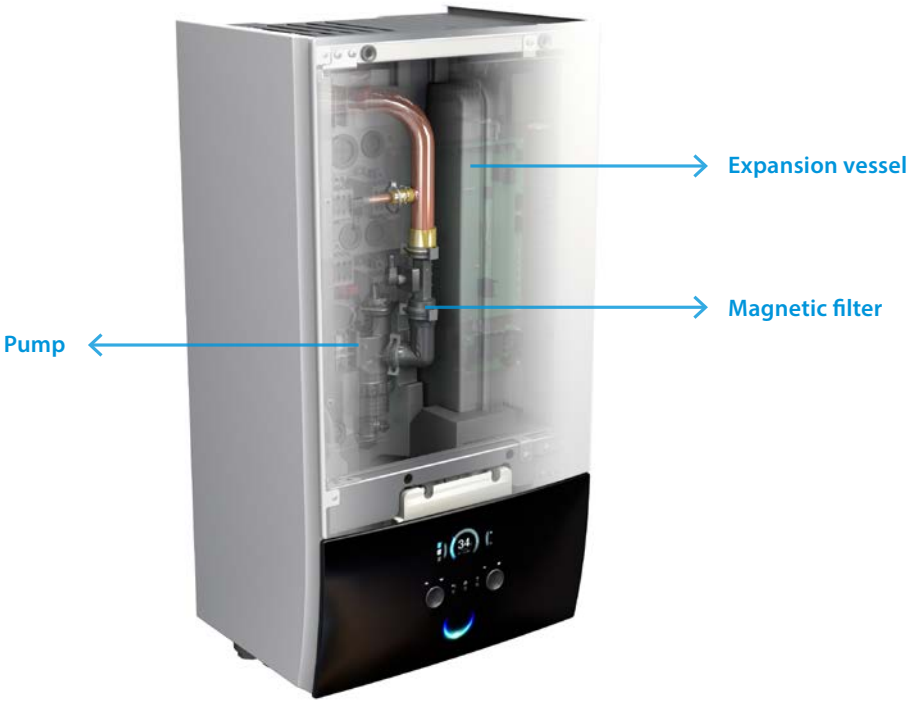
Daikin Altherma 3 H HT W Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

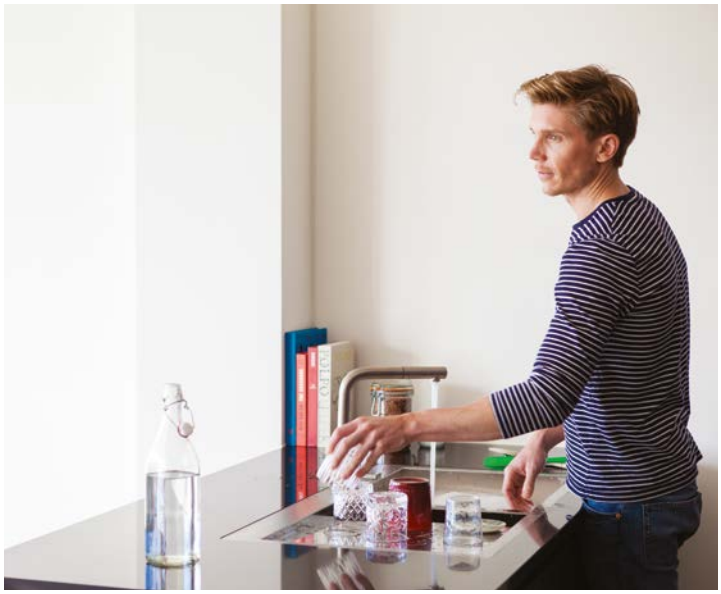
High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel or ECH$_2$O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.



ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: with high tapping performance
- Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

Flexibility in providing space heating

Daikin Altherma 3 H HT W is the prefect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.

Daikin Altherma 3 H HT W

Wall mounted **heating only** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28°C

up to A+++ 70°C R-32

Efficiency data				ETBH + EPRA	16D6V + 014DV/DW	16D6V + 016DV/W	16D9W + 016DV/W	16D6V + 018DV/DW	16D9W + 018DV/DW
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-

Indoor Unit				ETBH	16D6V	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black				
	Material				Sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390				
Weight	Unit			kg	42				
Operation range	Heating	Water side	Min.~Max.	°C	18 ~ 70				
	Domestic hot water	Water side	Min.~Max.	°C	25 ~ 80				
Sound power level	Nom.			dBA	44				
Sound pressure level	Nom.			dBA	30				

Outdoor Unit				EPRA	014DV3/DW1	016DV3/W1	018DV3/DW1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	4.20		
	Charge			TCO_2Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.					56,0	59,0
Sound pressure level	Nom.					43,0	48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Daikin Altherma 3 H HT W

Wall mounted **reversible** air-to-water heat pump

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel tank or ECH$_2$O thermal store
- Heat pump operation down to -28°C

up to A+++ | 70°C | R-32

Efficiency data				ETBH + EPRA	16D6V + 014DV/W	16D6V + 016DV/W	16D9W + 016DV/W	16D6V + 018DV/W	16D9W + 018DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-
	Average climate water outlet 35°C	General	SCOP		-	-	-	-	-
			ηs (Seasonal space heating efficiency)	%	-	-	-	-	-
			Seasonal space heating eff. class		-	-	-	-	-

Indoor Unit				ETBX	16D6V	16D6V	16D9W	16D6V	16D9W
Casing	Colour				White + Black				
	Material				Sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390				
Weight	Unit			kg	42				
Operation range	Heating	Water side	Min.~Max.	°C	18 ~ 70				
	Cooling	Water side	Min.~Max.	°C	5 ~ 50				
	Domestic hot water	Water side	Min.~Max.	°C	25 ~ 80				
Sound power level	Nom.			dBA	44				
Sound pressure level	Nom.			dBA	30				

Outdoor Unit				EPRA	014DV3/DW1	016DV3/W1	018DV3/DW1
Dimensions	Unit		HeightxWidthxDepth	mm	1003x1270x533		
Weight	Unit			kg	146/151		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10 ~ 43		
	Heating		Min.~Max.	°CDB	-28 ~ 35		
	Domestic hot water		Min.~Max.	°CDB	-25 ~ 35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	4,20		
	Charge			TCO$_2$Eq	2,84		
	Control				Expansion valve		
Sound power level	Nom.				56,0		59,0
Sound pressure level	Nom.				43,0		48,0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses			A	32/16		

This page contains preliminary data.

Combination table and options

Type	Description	Material name	Wall mounted	
			H/O (White)	Reversible (White)
			ETBH16DA6V	ETBX16DA6V
			ETBH16DA9W	ETBX16DA9W
Outdoor unit		EPRA14DAV3/W1	●	●
		EPRA16DAV3/W1	●	●
		EPRA18DAV3/W1	●	●
Controls	Wired room thermostat	BRC1HHDA*	●	●
	Wired digital thermostat	EKWCTRDI1V3	●	●
	Wired analog thermostat	EKWCTRAN1V3	●	●
	Valve actuator	EKWCVATR1V3	●	●
	Wired underfloor heating base station	EKWUFHTA1V3	●	●
	LAN Adapters + APP	BRP069A61	●	●
		BRP069A62	●	●
	W-LAN adapter	T.B.C.	●	●
Heat pump convector	Floor standing	FWXV10-15-20ATV3	●	●
	Wall mounted	FWXT10-15-20ATV3	●	●
	Concealed	FWXM10-15-20ATV3	●	●
Domestic hot water tank	Stainless steel tank	EKHWS(U)150D3V3	●	●
		EKHWS(U)180D3V3	●	●
		EKHWS(U)200D3V3	●	●
		EKHWS(U)250D3V3	●	●
		EKHWS(U)300D3V3	●	●
	Polypropylene tank	EKHWP300B	● (1)	● (1)
		EKHWP500B	● (2)	● (2)
		EKHWP300PB	● (1)	● (1)
		EKHWP500PB	● (2)	● (2)
	Third party tank kit	EKHY3PART	● (3)	● (3)
		EKHY3PART2	● (4)	● (4)
Options	Bi-zone kit	BZKA7V3	●	●
	Remote indoor sensor	KRCS01-1	● (5)	● (5)
	Remote outdoor sensor	EKRSCA1	● (5)	● (5)
	PC USB cable	EKPCCAB4	●	●
	Universal centarlized controller	EKCC8-W	●	●
	Digital I/O PCB	EKRP1HBAA	● (6)	● (6)
	Demand PCB	EKRP1AHTA	●	●
	Freeze protection valve	AFVALVE1	●	●
	Conversion kit H/O => reversible	EKHBCONV	●	
		EKHVCONV2		
Dedicated options for ECH_2O unit	Backup heater switch box	EKBUHSWB		
	Backup heater 1kW	EKBUB1C		
	Backup heater 3kW	EKBUB3C		
	Backup heater 9kW	EKBU9C		
	Room thermostat	EHS157034		
	Mixer module	EHS157067		
	Optional outdoor sensor	EKRSC1		
	Gateway for Apps	EHS157056		
	Hydraulic separator	172900		
	Heat insulation for HWC	172901		
	Pump group with mixer module	156075		
	Pump group without mixer module	156077		
	Connection kit for MK1	156053		
	Dirt seperator SAS1	156021		
	Dirt separator SAS2	156023		
	Biv Connector Kit	141589		
	DB connector Kit	141590		
	Terminal connection kit	141592		
	Connector external heater	141591		

(1) Dedicated connection kit: EKEPHT3H
(2) Dedicated connection kit: EKEPHT5H (3) EKHY3PART can be used if you have a tank in which you can insert the thermistor
(4) EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor
(5) Only 1 sensor can be connected: indoor OR outdoor sensor
(6) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

Floor standing integrated tank		Floor standing integrated bi-zone	Floor standing integrated ECH_2O	Solar kit HT incl. pump station	Mounting stand
H/O (White + grey)	Reversible (White + Grey)	H/O (White)	H/O (White)		
ETVH16S18DA6V (G)	ETVX16S18DA6V (G)	ETVZ16S18DA6V	ETSH(B)16P30DA		
ETVH16S18DA9W (G)	ETVX16S18DA9W (G)	ETVZ16S18DA9W	ETSH(B)16P50DA		
ETVH16S23DA6V (G)	ETVX16S23DA6V (G)	ETVZ16S23DA6V	ETSX(B)16P30DA		
ETVH16S23DA9W (G)	ETVX16S23DA9W (G)	ETVZ16S23DA9W	ETSX(B)16P50DA	EKSRPS4A	EKMST1/2
●	●	●	●		●
●	●	●	●		●
●	●	●	●		●
●	●	●			
●	●	●			
●	●	●	●		
●	●	●	●		
●	●	●	●		
●	●	●	●		
●	●	●			
●	●	●			
●	●	●	●		
●	●	●	●		
●	●	●	●		
				●	
				●	
				●	
				●	
●	●				
● (5)	● (5)	● (5)			
● (5)	● (5)	● (5)			
●	●	●	●		
●	●	●			
● (6)	● (6)	● (6)			
●	●	●			
●	●	●	●		
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R-410A

Daikin Altherma R HT

Why choose a Daikin Altherma high temperature split

The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators

Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

- Easy replacement: reuse existing piping/radiators
- Reduced installation time
- Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
- No need to change existing radiators and piping as water temperatures can be increased up to 80°C for heating and domestic hot water use

Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

- Available in 200 or 250 litres
- Efficient temperature heating: from 10°C – 50°C in only 60 minutes*

*Test completed with a 16 kW outdoor unit at ambient temperature of 7°C for a 200 litre tank

Non-stacked Stacked

ECH$_2$O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.

Energy efficiency

Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

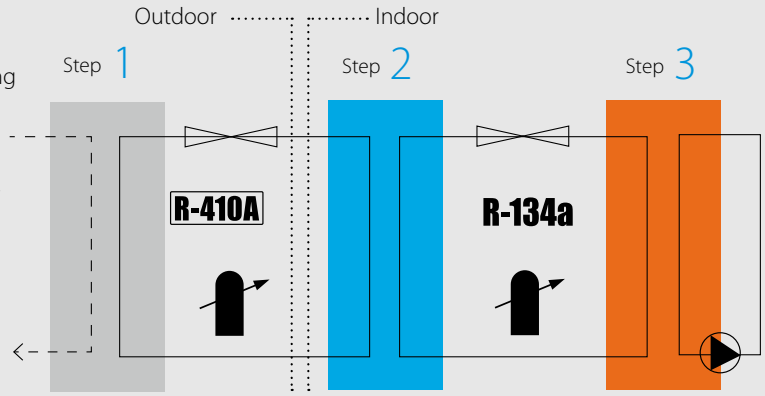
Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

› 11-15 kW capacities
› Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
› Works with existing high temperature radiators up to 80°C without an additional backup heater

Cascade technology

High performance heating in 3 steps to achieve 80°C water temperature without using an additional backup heater



1 **The outdoor unit** extracts heat from the ambient outdoor air. This heat is transferred to the indoor unit via R-410A refrigerant

2 The **indoor unit** increases the temperature with R-134a refrigerant

3 The **refrigerant circuit** transfers the heat to the water in the system

Daikin Altherma R HT

Floor standing heating only air to water heat pump combinable with existing radiators

- Energy efficient heating only system based on air to water heat pump technology
- Single phase floor standing indoor unit up to 16kW
- Three phase floor standing indoor unit up to 16kW
- High temperature application: up to 80°C without electric heater
- Easy replacement of existing boiler, without changing heating pipes
- Combinable with high temperature radiators
- Low energy bills and low CO_2 emissions
- Inverter controlled scroll compressor

ERRQ-AAV1 EKHBRD-ADV17/Y17

011-1W0256 → 258

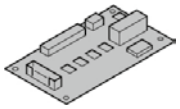
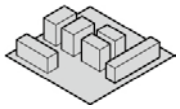
A+ 80°C R-410A

Efficiency data					EKHBRD + ERRQ/ERSQ	011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17 + ERRQ014AV1	014ADV17 + ERSQ014AV1	016ADV17 + ER(R/S)Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S)Q016AY1
Heating capacity	Nom.			kW		11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	Nom.		kW		3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
COP						2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)	2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)
Space heating	Average climate water outlet 55°C	General	SCOP			2.96		2.98		3.01	2.96		2.98		3.01
			ηs (Seasonal space heating efficiency)	%		115		116		117	115		116		117
			Seasonal space heating eff. class			A+									
	Average climate water outlet 35°C	General	SCOP			2.70		2.81		2.88	2.70		2.81		2.88
			ηs (Seasonal space heating efficiency)	%		105		110		112	105		110		112
			Seasonal space heating eff. class			C		B			C		B		

Indoor Unit					EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour					Metallic grey					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm		705x600x695					
Weight	Unit			kg		144			147		
Operation range	Heating	Ambient	Min.~Max.	°C		-20.0 / 0.00 ~20					
		Water side	Min.~Max.	°C		25~80.0					
	Domestic hot water	Ambient	Min.~Max.	°CDB		-20.0 ~35.0					
		Water side	Min.~Max.	°C		25~80					
Refrigerant	Type					R-134a					
	Charge			kg		2.60					
Sound pressure level	Nom.			dBA		43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00
	Night quiet mode	Level 1		dBA		40.0 / 0.00 / 0.00	43.0 / 0.00 / 0.00	45.0 / 0.00 / 0.00	40.0 / 0.00 / 0.00	43.0 / 0.00 / 0.00	45.0 / 0.00 / 0.00

Outdoor Unit					ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ-014AV1	ERRQ/ERSQ 016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ-014AY1	ERSQ-014AY1	ERRQ/ERSQ 016AY1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320									
Weight	Unit			kg	120									
Compressor	Quantity				1									
	Type				Hermetically sealed scroll compressor									
Operation range	Heating	Min.~Max.		°CWB	-20~20									
	Domestic hot water	Min.~Max.		°CDB	-20~35									
Refrigerant	Type				R-410A									
	GWP				2,087.5									
	Charge			kg	4.5									
	Charge			TCO_2Eq	9.4									
	Control				Expansion valve (electronic type)									
Sound power level	Heating	Nom.		dBA	68		69		71	68		69		71
Sound pressure level	Heating	Nom.		dBA	52		53		55	52		53		55
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V1/1~/50/220-440					Y1/3~/50/380-415				
Current	Recommended fuses			A	25					16				

(1)EW 55°C; LW 65°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB | (2)EW 70°C; LW 80°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB | (3)EW 30°C; LW 35°C; Dt 5°C; ambient conditions: 7°CDB/6°CWB | Contains fluorinated greenhouse gases

		Type	Material name
Controls		Remote user interface	EKRUAHTB
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		Centralised controller kit	EKCC-W
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Adapter		Demand PCB	EKRP1AHTA
		Digital I/O PCB	EKRP1HBAA
Back-up heater		Back-up heater for HT 1~	EKBUHAA6V3
		Back-up heater for HT 3~	EKBUHAA6W1
		Bottom plate heater	EKBPHTH16A
Installation		UK tank kit	EKUHWHTA
		Stand alone kit	EKFMAHTB
Sensor		External sensor	EKRTETS
Valve		Refrigerant stop valves	EKRSVHTA
Others		Compatibility kit 1	EKMKHT1A
		Compatibility kit 2	EKMKHT2A

Daikin Altherma M HW

Why choose a monobloc domestic hot water heat pump?

The high performance monobloc domestic hot water heat pump is a recent addition to the Daikin water heater range. Enhanced hot water comfort with quiet operation, easy handling, flexibility of installation and different integration possibilities. Perfect for renovation and new build.

High performance

- Delivering high comfort hot water of temperatures up to 55 °C with the heat pump only
- Among the most quiet with 53 dBA sound power and 36 dBA at 2 meters
- High tapping rate L, XL for guaranteeing maximum domestic hot water flow
- A+ seasonal energy efficiency

Easy to install and control

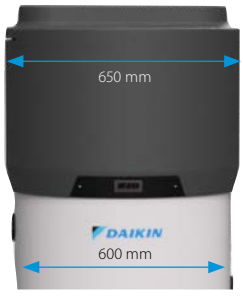
- All components are built-in and ready to work
- Compact sizes and low weight, which make it easily manoeuvrable through small doors and spaces
- Easy connection, from top of the unit, maximizes placing possibilities
- 3 easy operating modes, Eco – Auto – Boost, for your personal preferences

Renewable power

- Produces domestic hot water by extracting energy from the outside air
- For the 260 liter an extra coil possibility exists for solar water heating
- The monobloc can be standard connected to a PV installation severely minimizing running costs

Year-round reliability

- Total thermal power up to 3.4 kW ensures optimal hot water comfort
- Wide operation range: down to -7 °C outside temperature with the heat pump unit, and below -7°C with electrical heating element support
- Guaranteed optimal comfort by heat pump up to 38 °C outside temperature



Height

200L	1714 mm
260L	2004 mm

53 dB(A)
Sound power level

Daikin Altherma M HW

Enhanced hot water comfort

- Quiet operation: with 36dBA at 2m, one of the most silent products in its kind
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- Enhanced comfort: the 3 operating modes will give an answer to all your needs
- Solar connectivity: empower your house with renewable energy
- Wide operation range: down to -7 °C outside temperature with the heat pump, below -7 °C electrical heating element support

EKHH2E-AV3

011-1W0215 → 217

A+ 56°C* 70°C**

* max ECO cycle
** max Automatic cycle

Indoor unit				EKHH2E	2E200AV3(3)	2E260AV3(3)	2E260PAV3(3)
Heat up time	Max.			hh:mm	08:17:00 (3) / 06:30:44 (4)	10:14:00 (3) / 07:56:46 (4)	10:14:00 (3) / 07:46:46 (4)
COP					2.94 (1) / 3.30 (2)	3.10 (1) / 3.60 (2)	
Domestic hot water	Output	Nom		kW	1.8		
Equivalent hot water	Max			l	275	342	
Dimensions	Unit	Height		mm	1,714	2,004	
		Diameter		mm	650		
Weight	Unit	Empty		kg	83	95	112
		Full		kg	282	349	358
	Packed unit			kg	100	120	140
Installation place					Indoor		
IP class					IP-X4		
Compressor	Type				Rotary non-inverter		
Refrigerant	Type				R-134a		
	GWP				1,430.0		
	Charge			TCO_2Eq	1.287		
	Charge			kg	0.900		
Heat pump	Casing	Colour			White body / Black top		
		Material			Cover: EPP top finishing		
	Defrost method				Active with hot gas valve		
	Automatic defrost start			°C	-2		
	System pressure	Max.		bar	7		
	Operation range	Ambient	Min.	°CDB	-7		
			Max.	°CDB	38		
Tank	Integrated heating element power	Nom.		kW	1.5		
	Casing	Colour			White		
		Material			Embossed ABS		
	Dimensions	Unit	Height	mm	1,210	1,500	
	Operation range	Water side	Min.	°C	10		
			Max.	°C	56		
	Installation	Solar thermal connection possible			-		1
	Standing heat loss			W	60	70	71
Domestic hot water heating	General	Declared load profile			L	XL	
		Water heating energy efficiency class			A+		
		Thermostat temperature setting		°C	55		
	Average climate	AEC (Annual electricity consumption)		kWh	835	1,323	
		ŋ wh (water heating efficiency)		%	123	127	
	Cold climate	AEC (Annual electricity consumption)		kWh	1,091	1,826	
		ŋ wh (water heating efficiency)		%	94	92	
	Warm climate	AEC (Annual electricity consumption)		kWh	756	1,296	
		ŋ wh (water heating efficiency)		%	135	129	
Sound power level	Domestic hot water heating	Indoor unit		dBA	53		
Heat pump	Power supply	Phase			1P		
		Frequency		Hz	50		
		Voltage		V	230		
		Maximum running current		A	2.4		
Tank	Power supply	Phase			1P		
		Frequency		Hz	50		
		Voltage		V	230		

(1) Temperature of incoming air supply = 7°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 16147-2011).
(2) Temperature of incoming air supply = 15°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 1614 7-2011).
(3) Indoor temperature : 29°CDB, 19°CWB; outdoor temperature : 46°CDB, 24°CWB
(4) Indoor temperature : 27°CDB, 19°CWB; outdoor temperature : 35°CDB, 24°CWB

R-410A

Daikin Altherma R HW

Why choose a split domestic hot water heat pump ?

The split domestic hot water heat pump is the ideal replacement for an electric domestic hot water tank to provide semi-instantaneous hot water.

Comfort

Fresh water principle:

› Domestic hot water production on demand means fresh water at all times
› Minimum volume of stored domestic hot water prevents the risk of contamination and sedimentation

Easy installation

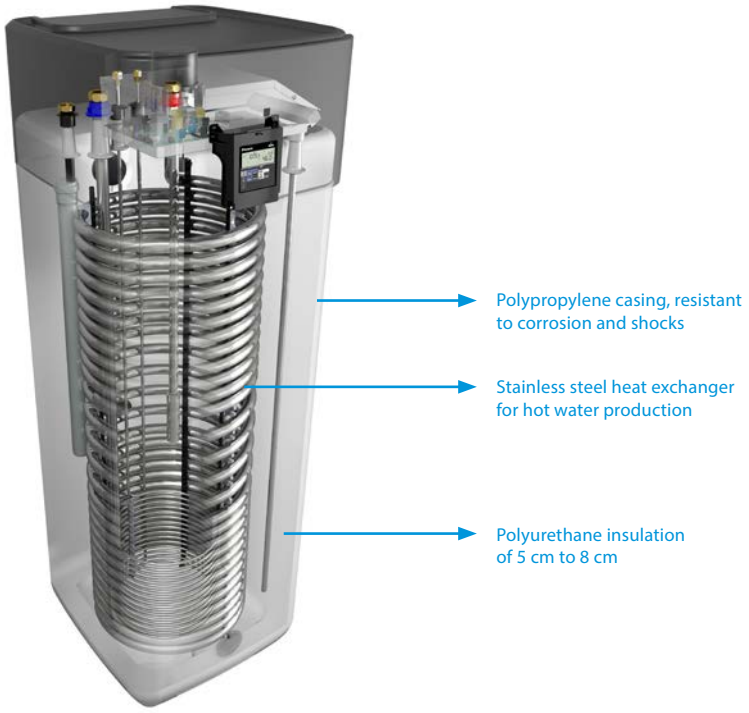
› No water tank pressure and limited pressure in the heat exchanger
› Low maintenance: no anode means no scale and lime deposits or corrosion
› Compact and designed with additional controls for easy installation and maintenance

Reliability

› Electrical backup (2.5 kW) ensures hot water under all circumstances; the 500l tank can also be equipped with an external hydraulic backup
› The ECH_2O thermal store is engineered to provide you with fresh, healthy and safe hot water
› By just using the heat pump, the temperature of the water can reach up to 55°C and its production is guaranteed down to -15°C outside temperature

Energy efficiency

› Heat pump extracts renewable energy from the outside air to produce hot water
› Increase energy saving and efficiency by connecting the unit to solar panels



Daikin Altherma R HW

Hot water in an efficient way

› Domestic hot water is heated almost immediately
› Combine it with solar heating for even better energy efficiency
› Easy installation: no water tank pressure and only limited pressure in the heat exchanger
› Low maintenance: no anode means no scale and lime deposits or corrosion
› Electrical back-up (2.5 kW) ensures hot water under all circumstances. The 500L tank can also be equipped with an external hydraulic back-up

EKHHP300AB2V3 ERWQ-AV3

A+ 55°C R-410A

Efficiency data			EKHHP + ERWQ	300A2V3 + 02AV3	500A2V3 + 02AV3
Domestic hot water heating	General	Declared load profile		L	XL
	Average climate	ηwh (water heating efficiency)	%	119	124
		Water heating energy efficiency class		A+	
COP				4.30 (1)	

Indoor Unit				EKHHP	300A2V3	500A2V3
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)	
Dimensions	Unit	HeightxWidthxDepth		mm	1772x595x615	1778x790x790
Weight	Unit			kg	70	80
Tank	Water volume			l	294	477
	Maximum water temperature			°C	85	
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB	2~35	
		Water side	Min.~Max.	°C	5~55	
Refrigerant	Type				R-410A	

Outdoor Unit				ERWQ	02AV3	02AV3
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	
Weight	Unit			kg	35	
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
Operation range	Domestic hot water		Min.~Max.	°CDB	-15~35	
Refrigerant	Type				R-410A	
	GWP				2,087.5	
	Charge			kg	1.05	
	Charge			TCO_2Eq	2.2	
Sound pressure level	Heating		Nom.	dBA	47	
	Cooling		Nom.	dBA	47	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230	

(1) At 7°C ambient temperature (2) Contains fluorinated greenhouse gases

Daikin Altherma R Flex Type HT HW

Why choose a Daikin Altherma HT Flex Type

Daikin Altherma HT Flex Type is ideal for large requirements of domestic hot water like apartment buildings or commercial spaces.

Comfort

Domestic hot water

› Equipped with air-to-water heat pump technology
› Best system to meet high demands for hot water
› Using renewable energy from the heat pump, the system can heat the hot water tank up to 75°C without using an electric heater

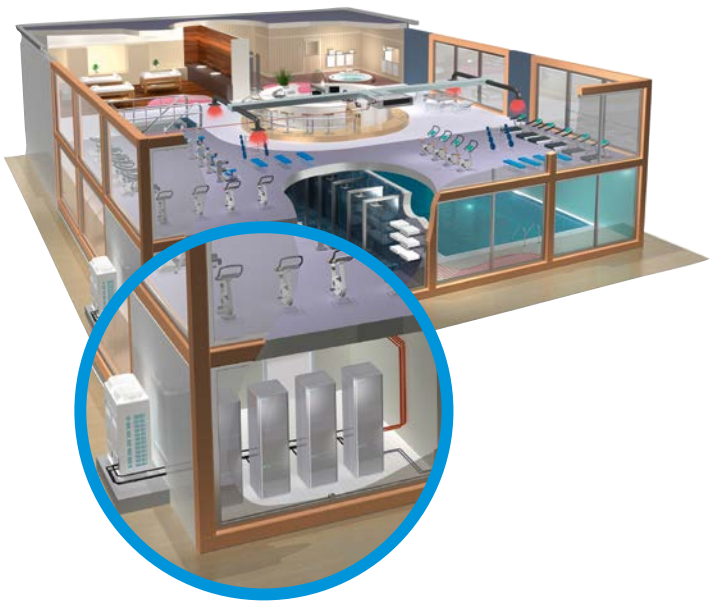
Energy efficiency

› High energy efficiency achieves high sustainability and low operation costs
› Inverter compressor continuously adjusts the compressor speed to meet actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures

Reliability

Modular system

One or more outdoor units can be connected to several indoor units
(maximum 10 indoor units per outdoor unit)



EMRQ-AB + EKHBRD-ADV17/Y17

Daikin Altherma R Flex Type HT HW

› Low energy bills and low CO_2 emissions
› Easy installation and maintenance
› Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit

EMRQ-AB

EKHBRD-ADV17/Y17

A | 80°C | R-410A

Outdoor Unit					EMRQ	8AB	10AB	12AB	14AB	16AB
Heating capacity	Nom.				kW	22.4 (1)	28 (1)	33.6 (1)	39.2 (1)	44.8 (1)
Seasonal efficiency	Domestic hot water heating	General	Declared load profile			XL				
		Average climate	ηwh (water heating efficiency)		%	93			83.7	93
			Water heating energy efficiency class			A				
Casing	Colour					Daikin White				
	Material					Painted galvanized steel plate				
Dimensions	Unit	HeightxWidthxDepth			mm	1,680x1,300x765				
Weight	Unit				kg	331			339	
Operation range	Domestic hot water	Ambient	Min.~Max.		°CDB	-20~35				
Refrigerant	Type					R-410A				
	GWP					2,087.5				
	Charge				kg	10.3	10.6	10.8	11.1	
					TCO_2eq	21.5	22.1	22.5	23.2	
Piping connections	Liquid	OD			mm	9.52		12.7		
	Suction	OD			mm	19.1	22.2	28.6		
	High and low pressure gas	OD			mm	15.9	19.1		22.2	
	Piping length	OU - IU	Max.		m	100				
		System	Equivalent		m	120				
	Total piping length	System	Actual		m	300				
Sound power level	Heating	Nom.			dBA	78		80	83	84
Sound pressure level	Heating	Nom.			dBA	58		60	62	63
Power supply	Phase/Voltage				V	3~/380-415				
Current	Recommended fuses				A	20	25		40	

(1) Condition: Ta=7°CDB/6°CWB, 100% connection ratio
(2) Contains fluorinated greenhouse gases

Indoor Unit					EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour					Metallic grey					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth			mm	705x600x695					
Weight	Unit				kg	144			147		
Operation range	Domestic hot water	Ambient	Min.~Max.		°CDB	-20.0~35.0					
		Water side	Min.~Max.		°C	25~80					
Refrigerant	Type					R-134a					
	Charge				kg	2.60					
					TCO_2eq	3.718					
	GWP					1,430					
Sound pressure level	Nom.				dBA	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00
	Night quiet mode	Level 1			dBA	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0

Options

	Type	Material name	EMRQ-AB
Drain	Central drain pan kit	KWC25C450	•
Refnet	Refnet header	KHRQ(M)22M29H8	•
	Refnet header	KHRQ(M)22M64H8	•
	Refnet joint	KHRQ(M)22M20T8	•
	Refnet joint	KHRQ(M)22M29T8	•
	Refnet joint	KHRQ(M)22M64T8	•

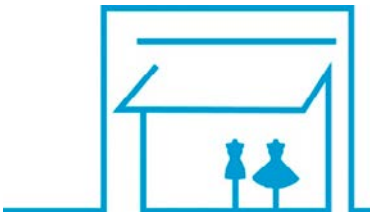
Daikin Altherma R Flex Type

With the expanded Daikin Altherma high capacity range we now offer the ideal solutions for all high demanding systems. Ideal for collective housing, hotels, swimming pools which require high comfort and high reliability.

Why choose a Daikin Altherma R Flex Type?

Strong and reliable

› Equipped with air-to-water heat pump technology to extract the outdoor air for energy
› COP possible up to 3.07/A+ at Ta DB/WB 7/6*C - LWC 45*C
› Reversible, enhanced cooling capacity
› External control possible



Collective/commercial advantage

› Cascade heating capacity up to 62,7 kW
› Cascade cooling up to 63,3 kW
› VRV technology ensures high efficiencies and reliable working
› Compact model for easy installation and fit for smaller spaces

Daikin Altherma R Flex Type

- Hydronic module for indoor installation eliminating the need for glycol
- Ideal for colder climates as the lack of glycol will allow for high efficiency
- Compact dimensions and limited pipework allow fir installation in very restricted spaces
- Easy transportation as separate units will fit in an elevator

SEHVX-BAW SERHQ-BAW1

BRC21A53/54 (Optional)

up to A++ 50°C R-410A

Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21.2 (1)	31.8 (1)	42.3 (1)	63.3 (1)
Heating capacity	Nom.			kW	20.8 (2)	31.2 (2)	41.7 (2)	62.7 (2)
Power input	Cooling	Nom.		kW	7.47 (1)	12.7 (1)	15.1 (1)	25.5 (1)
	Heating	Nom.		kW	6.76 (2)	10.6 (2)	13.7 (2)	21.4 (2)
EER					2.84	2.5	2.8	2.48
COP					3.07	2.93	3.03	2.93
Space heating	Average climate water outlet 35°C	General	SCOP		3.93	3.53	3.80	3.53
			ηs (Seasonal space heating efficiency)	%	154	138	149	138
			Seasonal space heating eff. class		A++	A+		

Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height		mm	1,573			
		Width		mm	766			
		Depth		mm	396			
Weight	Unit			kg	97.0	105	137	153
	Packed unit			kg	109	117	149	165
Water side Heat exchanger	Type				Brazed plate			
	Water volume			l	3	5	6	9
	Water flow rate	Cooling	Nom.	l/min	60 (3)	90 (3)	120 (3)	181 (3)
		Heating	Nom.	l/min	60 (2)	90 (2)	120 (2)	181 (2)
Sound power level	Nom.			dBA	63		66	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~43			
		Water side	Min.~Max.	°CDB	5 (4)~20			
	Heating	Ambient	Min.~Max.	°CDB	-15~35			
		Water side	Min.~Max.	°CDB	25~50			
Refrigerant	Type / GWP				R-410A / 2,087.5			
	Circuits	Quantity			1		2	
	Control				Electronic expansion valve			
Water circuit	Piping connections diameter			inch	1-1/4" (female)		2" (female)	
	Piping			inch	1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.	kPa	17 (7)	24 (7)	19 (7)	29 (7)
	Total water volume			l	4.2 (8)	5.8 (8)	7.9 (8)	11.0 (8)
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400			

Outdoor Unit					SERHQ020BAW1	SERHQ032BAW1
Dimensions	Unit	Height		mm	1,680	
		Width		mm	765	
		Depth		mm	930	1,240
Weight	Unit			kg	240	316
	Packed unit			kg	273	356
Compressor	Quantity				2	3
	Type				Hermetically sealed scroll compressor	
Fan	Type				Axial	
	Quantity				1	2
	Air flow rate	Cooling	Nom.	m^3/min	185	233
		Heating	Nom.	m^3/min	185	233

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition: Ta 35°C - LWE 7°C (DT = 5°C) (4) Water can be used above 5°C. Between 0°C and 5°C a 30% glycol solution (propylene or ethylene) has to be used. Between 0°C and -10°C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel

reddot award 2018 winner

DESIGN AWARD 2018

Daikin Altherma 3 GEO

Top performance even in coldest climate

The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.

Space heating

During winter

Space cooling

Active cooling with high efficiency

Domestic hot water production

Integrated 180L stainless steel tank

Leaving water temperature up to 65°C, so the unit can work with underfloor heating, heat pump convectors but also with radiators.

Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65°C output, the unit fits with classic radiators.

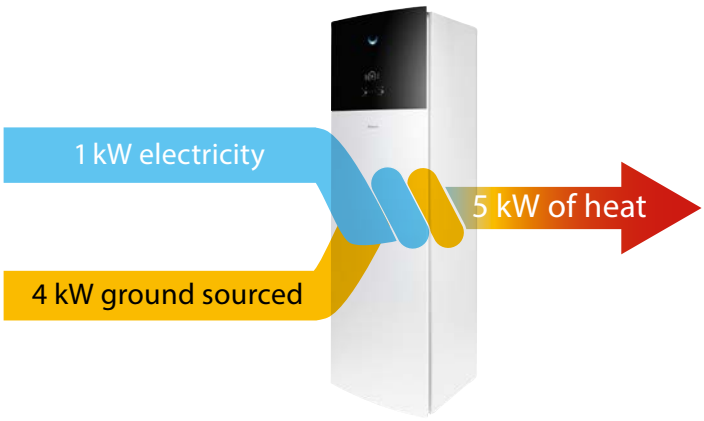
Suitable for new build: the Daikin Altherma 3 geo is also combinable with fan coils and underfloor piping.

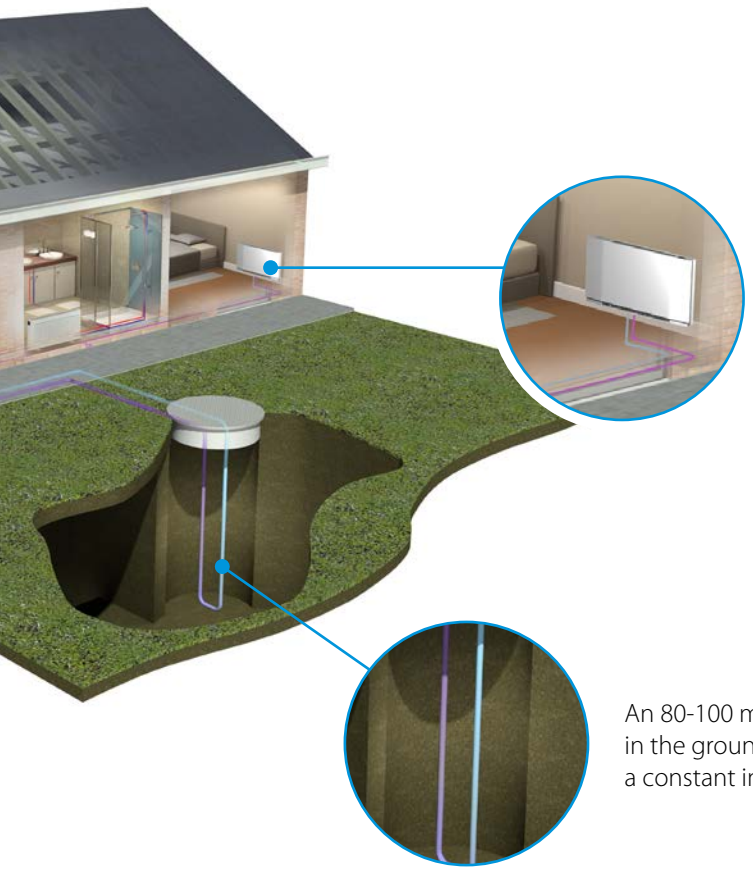
BLUEVOLUTION

Bluevolution technology using R-32, environmentally friendly refrigent with a lower GWP, reducing its CO_2 equivalent by 70% compared to its predecessor R-410A.

Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.





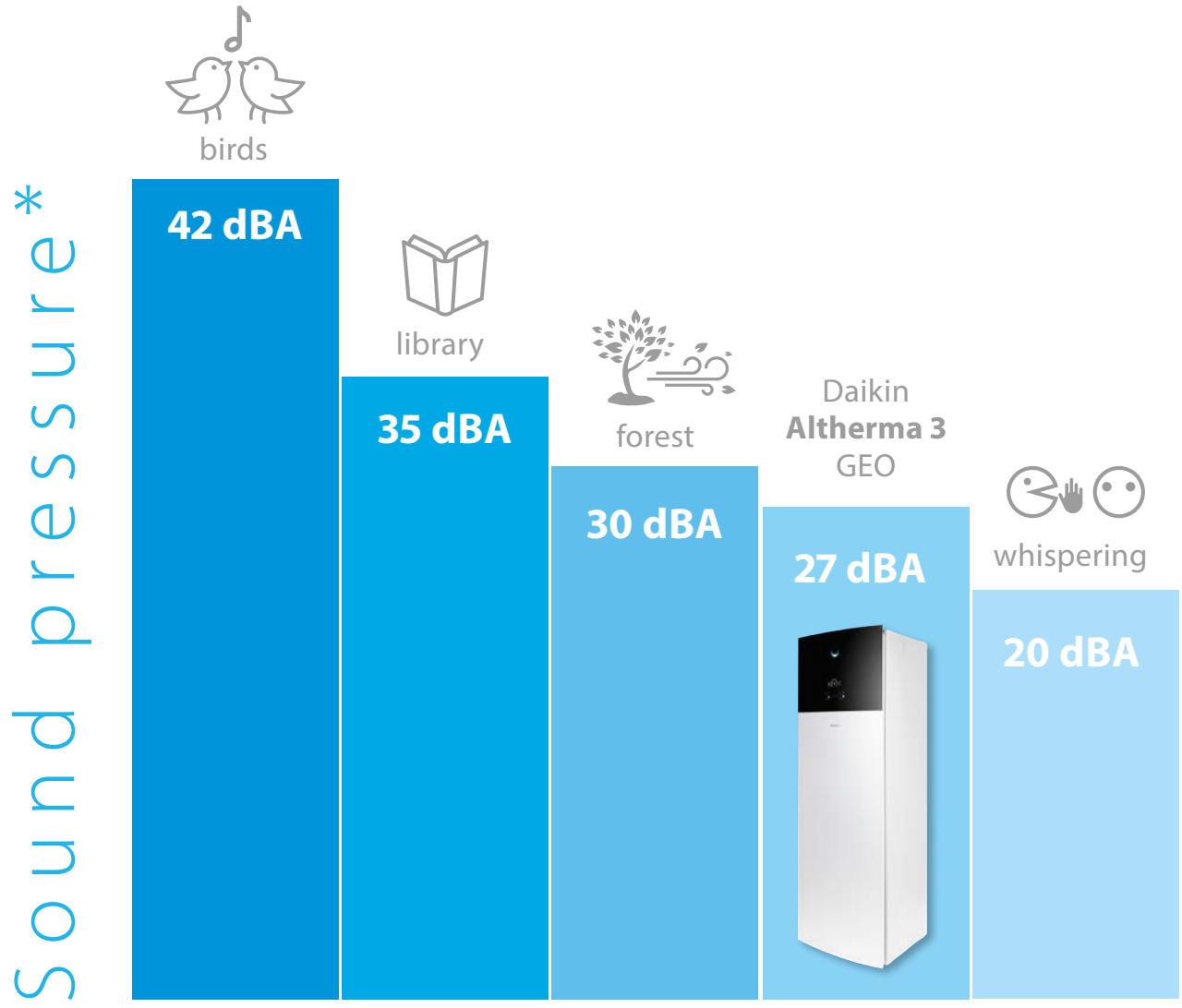
Daikin Altherma HPC provides heating or cooling for living rooms.

An 80-100 metre borehole in the ground creates a constant inlet temperature.

Care for peace of mind

The Daikin Altherma 3 GEO is designed to perform the best efficiencies in what matter the most: quietness and connectivity.

Extremely quiet operation

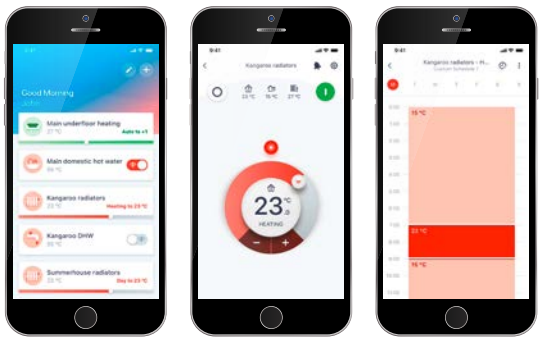


*at 1 meter.

Built-in connectivity

Control your home climate from any place, at any time

Daikin Residential Controller app



Monitor Control Schedule

Always in control.
Control your climate from any place, at any time.

- Monitor the status of your heating system
- Control the operation mode and set temperature
- Schedule the set temperature and operation mode

Madoka wired remote controller for Daikin Altherma

A new generation of user interface, redesigned and intuitive.

- ☑ Intuitive control with a premium design
- ☑ Three colors to match any interior design
- ☑ Easily set operation parameters

BRC1HHDW

BRC1HHDS

BRC1HHDK

Groundbreaking innovation

Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

All pipe connections on top, paired in and out

Standard electrical connections pre-cabled

Can easily be installed in confined spaces thanks to a small footprint and integrated handles

Advanced
user interface

The Daikin Eye
The intuitive Daikin eye shows you in real time the status of your system.

Blue:
When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red:
When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.

Quick to configure
Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit.

Easy operation
Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design
The user interface was especially designed to be very intuitive.
The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Removable compressor module, reducing the overall weight by 70 kg

Daikin Altherma 3 GEO

Ground source heat pump for **heating, cooling & hot water**

- Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs
- Delivering temperatures up to 65°C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators
- Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time
- The unit has a similar footprint when compared to other household appliances
- Reversible heat pump, allowing heating and cooling

EGSAH-D9W

BRC1HHDW

A+++ A+ L 65°C R-32

011-1W0337
011-1W0338

Indoor Unit					EGSA	H06D9W	X06D9W(G)	H10D9W	X10D9W(G)
Heating capacity	Min.				kW	0.85			
	Nom.				kW	3.34		5.48	
	Max.				kW	7.98		9.55	
Power input	Nom.				kW	0.7		1.12	
COP						4.74		4.89	
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)		%	150	153	160	162
			Seasonal space heating eff. class			A+++			
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)		%	214	219	210	213
			Seasonal space heating eff. class			A+++			
Domestic hot water heating	General	Declared load profile				L			
	Average climate	ηwh (water heating efficiency)			%	117			
		Water heating energy efficiency class				A+			
Space cooling	UFH	General	SEER			-	15	-	15
			Pdesign		kW	-	8	-	8
	Fan Coil	General	SEER			-	14	-	14
			Pdesign		kW	-	8	-	8
Casing	Colour					White or Silver-grey			
	Material					Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth			mm	1,891x597x666			
Weight	Unit				kg	222			
Tank	Water volume				l	180			
	Insulation	Heat loss			kWh/24h	1,2			
	Corrosion protection					Pickling			
Operation range	Installation space		Min.~Max.		°C	5 / 35			
	Brine side		Min.~Max.		°C	-10 / 30			
	Heating	Water side	Min.~Max.		°C	5 / 65			
	Domestic hot water	Water side	Min.~Max.		°C	25 / 60			
Refrigerant	Type					R-32			
	GWP					675			
	Charge				kg	1.70			
	Charge				TCO_2Eq	1.15			
Sound power level	Nom.				dBA	39.0		41.0	
Sound pressure level at 1 meter	Nom.				dBA	27.0		29.0	
Power supply	Name/Phase/Frequency/Voltage				Hz/V	3~/50/400 or 1~/50/230			
Current	Recommended fuses				A	3P 16A or 1P 32A			

Options

	Type	Material name
Controls	Remote user interface	BRC1HHDAK/S/W
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
	Cascade control	EKCC8-W
	Gateway for cascade controller	DCOM-LT/IO
	Gateway (Modbus)	DCOM-LT/MB
Adapter	Demand PCB	EKRP1AHTA
	Digital I/O PCB	EKRP1HBAA
Sensor	Remote indoor sensor	KRCS01-1
	External sensor for room thermostat EKRTR1	EKRTETS
	Current sensors	EKCSENS
Others	PC cable	EKPCCAB4
	Ground source filling kit	KGSFILL2
	Hydromodule replacement	EKGSHYDMOD
	Separate power supply BUH	EKGSPOWCAB
	Magnetic filter Fernox	K.FERNOXTF1
	Magnetic filter Fernox	K.FERNOXTF1FL

Daikin Altherma GEO

Ground source heat pump for **heating & hot water**

- Ground source heat pump technology uses stable geothermal energy, unaffected by the outside temperature
- Highest seasonal efficiency thanks to our inverter heat pump technology
- Quick and easy installation thanks to factory-fitted piping on top of the unit and reduced overall weight
- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- User interface with thermostat function for higher comfort, quick commissioning, easy servicing and energy management to control energy consumption and costs

EGSQH-A9W

Up to A+++ A 60°C R-410A

011-1W0067

Indoor Unit				EGSQH	10S18A9W
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	144
			Seasonal space heating eff. class		A++
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	202
			Seasonal space heating eff. class		A+++
Domestic hot water heating	General	Declared load profile			L
	Average climate	ηwh (water heating efficiency)		%	93.1
		Water heating energy efficiency class			A
Heating capacity	Min.			kW	3.11(1) / 2.47(2)
	Nom.			kW	10.2(1) / 9.29(2)
	Max.			kW	13.0(1) / 11.9(2)
Power input	Nom.			kW	2.34(1) / 2.82(2)
COP					4.35(1) / 3.29(2)
Casing	Colour				White
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728
Weight	Unit			kg	210
Tank	Water volume			l	180
	Insulation	Heat loss		kWh/24h	1.36
	Corrosion protection				Anode
Operation range	Domestic hot water	Water side	Min.~Max.	°C	25 / 25 ~55 / 60
Refrigerant	Type				R-410A
	GWP				2,087.5
	Charge			kg	1.80
	Charge			TCO_2Eq	3.76
	Control				Electronic expansion valve
Sound power level	Nom.			dBA	46.0
Sound pressure level	Nom.			dBA	32.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	9W/3~/50/400
Current	Recommended fuses			A	25

(1) EWB/LWB 0°C/-3°C - LWC 35°C (DT=5°C) (2) EWB/LWB 0°C/-3°C - LWC 45°C (DT=5°C) (3) Contains fluorinated greenhouse gases

Options

	Type	Material name
Controls	LAN adapter	BRP069A62
	LAN adapter + PV solar connection	BRP069A61
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7
	Simplified user interface	EKRUCBSB
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
	DCOM gateway	DCOM-LT/IO
	DCOM gateway	DCOM-LT/MB
Adapter	Demand PCB	EKRP1AHTA
	Digital I/O PCB	EKRP1HBAA
Installation	Wire harness	EKGSCONBP1
Sensor	Remote indoor sensor	KRCS01-1B
	External sensor	EKRTETS
Valve	Valve kit	EKVK1A/2A/3A
Others	PC cable	EKPCCAB4
	Ground source filling kit	KGSFILL

Daikin Altherma

hybrid heat pump

Why choose a Daikin Altherma hybrid heat pump

The Daikin Altherma hybrid heat pump is the ideal solution to replace your old gas boiler.

Comfort

Heating

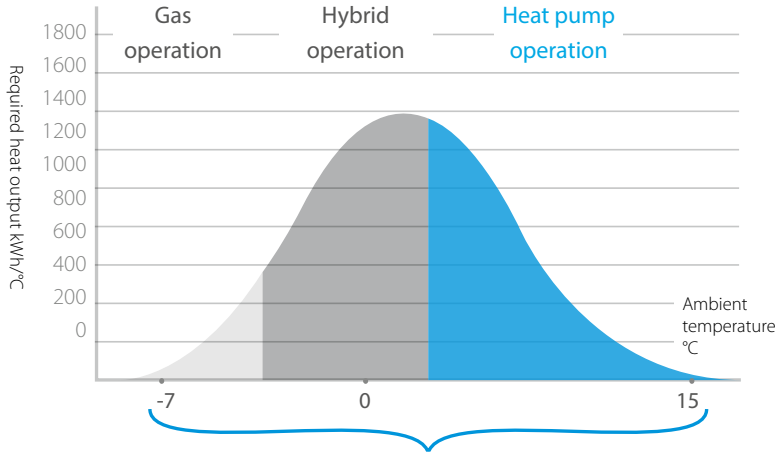
A Daikin Altherma hybrid heat pump automatically determines the most economic and energy efficient heating combination

› **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures

› **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer

› **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

Illustration of an average European climate

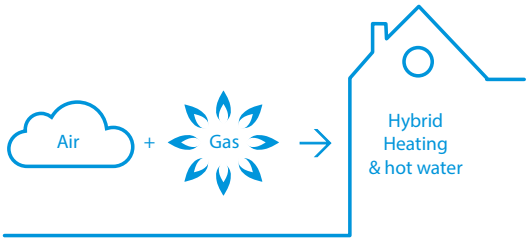


+ 35% efficiency
(space heating) compared to condensing boiler

› Heat load: 14 kW
› 70% heat pump output
› 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time

Required heat output = heat load x n° of occuring hours per year



Hot water
The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers

Cooling
Incorporate cooling for a total solution that integrates seamlessly with underfloor heating or radiators

Quick and easy installation
As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install

Investment benefits
› Combines with existing radiators; reducing the cost and disruption of installations
› Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
› Possible to connect to photovoltaïc solar panels to optimise self-consumption of the electiricy produced

Heat pump outdoor unit

Heat pump indoor unit

A++

Energy efficiency

The ideal combination
Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

Supported by renewable energy
When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

Hot water produced with gas condensing technology
Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers

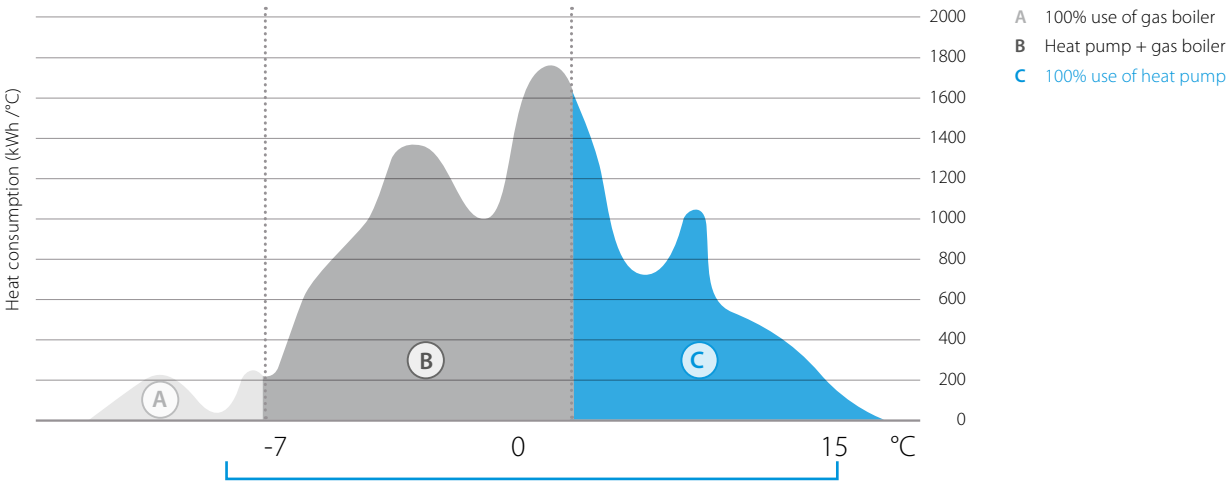
› Cold tap water flows directly into the heat exchanger
› Optimal and continuous condensing of the flue gases during domestic hot water preparation

Reliability

› Low investment cost with no need to replace existing piping and radiators
› Low running costs for heating and domestic hot water
› Compact dimensions
› Ideal for renovation applications
› Easy and fast installation

Replacing a gas boiler with a Daikin Altherma hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin altherma hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
		Space heating	
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1,220 €	1,520 €	1,820 €
		DHW HEATING	
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65 %
Running costs*	230 €	260 €	320 €
		TOTAL	
Running costs	1,450 €	1,780 €	2,140 €

* for combi-boiler, no separate domestic hot water tank

Conditions

Heat load	16 kW
Design temperature	-8°C
Space heating off temperature	16°C
Maximum water temperature	60°C
Minimum water temperature	38°C
Gas price	0.070 €/kWh
Electricity price (day)	0.237 €/kWh
Electricity price (night)	0.152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

Yearly savings: for space heating and domestic hot water

-19%	versus new gas condensing boiler	330 €/year
-32%	versus existing gas condensing boiler	690 €/year

Daikin Altherma R Hybrid

Hybrid technology combining condensing gas and air to water heat pump for heating and hot water

- Heating only + heating and cooling models
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections

A++ A 55°C R-410A

011-1W0313
011-1W0314

Efficiency data					EHYHBH05AV32 + EVLQ05CV3	EHYHBH08AV32 + EVLQ08CV3	EHYHBX08AV3 + EVLQ08CV3
Space heating	Average climate water outlet 55°C	General	SCOP		3.28	3.24	3.29
			ηs (Seasonal space heating efficiency)	%	128	127	129
			Seasonal space heating eff. class		A++		
Domestic hot water heating	General	Declared load profile			XL		
	Average climate	ηwh (water heating efficiency)		%	83.8		
		Water heating energy efficiency class			A		
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	7.40(1) / 6.89(2)	7.40(1) / 6.89(2)
Cooling capacity	Nom.			kW	-		6.86(1) / 5.36(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.66(1) / 2.01(2)	1.66(1) / 2.01(2)
	Cooling	Nom.		kW	-		2.01(1) / 2.34(2)
COP					5.04(1) / 3.58(2)	4.45(1) / 3.42(2)	4.45(1) / 3.42(2)
EER					-		3.42(1) / 2.29(2)

Indoor unit (Hydrobox & Boiler)					EHYHBH05AV32	EHYHBH08AV32	EHYHBX08AV3	EHYKOMB33AA2	EHYKOMB33AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	-			6.2 / 7.6	/ 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	-			6.7 / 8.2	/ 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	-			98 / 107	
	Operation range	Min/Max		°C	-			15 /80	
Domestic hot water	Output	Min/Nom		kW	-			7.6/32.7	
	Water flow	Rate	Nom	l/min	-			9.0 / 15.0	
	Operation range	Min/Max		°C	-			40/65	
Gas	Connection	Diameter		mm	-			15	
	Consumption (G20)	Min/Max		m^3/h	-			0.78/3.39	
	Consumption (G25)	Min/Max		m^3/h	-			0.90/3.93	
	Consumption (G31)	Min/Max		m^3/h	-			0.30/1.29	
Supply air	Connection			mm	-			100	
	Concentric				-			1	
Flue gas	Connection			mm	-			60	
Casing	Colour				White			White - RAL9010	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidth xDepth	Casing	mm	902x450x164			710x450x240	
Weight	Unit	Empty		kg	30.0	31.2		36	
Power supply	Phase/Frequency/Voltage			Hz/V	-			1~/50/230	
Electrical power consumption	Max.			W	-			55	
	Standby			W	-			2	
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25			-	
		Water side	Min.~Max.	°C	25 ~55			-	
	Cooling	Ambient	Min.~Max.	°CDB	-~-		10 ~43	-	
		Water side	Min.~Max.	°C	-~-		5 ~22	-	

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit		kg	54	56
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CWB	-25~25	
Refrigerant	Type			R-410A	
	GWP			2,088	
	Charge		kg	1.5	1.6
	Charge		TCO_2Eq	3.0	3.3
	GWP			2,088	
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230	
Current	Recommended fuses		A	16	20

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)
(4) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma R Hybrid
+ multi

The Daikin Altherma hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

Multi features

- Equipped with Bluevolution technology
- 3, 4 and 5 ports for multi outdoor units
- Combinable with different Split & Sky Air indoor units:
  One port can be used for hot water production

Control withDaikin Residential Controller app

BLUEVOLUTION

	Wall mounted																			Concealed ceiling							Floor staianding			Round flow cassette			Fully flat cassette				Ceiling suspended			Concealed floor standing				Hybrid heat pump	
	CTXA-AW//BS/BT/BB	FTXA-AW//BS/BT/BB						FTXJ-MW/S				CTXM-N	FTXM-N							FDXM-F9				FBA-A9			FVXM-F			FCAG-B			FFA-A9				FHA-A9			FNA-A9				CHYHBH-AV32	
Connectable indoor units	15	20	25	35	42	50	20	25	35	50	15	20	25	35	42	50	60	71	25	35	50	60	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08
3MXM52N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		●	●		●	●	●	●	●		●	●	●		●	●		●	●	●		●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Efficiency data					CHYHBH05AV32 /3MXM52N	CHYHBH05AV32 /3MXM68N	CHYHBH05AV32 /4MXM68N	CHYHBH05AV32 /4MXM80N	CHYHBH08AV32 /4MXM80N	CHYHBH05AV32 /5MXM90N	CHYHBH08AV32 /5MXM590N
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					CHYHBH05AV32	CHYHBH08AV32
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30.0	
Operation range	Heating	Ambient	Min.~Max.	°C	-15 ~24	
		Water side	Min.~Max.	°C	25 ~50	

Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2 / 7.6 / 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7 / 8.2 / 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 /80
Domestic hot water	Output	Min/Nom		kW	7.6/32.7
	Water flow	Rate	Nom	l/min	9.0 / 15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h	0.90/3.93
	Consumption (G31)	Min/Max		m^3/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	55
	Standby			W	2

Outdoor unit					3MXM52N	3MXM68N	4MXM68N	4MXM80N	5MXM90N
Dimensions	Unit	HeightxWidthxDepth		mm	734x958x340				
Weight	Unit			kg	57	62	63	67	68
Sound power level	Cooling			dBA	59	61	61		64
	Heating			dBA	59	61	61		64
Sound pressure level	Cooling	Nom.		dBA	46	48	48	49	52
	Heating	Nom.		dBA	47	48	48	49	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~18				
Refrigerant	Type				R-32				
	GWP				675				
	Charge			kg/TCO_2Eq	1.80/1.2	2.00/1.4	2.00/1.4	2.40/1.6	
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5				
	Piping length	OU - IU	Max.	m	25				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)				
	Level difference	IU - OU	Max.	m	15				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A	30				

Options

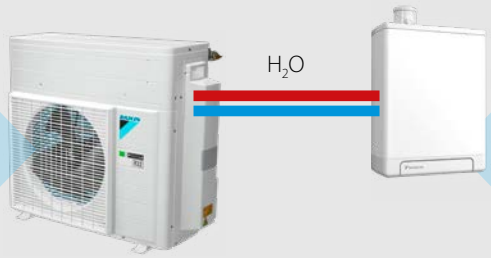
		Type	Material name
Controls		LAN adapter	BRP069A62
		LAN adapter + PV solar connection	BRP069A61
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7
		Simplified user interface	EKRUCBSB
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		Heat meter (EHYHBH* only)	K.HEATMET
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Drain		Drain pan for reversible H/B	EKHYDP1
Installation		Cover plate 35	EKHY093467
		Installation jig	EKHYMNT1
Sensor		External sensor	EKRTETS
Valve		Valve kit for connection to 3rd party tank with built-in thermotat	EKHY3PART2
		Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART
Propane set		Propane set	EKHY075787

	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connnection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 L=10 M	EKFGP6346
	Extension Flex PP 100 L=15 M	EKFGP6349
	Extension Flex PP 100 L=25 M	EKFGP6347
	Extension Flex PP 130 L=30 M	EKFGS0250
	Extension Flex PP 80 L=10 M	EKFGP6340
	Extension Flex PP 80 L=15 M	EKFGP6344
	Extension Flex PP 80 L=25 M	EKFGP6341
	Extension Flex PP 80 L=50 M	EKFGP6342
	Extension PP 60x500	EKFGP5461
	Extension PP/GLV 60/100 x 1000mm	EKFGP4652
	Extension PP/GLV 60/100 x 500mm	EKFGP4651
	Extension PP/GLV 80/125 x 10000mm	EKFGP4802
	Extension PP/GLV 80/125 x 500mm	EKFGP4801
	Extension P BM-Air 80x500	EKFGW4001
	Extension P BM-Air 80x1000	EKFGW4002
	Extension P BM-Air 80x2000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227
	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 L=1000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connectionset 1	EKFGP6368
	Tee Flex 130 Boiler Connectionset 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

Daikin Altherma H Hybrid

The best of 2 worlds

Heat pump



Condensing Boiler

Environmentally friendly

› Reduced environmental impact thanks to the usage of **R-32 refrigerant**

› Outdoor unit with **sealed refrigerant circuit**, which greatly reduces the risk of refrigerant leakage

Easy & Quick installation

All hydraulics components are outside.

No F-gas licence required

Only water connections between outdoor and indoor unit. Therefore no F-gas certification is needed for the installer.

Safety in every conditions

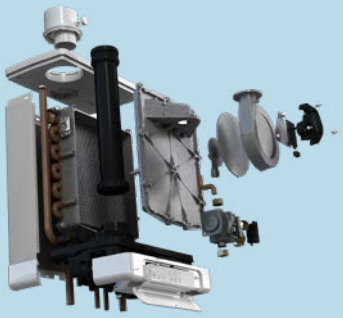
The unit can work down to -15°C outside thanks to multiple freeze-up protections

Flexible installation

Compact indoor unit can be installed in a cupboard.

Condensing technology

The condensing technology uses optimum fuel efficiency, with reduced emissions of NOx and CO, to ensure high cost savings and environmentally-friendly operation.



Plug & play

No need of other parts, the pump group is integrated inside.

BLUEVOLUTION

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Installation possibilities

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW:

The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW:

For more domestic hot water production, you can combine the Daikin Altherma H Hybrid with multiple tank options:

Pressureless tanks with solar support

Connect your unit to a ECH_2O thermal store and take advantage of the energy of the sun.

EKHWP-(P)B
300 LT or 500 LT

EKS(H/V)-P

Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs

EKHWS-D3V3
from 150 LT up to 300 LT

Controls

EKRUHML1/2

Control

› Manage space heating and domestic hot water and among others, booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct accessibility to all main functions

Comfort

› An additional user interface can include a room thermostat in the space to be heated
› Easy commissioning: intuitive interface for advanced menu settings

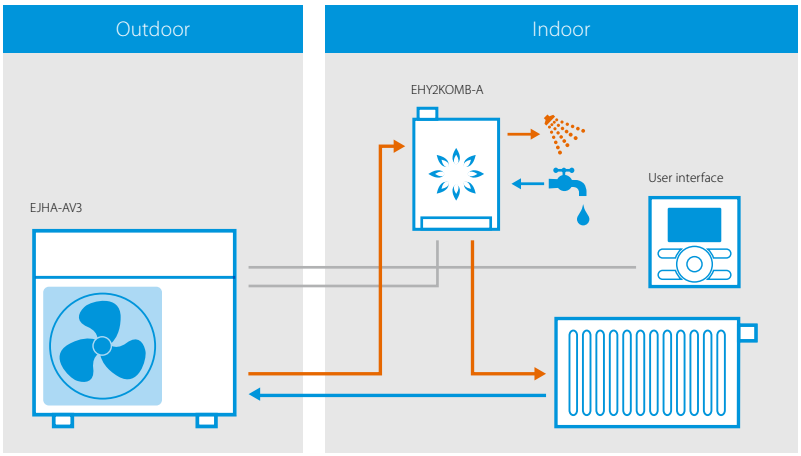
Daikin Residential Controller

The Daikin Residential Controller app is a multifaceted programme that allows customers to control and monitor the status of their heating system.

Applications

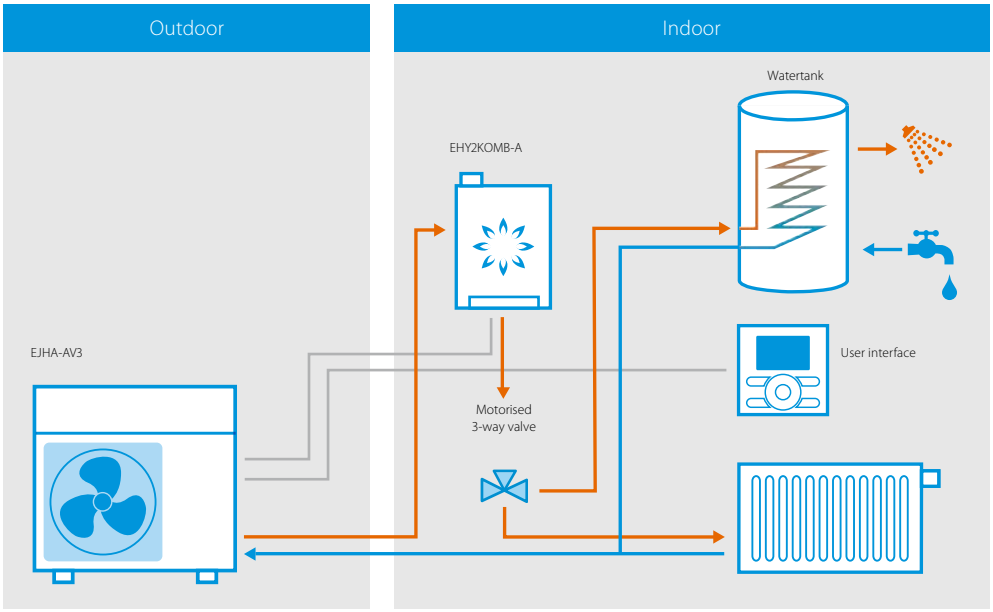
1. Standard hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



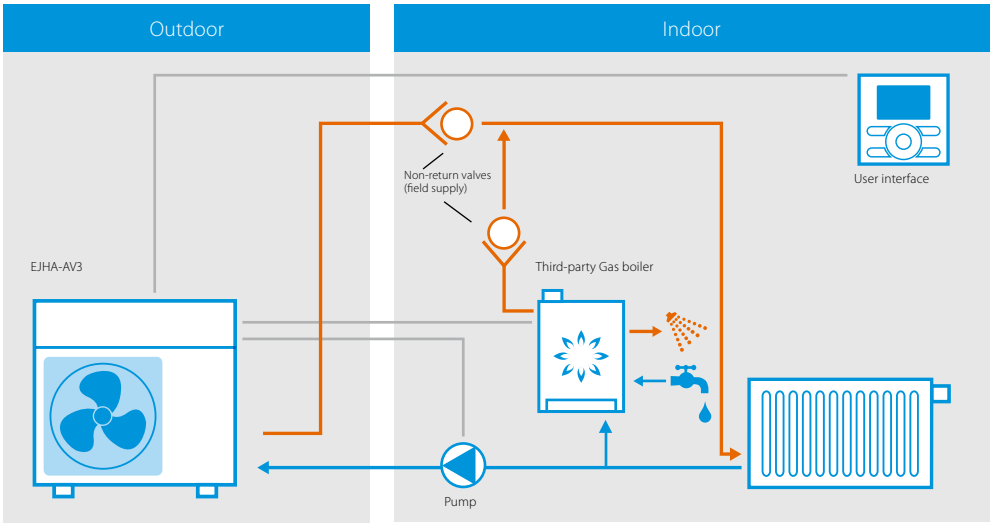
1.1 Standard hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide high quantity of domestic hot water produced either by the heat pump or by the boiler.



2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.



EHY2KOMB-A + EJHA-AV3

Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water**

› Heating only models
› Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
› Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
› Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
› Easy and fast installation thanks to the compact dimensions and water connections

A++ A R-32

011-1W0293

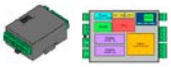
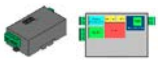
Efficiency data					EHY2KOMB28AA + EJHA04AAV3	EHY2KOMB32AA + EJHA04AAV3
Heating capacity	Nom.			kW	3.83 (1)	
Power input	Heating	Nom.		kW	0.85 (1)	
COP					4.49 (1)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26	3.28
			ηs (Seasonal space heating efficiency)	%	128	
			Seasonal space heating eff. class		A++	
	Average climate water outlet 35°C	General	SCOP		4.14	4.15
			ηs (Seasonal space heating efficiency)	%	163	
			Seasonal space heating eff. class		A++	
Domestic hot water heating	General	Declared load profile			XL	
	Average climate	ηwh (water heating efficiency)		%	87	
		Water heating energy efficiency class			A	

Indoor unit					EHY2KOMB28AA	EHY2KOMB32AA
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	8.0 / 26.3	8.3 / 30.0
	Output Pn at 80/60°C	Min/Nom		kW	7.1 / 23.1	7.4 / 26.6
	Efficiency	Net calorific value 80/60		%	97	98
	Efficiency	Net calorific value 37/30 (30%)		%	>107	
	Operation range	Min/Max		°C	30 / 90	
Domestic hot water	Output	Min/Nom		kW	7.2 / 29.1	7.6 / 32.7
	Water flow	Rate 60°C	Nom	l/min	7.5	9.0
	Water flow	Rate 40°C	Nom	l/min	12.5	15.0
	Operation range	Min/Max		°C	40/65	
Gas	Connection	Diameter		mm	15	
	Consumption (G20)	Min/Max		m^3/h	0.74 / 3.02	0.79 / 3.39
	Consumption (G31)	Min/Max		m^3/h	0.28 / 1.15	0.30 / 1.19
Supply air	Connection			mm	100	
	Concentric				1	
Flue gas	Connection			mm	60	
Casing	Colour				White - RAL9010	
	Material				Precoated sheet metal	
Dimensions	Unit	HxWxD	Casing	mm	650x450x240	710x450x240
Weight	Unit	Empty		kg	33	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230	
Electrical power consumption	Max.			W	110	
	Standby			W	2	

Outdoor unit				EJHA04AAV3
Dimensions	Unit	HxWxD	mm	745x845x329
Weight	Unit		kg	45
Compressor	Quantity			1
	Type			Hermetically sealed swing compressor
Operation range	Heating	Min.~Max.	°CWB	-15~25
Refrigerant	Type			R-32
	GWP			675
	Charge		kg	0.56
	Charge		TCO_2Eq	0.38
Sound power level	Heating	Nom.	dBA	58.7
Sound pressure level	Heating	Nom.	dBA	37
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/220-240
Current	Recommended fuses		A	20

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Options - system

Group		Description	Material name	Pair Hybrid	Add-on Hybrid
Controls		User interface: English – Dutch – Italian – French	EKRUHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO[2]	•	•
		Gateway 2: Modbus version	DCOM-LT/MB[2]	•	•
		LAN + PV Solar (installation box EKBRPA6 available)	BRP069A61	•	•
		LAN only (installation box EKBRPA6 available)	BRP069A62	•	•
		Wired room thermostat	EKRTWA	•	
		Wireless room thermostat	EKRTR1	•	
		External room sensor	EKRTETS[4]	•	
Sensor		Remote outdoor sensor	EKRSCA1[3]	•	•
Other		Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Thermistor kit for pressureless tanks	EKTH4	•	
		Bottom plate heater (dedicated type)	EKBPHT04JH	•	•
		Ball valves	EKBALLV1	•	•
		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2		•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3rd party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKDVCPLT3HX	•	
		Heat pump convector valve kit	EKVKHPC	•	•
		Freeze protection valve for field piping	AFVALVEHY2	•	•

(2): compatible with EKRUHML user interface
(3): Only 1 sensor can be connected: indoor OR outdoor sensor
(4): Can only be used in combination with the wireless room thermostat EKRTR1

Options - boiler

Accessory		Sales region	Material name	EHY2KOMB28AA	EHY2KOMB32AA
Boiler options		IT, ES, CZ, GR, PL, PT	EKFJM1A	•	
		IT, ES, CZ, GR, PL, PT	EKFJL1A		•
		FR, BE	EKFJM2A	•	
		FR, BE	EKFJL2A		•
		UK	EKFJM3A	•	
		UK	EKFJL3A		•
		DE	EKFJM6A	•	
		DE	EKFJL6A		•
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•
		DE	EKVK6A	•	•
Filling loop set		All	EKFL1A	•	•
Solar water heater connection set (cable + probe sensor)		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKHY090717	•	•
Eccentric connection Ø 80		All	EKHY090707	•	•
Dongle set (wireless connection from PC to boiler)		All	EKDS1A	•	•
Cover plates		All	EKCP1A	•	•
		All	EKHY093467(1)	•	•
Propane sets (G31)		All	EKHY075787		•
		All	EKPS075867	•	
Conversion kits (G25)		DE, BE, FR	EKPS076217	•	
		DE, BE, FR	EKPS076227		•

(1): cannot be used in combination with B-packs

	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connnection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 L=10 M	EKFGP6346
	Extension Flex PP 100 L=15 M	EKFGP6349
	Extension Flex PP 100 L=25 M	EKFGP6347
	Extension Flex PP 130 L=30 M	EKFGS0250
	Extension Flex PP 80 L=10 M	EKFGP6340
	Extension Flex PP 80 L=15 M	EKFGP6344
	Extension Flex PP 80 L=25 M	EKFGP6341
	Extension Flex PP 80 L=50 M	EKFGP6342
	Extension PP 60x500	EKFGP5461
	Extension PP/GLV 60/100 x 1000mm	EKFGP4652
	Extension PP/GLV 60/100 x 500mm	EKFGP4651
	Extension PP/GLV 80/125 x 10000mm	EKFGP4802
	Extension PP/GLV 80/125 x 500mm	EKFGP4801
	Extension P BM-Air 80x500	EKFGW4001
	Extension P BM-Air 80x1000	EKFGW4002
	Extension P BM-Air 80x2000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227

	Type	Material name
Flue gas connections	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 L=1000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connectionset 1	EKFGP6368
	Tee Flex 130 Boiler Connectionset 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

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Condensing boilers

Why choose a condensing boiler

Daikin's gas or oil condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Both the GCU compact and Wall Mounted Boiler provide end users with reliable performance and efficient heating and hot water.

Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range, but also possible with a separate thermal store featuring the ECH_20 tank.

Energy efficiency

Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 107% more energy efficiency by using renewable energy to produce hot water.

Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m^3 natural gas, 1.7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.

Flexibility

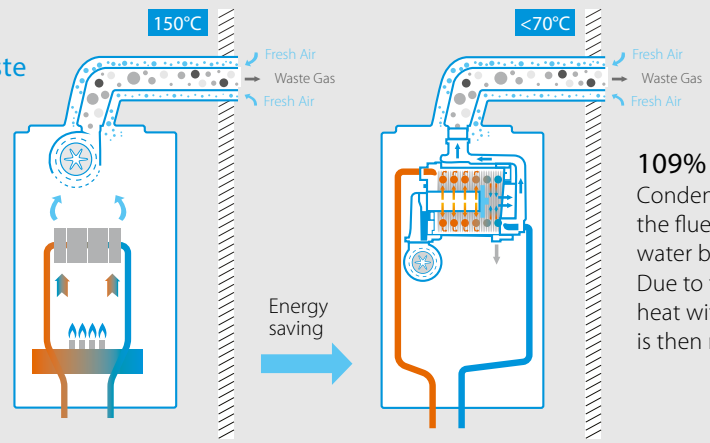
Easy installation and service

All parts are accessible from the front and are low maintenance. The flue gas installation can be adapted to all kinds of configuration thanks to its flexibility.

Energy waste

93% Efficiency

Conventional combi boilers: Water vapour is discharged through the flue in vaporising phase and latent heat within the water vapour is ignored.



109% Efficiency

Condensing combi boilers: the flue gas collides with influent water before being discharged. Due to this occurrence, latent heat within the water vapour is then released.

Daikin Altherma 3 C Gas W

Wall mounted gas condensing boiler

Why choose the Daikin gas condensing boiler?

Low weight

27 kg

Connectivity/Cloud Service

Always in control, no matter where you are.

Easy installation and service

All parts are accessible from the front.
The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space.
The Lambda Gx is compatible with wall mounted and floor standing units.

Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

- Combi boiler: solar preheating
- Heating only boiler: solar controller input

Most compact

12, 18, 24 kW:	400 x 255 x 580 mm
28, 35 kW:	450 x 288 x 666 mm

Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW

Daikin eye

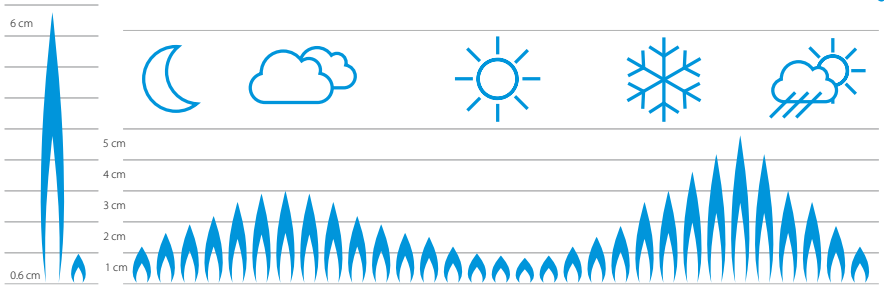
Monitor the operating status of your combi boiler with the Daikin Eye

Unique interface

- Stylish interface appeals to all end-users
- State-of-the-art technology meets user-friendly design
- The side details and convex front panel deliver an integrated view

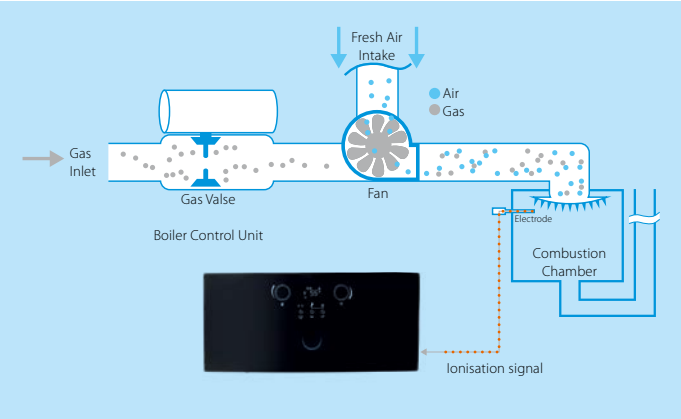
☑ High modulation rate

The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.



Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye

Blue:

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red:

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

Product features

Flue Adapter 60/100
› Factory mounted
› Compatible with top adapters/elbows of different flue gas manufacturers
› With measurement wholes for air and flue gas

Heat Exchanger
› Daikin design
› Material: Aluminium
› Modulation:
12-18-24 kW (1:4 - 1:6 - 1:8)
28-35 kW (1:4 - 1:7)

Expansion Vessel
› Integrated
› 12-18-24 kW: 8 liters
28-35 kW: 10 liters

Gas Valve
› Less maintenance needed
› Automatic gas adaptive system
› No additional parts/tools for changing from NG to LPG.

Domestic Hot Water Plate Heat Exchanger
Increased number of plates to provide faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock
Includes filter and flow restrictor
Air vent, drain tap and Internal bypass
Low energy pump

Fan
Wide modulation range
Low noise

Small gas condensing combi boiler

The smallest Combi boiler
(12-18-24 kW)

Occupies only
0.06m³

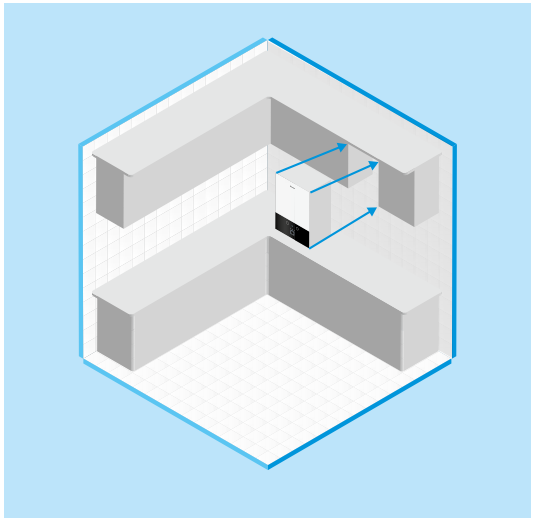
Lightweight Combi boiler
(28-35 kW)

DESIGN AWARD 2018

reddot award 2018
winner

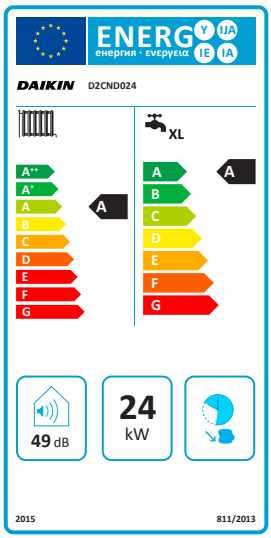
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



High energy class

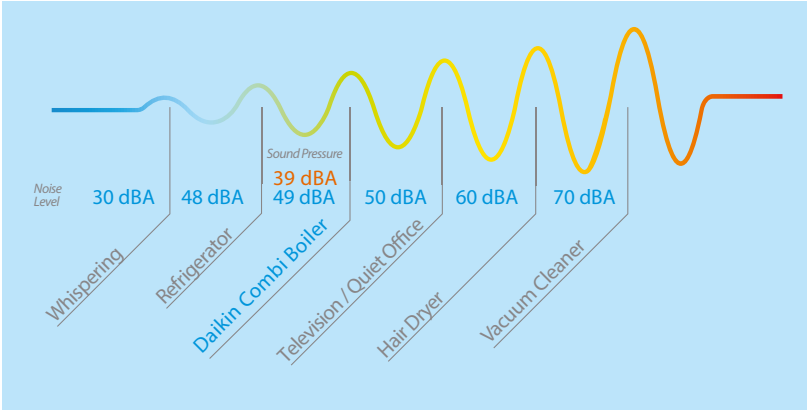
Energy Class A adheres to European ERP Standards



Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to heating a dishwasher operating in an adjacent room.

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.



Best for your home with compact dimensions

Capacity
T-Model: 12-18-24-28-35 kW.
C-Model: 24-28-35 kW.

Modulation
The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.

Full condensation
Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.

Comfort mode
The DK combi boiler is designed to provide optimal comfort levels.

Electrical Protection
Safe combi boiler with a protection class of IP5D.

Efficiency
Achieves up to 109% efficiency with full condensation.

Frequency controlled pump
The frequency control monitors power consumption to boost efficiency and save energy.

Quiet
Delivers a very low sound level that reflects the new EU standards.

Thermo regulation
The device runs the system based on data obtained from the outside temperature sensor and room thermostat.

Compact size
Measuring only 0.06 m^3, this slim, state-of-the-art design combines power with aesthetics.

High energy class
Efficiency class according to EU Ecodesign Lot1. (A)

Lambda Gx system
Superior combustion technology delivers unparalleled efficiency and energy savings.

Premix combustion
Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.

Lcd display
Eye-catching and user-friendly design.

Double heat exchanger
The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.

Easy maintenance
Details in design allows for easy maintenance.

Daikin Residential controller via app
Control your indoor unit from any location via app (optional WLAN adapter)

Daikin Altherma 3 C Gas W

Supremely compact gas condensing boiler

- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- Easy to service: all parts are accessible by only removing the front panel
- High heating efficiency up to 108%
- High modulating range 1:8 : the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- Combine it with solar heating for even better energy efficiency
- C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water
- T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler
- A1 model means that the filling loop is internal
- A4 model means that the filling loop is external

D2CND

Indoor unit				D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/27	4.8/34	2.9/23.5	4.8/27	4.8/34
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	3.2/12.4	3.2/18.9	3.2/26.1	5.3/30	5.3/37.8	3.2/26.1	5.3/30	5.3/37.8
	Output Pn at 80/60°C	Min/Nom		kW	2.8/10.9	2.8/16.6	2.8/22.8	4.6/26.3	4.6/33.2	2.8/22.8	4.6/26.3	4.6/33.2
	Output Pnc at 50/30°C	Min/Nom		kW	3.1/12.0	3.1/18.0	3.1/24.0	5.2/28.2	5.2/35	3.1/24.0	5.2/28.2	5.2/35
	Water pressure (PMS)	Max		bar	3							
	Water temperature	Max		°C	100							
	Efficiency	Net calorific value		%	98.6	98.2	97.9	98.2		97.9	-	-
	Operation range	Min/Max		°C	30/80							
	Piping connections				19 (3/4") Male							
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/29.5	4.8/34	2.9/23.5	4.8/29.5	4.8/34
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	3.2/12.4	3.2/18.1	3.2/26.1	5.3/32.7	5.3/37.7	3.2/26.1	5.3/32.7	5.3/37.7
	Domestic hot water threshold			l/min	-			2.5		2.0	2.5	
	Temperature	Factory setting		°C	50							
	Operation range	Min/Max		°C	35/60							
Piping connections				mm	19 (3/4") Male							
Connection diameter for heat flow and return				mm	12.7 (1/2") Male							
Gas	Connection diameter			mm								
	Gas connection diameter			mm	19 (3/4") Male							
	Consumption (G20)		Min/Max	m^3/h	0.31/1.18	0.31/1.80	0.31/2.48	0.511/2.89	0.511/3.63	0.31/2.48	0.511/2.89	0.511/3.63
	Consumption (G25)		Min/Max	m^3/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19
	Consumption (G31)		Min/Max	m^3/h	0.12/0.46	0.12/0.69		0.2/1.1	0.2/1.38	0.12/0.96	0.2/1.1	0.2/1.38
Supply air	Connection			mm	100							
	Concentric				1							
Flue gas	Connection			mm	60							
Space heating	General	ηs (Seasonal space heating efficiency)		%	93							
		Seasonal space heating eff. class			A							
Domestic hot water heating	General	Declared load profile			-					XL		
		ηwh (water heating efficiency)		%	-					85		83
		Water heating energy efficiency class			-					A		
Casing	Colour				Titanium White (Ral9003)							
	Material				Sheet metal			Powder painted galvanised steel plate		Sheet metal	Powder painted galvanised steel plate	
Dimensions	Unit	Height x Width x Depth	Casing	mm	590x400x256			690x440x295		590x400 x256	690x440x295	
Weight	Unit	Empty		kg	27			36		27	37	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			1~/50/230			1~/50/230	
Electrical power consumption	Max.			W	86			92	112	86	92	112
	Standby			W	3.5			2.7		3.5	2.7	

Options

Category		Description	Material Nr
Controls		Outdoor sensor	150042
		Solar Temperature Sensor	DRSLRTESENSAA
		Daikin OT+ room thermostat	DOTROOMTHEAA
		Communication gateway	DRGATEWAYAA
System control - Cascade		Cascade Controller (E8.5064 V1)	DRCASCACONTAA
		Zone Controller (E8.1124)	DRZONECCONTAA
		CoCo OT-CAN Adapter	DRCOCOADPTRAA
		Lago CAN BUS room thermostat	DRCBROOMTHEAA
		Flow temperature sensor (Cascade)	DRFLWTESENSAA
		Outdoor temperature sensor (Cascade)	DRODRTESENSAA
		Storage Tank Temperature Sensor (Cascade)	DRSTKTESENSAA
Flue gas		Connector Elbow PP 60/100 + MP(0mm)	DRMEEA60100BA
		Twin Box Adapter 80/80 + MP(0mm)	DRDECOP8080BA
		Vert. Conn. 60/100-80/125 + MP(0mm)	DRDECO80125BA
Mechanical		Cover plate (12-18-24 kW)	DRCOVERPLATAA
		Cover plate (28-35 kW)	DRCOVERPLA2AA
		Antifreezing set	DRANTIFREEZAA
Valve kit		Valve Kit C1 - 90° valves	DRVALVEKIC1AA
		Valve Kit C2 - 90° valves	DRVALVEKIC2AA
		Valve Kit T1 - 90° valves	DRVALVEKIT1AA
		Valve Kit T2 - 90° valves	DRVALVEKIT2AA
Pump Groups & Other		Seperator for mud and magnetit	SAS1 156021
		Seperator for mud and magnetit	IT.DEFANG-TP
		Seperator for mud and magnetit	IT-DEFANG-OT
		Unmixed Pump Group	DRUPUMPGRUPAA
		Mixed Pump Group	DRMPUMPGURPAA
For service		Service box	DRSERVCBOX1AA - 5020177

Daikin Altherma C Gas W

High efficiency gas condensing boiler for heating and hot water

- High efficiency gas condensing boiler
- Top efficiency gas condensing boiler thanks to labyrinth fin heat exhanger for improved heat exchange
- Low running costs for both heating and hot water thanks to new dual heat exchanger
- Maximum heating comfort and domestic hot water when it is most needed
- Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components

Indoor unit					EHOB	G12A	G18A	12AH	18AH	42AH
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.8/12.5	5.6/18.7	3.5/11.8	5.6/18.7	7.8/42.5
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		4.2/13.9	6.2/20.8	3.9/13.1	6.2/20.8	8.7/47.2
	Output Pn at 80/60°C	Min/Nom		kW		-/12.2	-/18.2	3.4/11.5	5.4/17.8	7.7/40.9
	Output Pnc at 50/30°C	Min/Nom		kW		-/-		3.8/12.0	5.9/18.7	8.5/42.2
	Water pressure (PMS)	Max		bar		3				
	Water temperature	Max		°C		90				
	Operation range	Min/Max		°C		30/90				
Gas	Connection	Diameter		mm		15				
	Consumption (G20)	Min/Max		m^3/h		0.36/1.30	0.58/1.94	0.36/1.22	0.55/1.94	0.81/4.41
	Consumption (G25)	Min/Max		m^3/h		0.42/1.50	0.67/2.25	0.42/1.42	0.64/2.25	0.94/5.10
	Consumption (G31)	Min/Max		m^3/h		0.14/0.49	0.22/0.74	0.14/0.47	0.21/0.74	0.31/1.68
Supply air	Concentric					60/100				
Flue gas	Connection			mm		60				
Space heating	General	ηs (Seasonal space heating efficiency)		%		92			91	
		Seasonal space heating eff. class				A				
Casing	Colour					White - RAL9010				
	Material					Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth	Casing	mm		590x450x240				710x450x240
Weight	Unit	Empty		kg		30				36
Power supply	Phase/Frequency/Voltage			Hz/V		1/50/230				
Electrical power consumption	Max.			W		80				135
	Standby			W		2				4

Indoor unit					EKOMB	22AH	28AH	33AH	G22A	G28A	G33A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		5.6/18.7	7.1/23.7	7.2/27.3	5.5/23.3	7.1/29.1	7.6/32.7
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		6.2/20.8	7.9/26.3	8.0/30.3	6.1/25.9	7.9/32.3	8.4/36.3
	Output Pn at 80/60°C	Min/Nom		kW		-/17.8	-/22.8	-/26.3	-/22.7	-/28.4	-/32.1
	Water pressure (PMS)	Max		bar		3					
	Water temperature	Max		°C		90					
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		5.6/22.1	7.1/28.0	7.2/32.7	5.5/23.3	7.1/29.1	7.6/32.7
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		6.2/24.6	7.9/31.1	8.0/36.3	6.1/25.9	7.9/32.3	8.4/36.3
	Domestic hot water threshold			l/min		2.0			-		2.0
	Temperature	Factory setting		°C		60					
	Operation range	Min/Max		°C		40/65					
Gas	Connection	Diameter		mm		15					
	Consumption (G20)	Min/Max		m^3/h		0.58/2.29	0.74/2.91	0.75/3.39	0.58/2.42	0.74/3.02	0.79/3.39
	Consumption (G25)	Min/Max		m^3/h		0.67/2.65	0.85/3.26	0.86/3.93	0.62/2.82	0.84/3.46	0.89/3.92
	Consumption (G31)	Min/Max		m^3/h		0.22/0.87	0.28/1.11	0.28/1.29	0.21/0.94	0.29/1.19	0.30/1.29
Supply air	Concentric					60/100					
Flue gas	Connection			mm		60					
Space heating	General	ηs (Seasonal space heating efficiency)		%		91	92	93	91	92	93
		Seasonal space heating eff. class				A					
Domestic hot water heating	General	Declared load profile				L	XL		L	XL	
		ηwh (water heating efficiency)		%		78	81		90	83	84
		Water heating energy efficiency class				A					
Casing	Colour					White - RAL9010					
	Material					Precoated sheet metal					
Dimensions	Unit	Height x Width x Depth	Casing	mm		590x450x240	650x450x240	710x450x240	590x450x240	650x450x240	710x450x240
Weight	Unit	Empty		kg		30	33	36	30	33	36
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230					
Electrical power consumption	Max.			W		80					
	Standby			W		2					

(1) Setpoint 40°C (2) Setpoint 60°C

Options

	Type	Material name	Condensing boilers							
			EKOMB*						EHOB*	
			Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW
Controls	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•
	Dongle set	EKDS1A	•	•	•	•	•	•	•	•
Installation	Cover plate 35	EKCP1A	•	•	•	•	•	•	•	•
	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•
Sensor	Outdoor sensor	EKOSK1A	•	•	•	•	•	•	•	•
Valve	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•
	Valve kit (DE)	EKVK5A						•	•	
	Valve kit (DE)	EKVK6A	•	•	•	•	•			
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•
B-pack	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•	•				•	•	
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•				
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A					•			•
	B-pack for combi (FR, BE)	EKFJS2A	•	•						
	B-pack for combi (FR, BE)	EKFJM2A			•	•				
	B-pack for combi (FR, BE)	EKFJL2A					•			•
	B-pack for combi (UK)	EKFJS3A	•	•						
	B-pack for combi (UK)	EKFJM3A			•	•				
	B-pack for combi (UK)	EKFJL3A					•			
	B-pack for combi (DE)	EKFJS4A						•	•	
	B-pack for combi (DE)	EKFJS6A	•	•						
	B-pack for combi (DE)	EKFJM6A			•	•				
	B-pack for combi (DE)	EKFJL6A					•			
Propane set		EKHY075787	•							
		EKPS075867				•	•			•
		EKPS075877	•							
		EKPS075917						•		
Conversion set		EKPS076197						•		
		EKPS076207	•						•	
		EKPS076217		•	•				•	
		EKPS076227		•			•			•
Flue gas	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•
	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•			
Others	Concentric connection (Ø 80/125)	EKHY090717								
	Eccentric connection (Ø 80)	EKHY090707								
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•			

Daikin Altherma C Gas ECH_2O

Floor standing gas condensing boiler

Combines modern gas condensing technology with a thermal store

Why choose the Daikin floor standing boiler?

The unit combines modern gas condensing technology with a pressure less thermal store. Customers achieve the highest heating comfort, maximum water hygiene and a small installation footprint.

Multifaceted
Combine with solar and another heat source

Highest hygiene
Complies with superior standards for water sanitation

Connectivity
Features a wireless connection

High DHW Tapping Profile
(3xx = L) and (5xx = XL)

Attractive design

Compact measurements
3xx: 595 x 615 x 1896 mm
5xx: 790 x 790 x 1896 mm

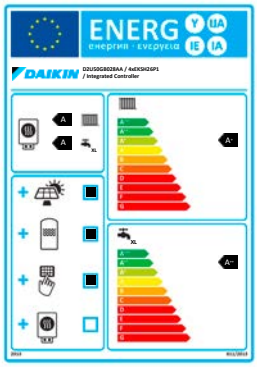
High efficiency
Delivers over 107% more energy efficiency with ISM/Smart Start Function

Easy installation and service

Lambda Gx
Fully electronic and accessible gas-air combination

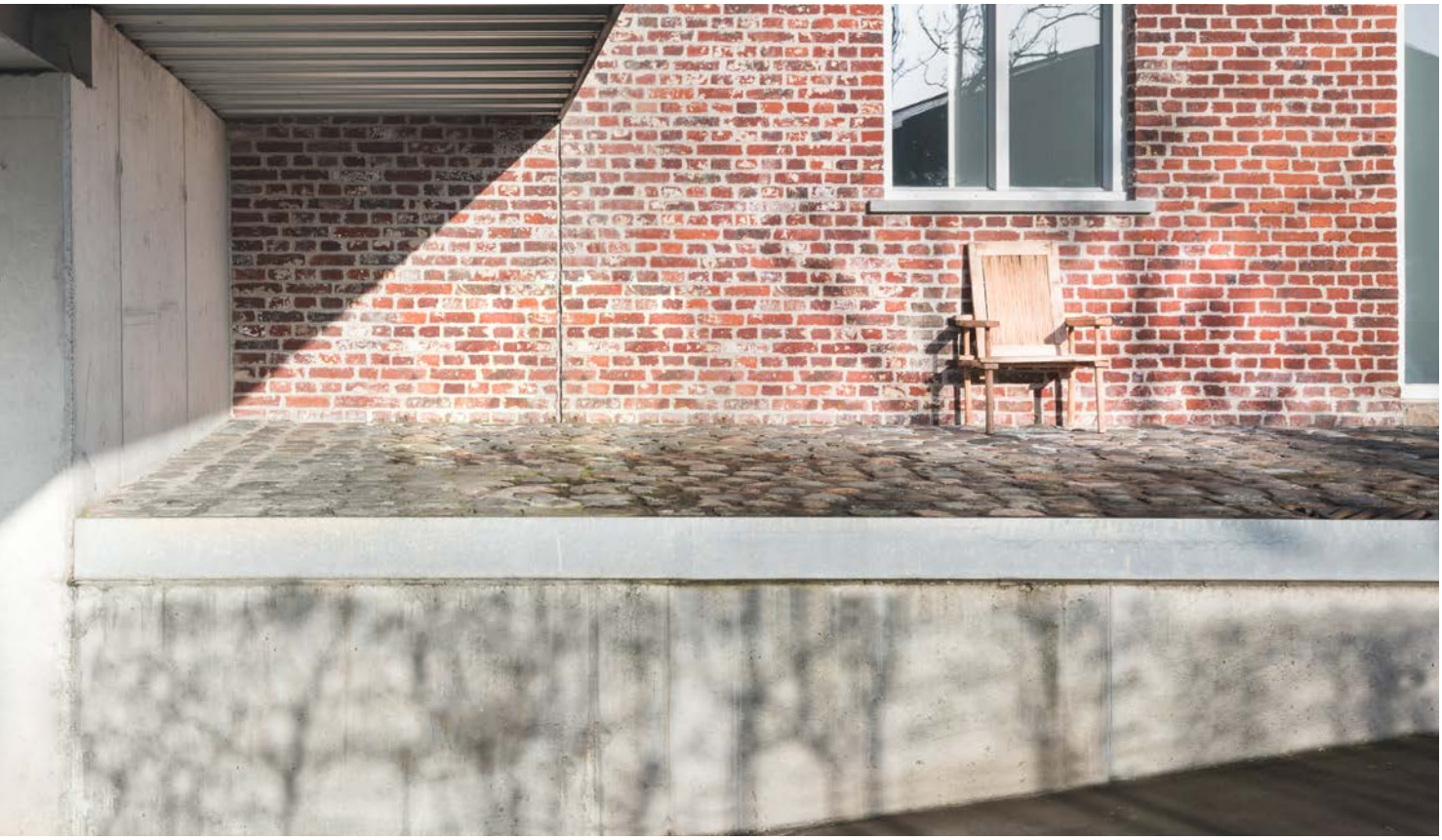
Energy efficiency
All models reach the energy label A

For example:
D2U50GB028AA / 4xEKSH26P1 / Integrated controller

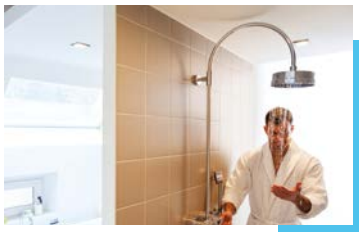


Benefits

- Thermal store with hygienic fresh water technology
- Space-saving design: gas boiler and hygienic thermal store are combined in one device
- Future-proof and flexible: direct combination with a solar system is possible and can be added any time
- Highest heating comfort is customised for your home
- Power output 500 kW to 28 kW through Intelligent Storage Management (ISM)



Technological advantage



Health
Integrated thermal storage with hygienic fresh water technology

More space for living
Small footprint while combining a condensing boiler and a thermal store

Fit for the future
Hybrid system. The efficient thermal store can be used with additional heat generators

Daikin Altherma C Gas ECH$_2$O

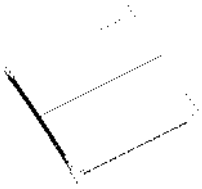
Combining modern gas condensing technology with a thermal store in a floor standing application

- Space-saving gas condensing boiler with integrated heat / solar storage
- Auto Adaptive Lambda Gx combustion technology for all gas types
- Universal use thanks to intelligent store management and a power output of 0.5 - 28 kW
- High heat and DHW comfort with integrated ECH$_2$O Thermal store: fresh water hygiene technology
- Easy integration of thermal solar and a further additional heat generator
- Note: Solar controller (shown on picture) is an option, not standard on boiler

					D	2U30GC015A	2U30GC020A	2U50GC015A	2U50GC020A	2U50GC024A	2U50GC028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output Pn at 80/60°C	Min/Nom		kW		2.9/14.6	2.9/19.5	2.9/14.6	2.9/19.5	3.9/23.4	3.9/27.2
	Output Pnc at 50/30°C	Min/Nom		kW		3.2/15.7	3.2/20.9	3.2/15.7	3.2/20.9	4.3/25.0	4.3/29.1
	Water pressure (PMS)	Max		bar				3			
	Water temperature	Max		°C				85			
	Operation range	Min/Max		°C				10/85			
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output	Min/Nom		kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Temperature	Factory setting		°C				58			
	Operation range	Min/Max		°C				10/70			
Piping connections	Cold in-Hot out			Inch				G 1" (male)			
Gas	Connection	Diameter		mm				20			
	Consumption (G20)	Min/Max		m^3/h		0.32/1.59	0.32/2.11	0.32/1.59	0.32/2.11	0.42/2.54	0.42/2.96
	Consumption (G25)	Min/Max		m^3/h		0.35/1.75	0.35/2.33	0.35/1.75	0.35/2.33	0.47/2.80	0.47/3.26
	Consumption (G31)	Min/Max		m^3/h		0.16/0.62	0.16/0.82	0.16/0.62	0.16/0.82	0.27/0.98	0.27/1.15
Supply air	Connection			mm				100			
	Concentric							1			
Flue gas	Connection			mm				60			
Water circuit	Piping connections			Inch				G 1" (female)			
Space heating	General	ηs (Seasonal space heating efficiency)		%		91	92	91	92	92	92
		Seasonal space heating eff. class						A			
Domestic hot water heating	General	Declared load profile				L		XL		XL	
		ηwh (water heating efficiency)		%		77	77	84	82	84	84
		Water heating energy efficiency class						A			
Casing	Colour							Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material							-			
Dimensions	Unit	HeightxWidthxDepth Casing		mm		1,895x595x615		1,895x790x790		1,895x790x790	
Weight	Unit	Empty		kg		76		102		104	
Power supply	Phase/Frequency/Voltage			Hz/V				1~/50/230			
Electrical power consumption	Max.			W		76	98	76	98	104	108
	Standby			W				3			
Drain-back solar	Piping connections	solar-flow		Inch				G 1" (female)			

					D	2U30GB015A	2U30GB020A	2U50GB015A	2U50GB020A	2U50GB024A	2U50GB028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output Pn at 80/60°C	Min/Nom		kW		2.9/14.6	2.9/19.5	2.9/14.6	2.9/19.5	3.9/23.4	3.9/27.2
	Output Pnc at 50/30°C	Min/Nom		kW		3.2/15.7	3.2/20.9	3.2/15.7	3.2/20.9	4.3/25.0	4.3/29.1
	Water pressure (PMS)	Max		bar				3			
	Water temperature	Max		°C				85			
	Operation range	Min/Max		°C				10/85			
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output	Min/Nom		kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Temperature	Factory setting		°C				58			
	Operation range	Min/Max		°C				10/70			
Piping connections	Cold in-Hot out			Inch				G 1" (male)			
Gas	Connection	Diameter		mm				20			
	Consumption (G20)	Min/Max		m^3/h		0.32/1.59	0.32/2.11	0.32/1.59	0.32/2.11	0.42/2.54	0.42/2.96
	Consumption (G25)	Min/Max		m^3/h		0.35/1.75	0.35/2.33	0.35/1.75	0.35/2.33	0.47/2.80	0.47/3.26
	Consumption (G31)	Min/Max		m^3/h		0.16/0.62	0.16/0.82	0.16/0.62	0.16/0.82	0.27/0.98	0.27/1.15
Supply air	Connection			mm				100			
	Concentric							1			
Flue gas	Connection			mm				60			
Water circuit	Piping connections			Inch				G 1"			
Space heating	General	ηs (Seasonal space heating efficiency)		%		91	92	91	92	92	92
		Seasonal space heating eff. class						A			
Domestic hot water heating	General	Declared load profile				L		XL		XL	
		ηwh (water heating efficiency)		%		77	77	84	82	84	84
		Water heating energy efficiency class						A			
Casing	Colour							Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material							-			
Dimensions	Unit	HeightxWidthxDepth Casing		mm		1,895x595x615		1,895x790x790		1,895x790x790	
Weight	Unit	Empty		kg		78		104		106	
Power supply	Phase/Frequency/Voltage			Hz/V				1~/50/230			
Electrical power consumption	Max.			W		76	98	76	98	104	108
	Standby			W				3			
Drain-back solar	Piping connections	solar-flow		Inch				G 1"			

Gas condensing/solar combination

		Regulation accessories	Type	Order No.
Room controller		Convenience controller with wall-mounting for use as a) A remote control (external equipment controller) b) Mixer unit (additional or standalone) c) Room thermostat for heat exchanger	RoCon U1	15 70 34
Mixer module		Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS	RoCon M1	15 70 68
Outdoor temperature sensor for RoCon convenience regulation		In conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution	RoCon OT1	15 60 70
Gateway		For coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .	RoCon G1	15 70 70 (Daikin brand)
Gateway		For coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .	RoCon G1	15 70 56 (Rotex brand)
Flue-gas kit GCU compact		Double-walled connection set of 2x45° elbows with connection extender from DN60 / 100 to DN80 / 125.	Set GCU1	15 50 79.17
Double-walled test adapter DN 60/100		Accessories if no standard flue gas connection (Set GCU 1) is used.	D6 PA	24 60 11
Single-walled test adapter DN 60		Accessories for room-air independant operation if no standard flue gas connection (Set GCU 1) is used.	E6 PA	24 60 12
Pump Group with mixer		For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.		15 60 75
Pump group without mixer		For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWMcontrolled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.		15 60 77
Fittings kit for mixer group MK1/MK2		1" female thread x 1 1 / 2 " flat-sealing.	VMK1	15 60 53
Convection brake		To prevent circulation under gravity in Sanicube water circuits with Drain-Back, 2 pcs., suitable up to 95 °C, for installation in any tank-side heat exchanger connections except pressure solar heat exchanger	SKB	16 50 70
Sludge and magnetite separator		Compact sludge separator with drain cock and thermal insulation. Input G1-IG (union nut), outlet G1-IG.	SAS1	15 60 21

Note: To avoid gravity circulation, in water circuits connected to the storage tanks, the installation of circulation brakes (for example, type SKB) is recommended. Please order separately if required.

Daikin Altherma C Oil

Bringing oil heating into the 21st century

Why choose the Daikin oil condensing boiler?

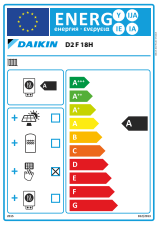
Higher efficiency

Daikin's oil condensing technology is a worthwhile investment

Choosing the right boiler for replacing your oil heating system is a long-lasting decision. Over the years, the cost of fuel will largely exceed the boiler's initial purchase price. Therefore, this is where the Daikin Altherma C Oil can help you making the biggest savings.

The Daikin Altherma C Oil reaches the maximum efficiency labels

All Daikin products are tested and proven to meet criteria set by the EU Ecodesign Directive. We guarantee our individual products and packaged solutions offer maximum convenience, while upholding the highest safety standards.



Advanced oil heating system

The modern Daikin Altherma C Oil will fit seamlessly into your home. Its condensing technology minimizes emissions, is very easy to operate and converts fuel into available heat with virtually no losses. The higher efficiency reduces oil consumption and allows for installing smaller oil storage tanks, which are fitted with odour barriers.

Best-in-class modulation range

A boiler with a wide modulation range

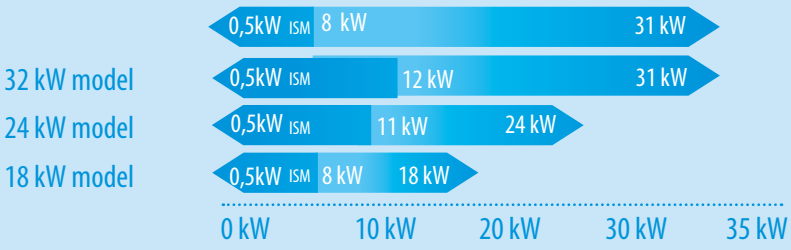
The heat demand of a building varies widely depending on weather conditions and utilisation patterns.
The modulating A2 constantly adjusts its output in line with demand. This ensures optimum energy utilisation.
It has a particularly large modulation range of 1:2,5.
This can even be broadened to 1:64.

Go further with Intelligent Store Management

The Daikin Altherma C Oil can deliver 0-100 percent output to meet demand and provide continuous heat distribution in combination with Daikin's thermal stores. The thermal store volume serves as an active buffer also for space heating. Further optimisation is possible with ISM: even the lowest heat requirements of 500 watts or more can be covered, while producing as much hot water as you need. Frequent on/off switches are wavoided by optimising the oil condensing boiler's burner runtimes. Fewer burner starts mean much lower emissions of harmful substances and increased energy efficiency.

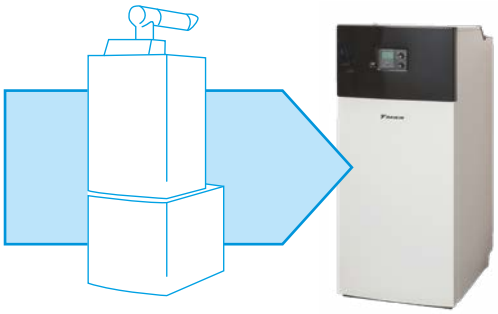
With this optimisation, the Daikin Altherma C Oil is well able to meet the steadily increasing need for a constant and immediate supply of hot water – especially with the trend for ever more luxurious bathrooms and multiple shower units in our homes, but decreasing heating requirements as building insulation improves.

Capacities Range



Fit for any replacement

The Daikin Altherma C Oil is ideally suited to replace older boilers, thanks to the great flexibility it offers when integrated into existing systems, plus its low weight and compact dimensions.



How you can benefit from the Daikin Altherma C Oil

Outstanding efficiency

- Energy saving condensing technology
- Optimum heat transfer due to innovative flue gas turbulators in the boiler body

Space saving

- Small installation area of 0.42 m²
- Oil tanks designed to site safely beside the boiler

Innovative technology

- Next generation modulating burner (1:2.5)
- ISM offers modulation of 1:64 from 0,5 to 32 kW and intelligent storage management
- Intuitively operated electronic control unit
- Ready for bio-oil (B10) and all commercially available fuel oils

Meets your needs

- Ideal for replacing an existing oil boiler
- Straightforward chimney refurbishment
- Easy maintenance
- Odour-proof flexible pipes prevent the smell of fuel oil
- If used with a Daikin thermal store, possibility of direct combination with our solar thermal system or woodburning stove with back boiler

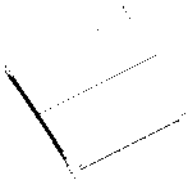
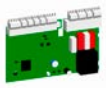
D9HA2-A

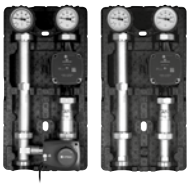
Daikin Altherma C Oil

D9HA2-A

Indoor unit					D	9HA2018A	9HA2024A	9HA2032A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max		kW	8.5 /18.2	10.9 /24.7	12.8 /32.2
	Heat input Qn (gross calorific value)	Nom	Min/Max		kW	9.0 /19.3	11.6 /26.2	13.6 /34.1
	Output Pn at 80/60°C	Min/Nom			kW	8.3 /17.7	10.6 /24.1	12.5 /31.4
	Water pressure (PMS)	Max			bar		3	
	Water temperature	Max			°C		85	
Supply air	Connection				mm		125	
	Concentric						1	
Space heating	General	ηs (Seasonal space heating efficiency)			%	91,2	81,8	92
		Seasonal space heating eff. class					A	
Casing	Colour						White + Black	
	Material						Aluminium	
Dimensions	Unit	H x W x D	Casing		mm		1,360x606x754	
Weight	Unit	Empty			kg	122	136	127
Power supply	Phase/Frequency/Voltage				Hz/V		1~/50/230	

Options

		Accessories	Order No.
Room controller RoCon U1		Convenience controller with wall-mounting for use as: a) A remote control (external equipment controller) b) Mixer unit (additional or standalone) c) Room thermostat for heat exchanger	15 70 34
Mixer module RoCon M1		Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS	15 70 68
Outdoor temperature sensor RoCon OT1 for RoCon convenience regulation		In conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution.	15 60 70
Gateway RoCon G1		For coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP)	15 70 56
Storage tank sensor for RoCon DT1 comfort control		Suitable for all A2 oil condensing boilers	15 60 68
Mixing PCB		Can be placed inside the boiler PCB. Same functions as external mixing module but without plastic cover (PCB only).	DRMIXINGPCBA
Flue gas Kit		To connect flue gas outlet on the bottom side of the boiler	DRFLUEGAKITA
Valve Kit		Content: 3WV with internal piping/connection valves to install inside housing to connect DHW storage tank	DRVALVEKITA2A
Smart start kit		Content: 2 mixing valves with internal piping/connection valves, flow sensor, additional temperature sensor. Kit can be installed inside housing. In combination with storage tank, this valve kit provides following functions: heating support, smartstart, electronical bypass, flow control, DHW/CH, thermal energy metering.	DRSMASTAKITA
Internal expansion vessel		Content: 12 L expansion vessel including piping and holder to Intsall kit inside casing	DREXPAVES12A
Sludge and magnetite separator SAS1		Compact sludge separator with drain cock and thermal insulation. Input G1-IG (union nut), outlet G1-IG.	15 60 21
Water purification system Bambini		With mounting bracket and backflow preventer. For demineralisation of tap water. Fields of application are heating water, cooling water, battery water and rinsing technology. Operating pressure 2-8.6 bar, temperature range 4-30°C. For approx. 350L system volume. Not suitable for drinking water purification.	15 30 47
Replacement cartridge EK Bambini		Usable for water purification system Bambini	15 30 48
Cleaning brush			DRCLEANBRUSA

		Accessories	Order No.	
Condensate box		Not needed in all cases. Depends on local regulation and used oil type. Based on that free decision who will use. Option, but will fit inside the unit	DRCONDENBOXA	
Material refill: Granulate			DRCONDENREFA	
Oil-bleeder TOP 2		With integrated filter (multiple filter) and block valve. Working overpressure max 0,7 bar, filter 20-35 µm, return flow max. 120 L/h.	15 60 79	
Pump group		For a mixed and unmixed heating circuit. Pre-assembled, leakage tested and thermally insulated assembly group. Incl. temperature indicator and arrangeable gravity brake. With Grundfoss pump UPM 3 hybrid 25 - 70/80. Pin G1, without PWM-cable. **Pump group with mixer (DRMPUMPGURPAA)** **Pump group without mixer (DRUPUMPGURPAA)**	 15 60 75 15 60 77	
Screwing set for the pump group		1 " IG x 1 1 / 2 " flat sealing	15 60 53	
Heating circuit distributor 2-fold with integrated hydraulic diverter		A distributor which combines the function of a hydraulic diverter and a distributor. Applied in heating and air-conditioning systems, it enables the regulation of different lines. Separate lateral connections, incl. wall bracket and performed sound insulation. Combinable with pump group 15 60 75 or 15 60 77	15 60 78	
Hydraulic separator HW2500		Low loss header HW2500 with performed insulation and drain valve, for vertical installation, input/output G1 IG (DN 25), with union nut, flow-rate up to 2,500L. Function: - Hydraulic separation - Ventilation - Sludge separation - Detachement of magnetic particles	15 60 25	
Sludge and magnetite separator SAS2		Compact sludge separator with drain cock and thermal insulation. Input G1-IG.	15 60 23	
Hydraulic diverter HWC - DN 125 for up to 3 heat generators		Consisting of DN 125 round pipe sub-divided into four zones (using perforated separator discs, length approx. 1550mm), equipped with 8 x heating circuit connections 1" male thread, and a 1 x 1/2" sleeve and standing foot. Max. permissible operating pressure: 6 bar, max. permissible temperature: 110 °C.	17 29 00	
Thermal insulation WHWC for hydraulic diverter		Thermal insulation in accordance with EnEV, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	17 29 01	
VA-Oil feeding line		PEX-AL compound pipe as oil supply line approved by the building supervision authorities in the DIBT test. Test mark of the building supervision authority: Z-40.23-331. Thick-walled PEX inner piper with butt-welded alumninium covering and silver-grey PE-external layer. Due to the aluminium covering 100% diffusion tightness. Neutral to heating oil, prevents degradation in the heating oil. Type of delivery: Ring coil packaged in box.		
VA Oil pipe		Ø 12 x 3	60 m	17 06 31
Screw connection VA-Oil		To connect the oil feed pipe VA-oil to the extraction armature and to the oil filter. Clamping ring screwed fitting made of brass or parts in contact with oil made of stainless steel. Suitable for VA-Oil pipe Ø 12 x 3, connecting thread 3 / 8" male thread. Test mark of the building supervision authority: Z-40.23-331		
Screw connection VA-Oil			10 pc.	17 80 13
Connect VA-Oil		10 m PEX-AL compound pipe as an oil-conveying line with two screwed connection fittings 12 x 3 - 3 / 8" male thread	10 m	17 06 32

Flue-gas evacuation system

Hybrid heat pump

Daikin Altherma R/H Hybrid

Oil condensing boiler

Daikin Altherma C Oil

Floor standing gas condensing boiler

Daikin Altherma C Gas ECH_2O

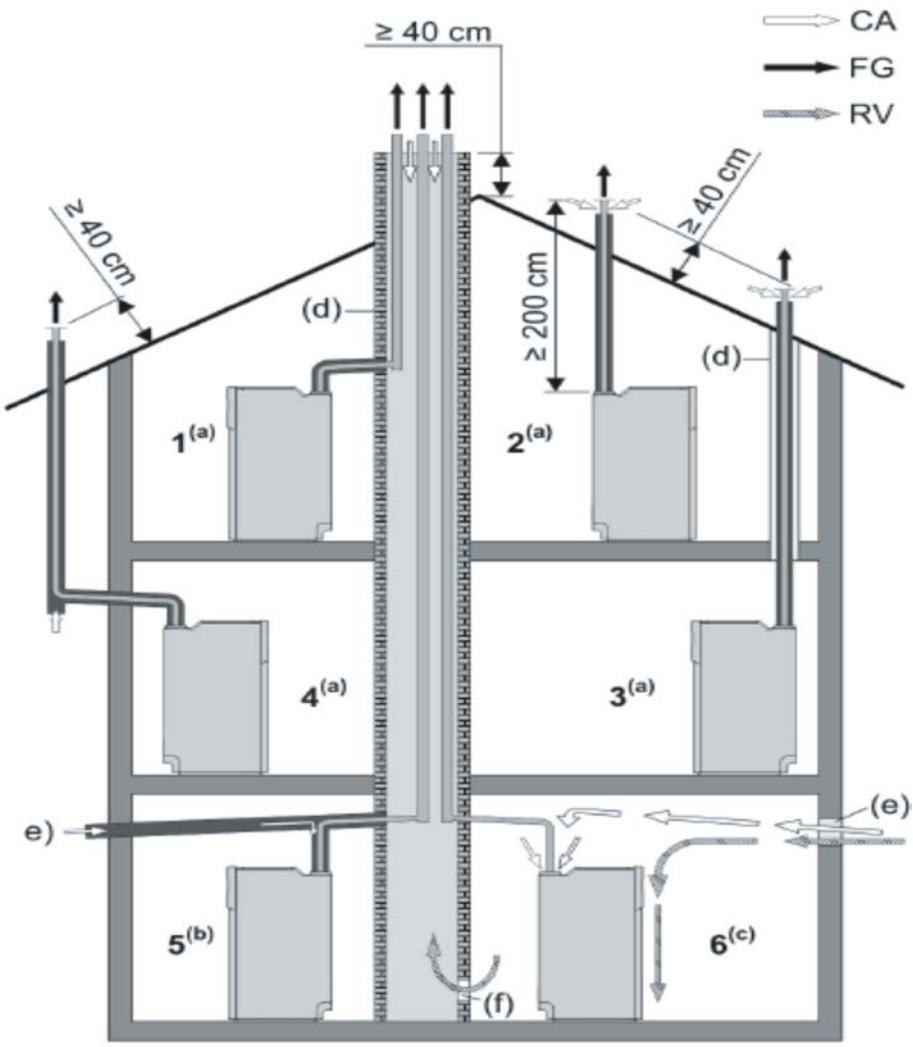
Wall mounted gas condensing boilers

Daikin Altherma C Gas W
Daikin Altherma 3 C Gas W

Daikin Altherma C Oil overview

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.

Connection variant for Very High Energy Performance (condensing technology) oil boilers, Daikin Altherma C Oil range.



1-6 Daikin Altherma C Oil variants
CA Air (combustion) inlet
FG Flue gas
RV Ventilation
a Variant for suction connection (flue gas/concentric air inlet)
b Variant for partial suction connection (flue gas/separated air inlet)
c Variant for connection dependent on ambient air
d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!
e Ventilation opening (1x150 cm^2 or 2x75 cm^2)
f Ventilation (150 cm^2)

- All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed.
- Treatment of condensate: neutralization is essential in all cases for Very High Energy Performance (condensing technology) oil-fired boilers using EL standard oil. Neutralization may not be needed if low-sulfur fuel oil is used. Respect the local regulations!

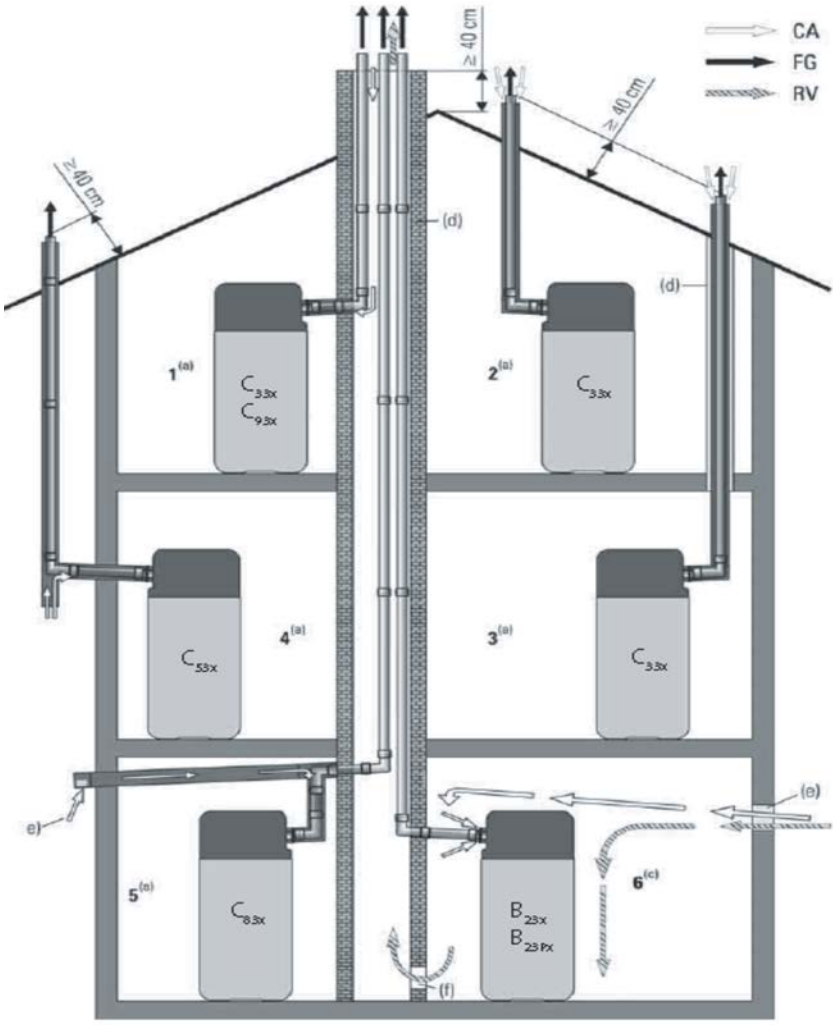
*) Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2.

Flue-gas evacuation system

Overview of Daikin Altherma C Gas ECH$_2$O

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.

Connection variants for Very High Energy Performance (condensing technology) Daikin Altherma C Gas ECH$_2$O.



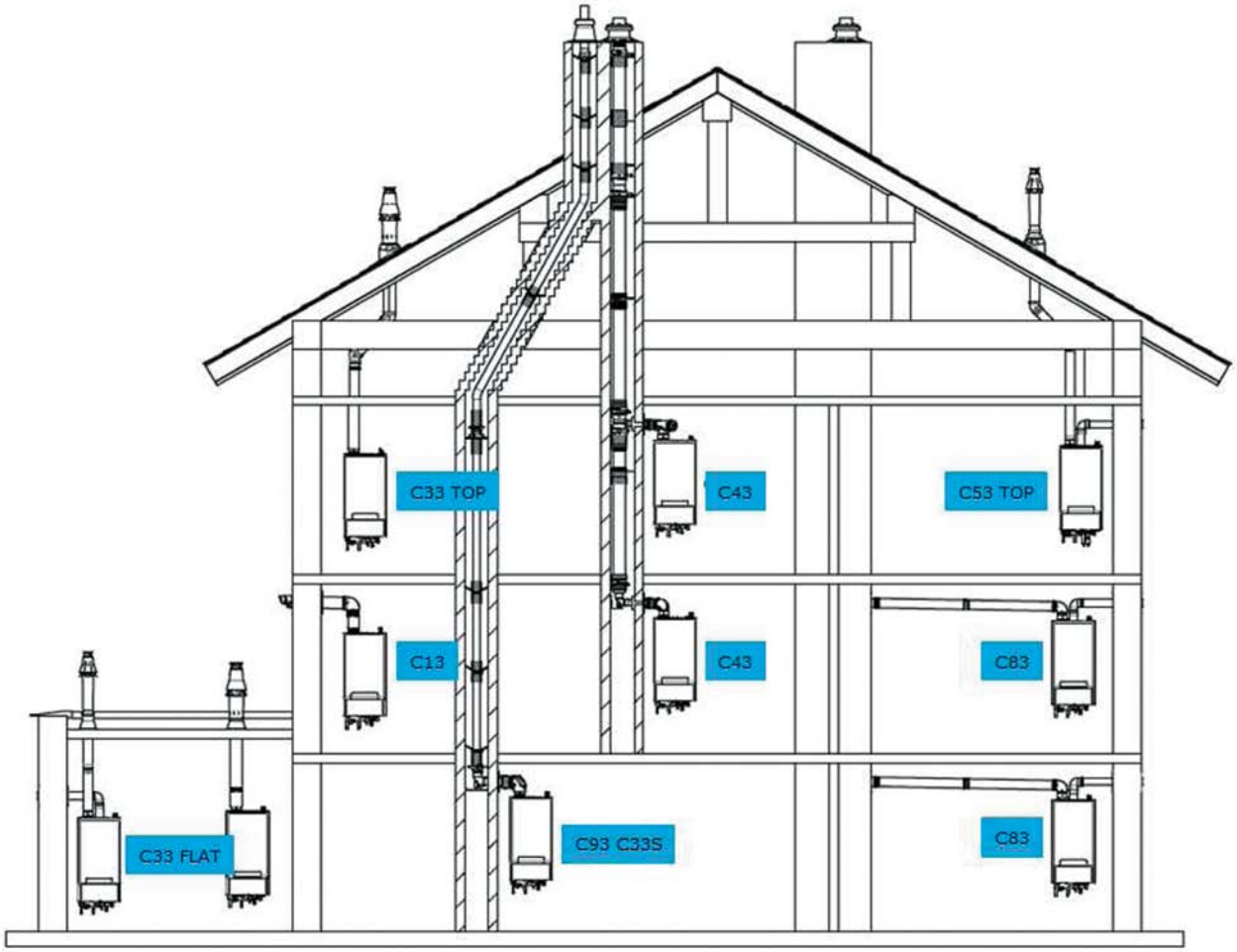
1-6 Variants for Daikin Altherma C Gas ECH$_2$O
CA Air inlet (combustion)
FG Flue gas
RV Ventilation
a Variant for suction connection (flue gas/concentric air inlet)
b Variant for partial suction connection (flue gas/separated air inlet)
c Variant for connection dependent on ambient air
d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!
e Ventilation opening (1x150 cm^2 or 2x75 cm^2)
f Ventilation (150 cm^2)

- All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed.
- Treatment of condensate: neutralization is essential in all cases for Very High Energy Performance (condensing technology) oil-fired boilers using o EL standard oil. Neutralization may not be needed if low-sulfur fuel oil is used. Respect the local regulations!

*) Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2.

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



1-8 Variants for Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid
CA Air (combustion) inlet
FG Flue gas
RV Ventilation

B_{xx} Type CEN/TR1749:2009 for operation dependent on ambient air
C_{xx} Type CEN/TR1749:2009 for suction operation

a Variant for suction connection (flue gas/concentric air inlet)
b Variant for partial suction connection (flue gas/separated air inlet)
c Variant for connection dependent on ambient air
d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!
e Ventilation opening (1x150 cm^2 or 2x75 cm^2)
f Ventilation (150 cm^2)

- All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed.

*) Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2.

Selection tool

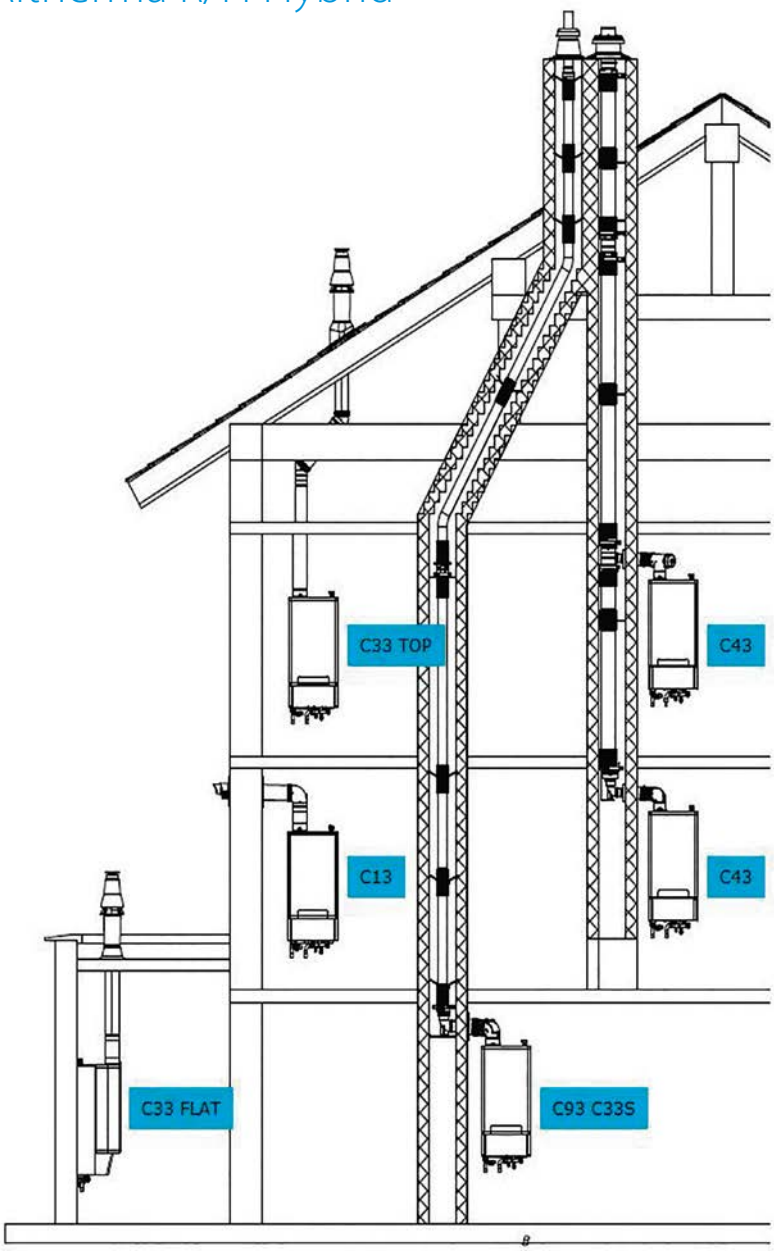
You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at **http://fluegas.daikin.eu**

Flue-gas evacuation system

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid



Selection tool

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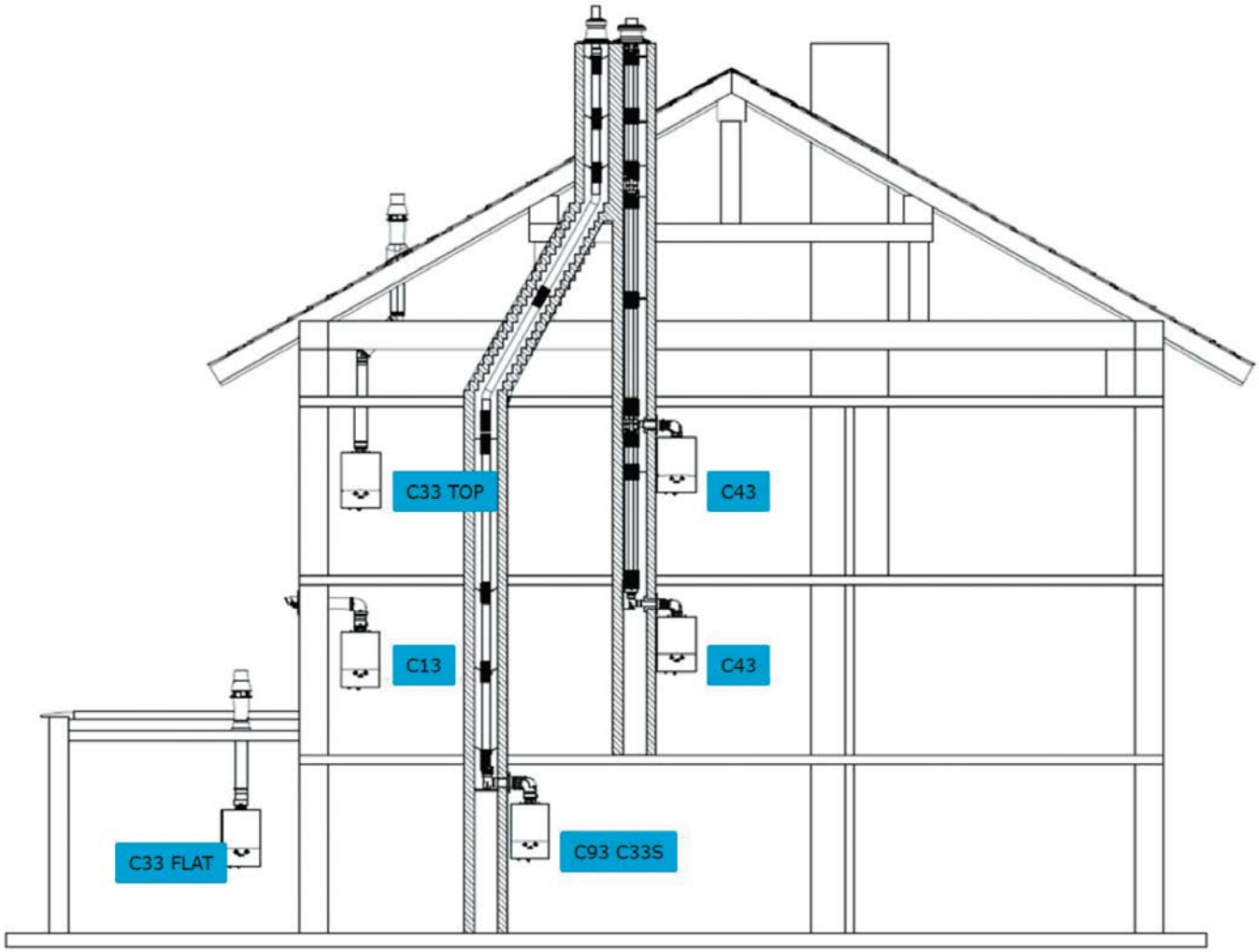
Overview of Daikin Altherma 3 C Gas W



Selection tool

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You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

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Thermal stores and tanks

Hot water heating installation solutions

Why choose a Daikin Altherma ST thermal store or domestic hot water tank

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.

Thermal store

Stainless steel tank

Domestic hot water tanks

Stainless steel tanks

Comfort

› EKHTS-AC: available in 200 and 260l in stainless steel
› EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
› EKHWS-B: available for 400V applications
› EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

› High-quality insulation keeps heat loss to a minimum
› Efficient temperature heating: from 10°C to 50°C in only 60 minutes
› Available as an integrated solution or separate tank

Reliability

› At necessary intervals, the unit can heat up water up to 60°C to prevent the risk of bacteria growth

The ECH$_2$O thermal store range

ECH$_2$O thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

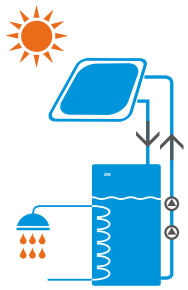
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

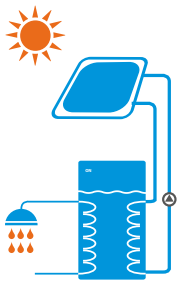
› Fit for the future: maximise renewable energy sources
› Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
› High-quality insulation keeps heat loss to a minimum

Reliability

› Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system

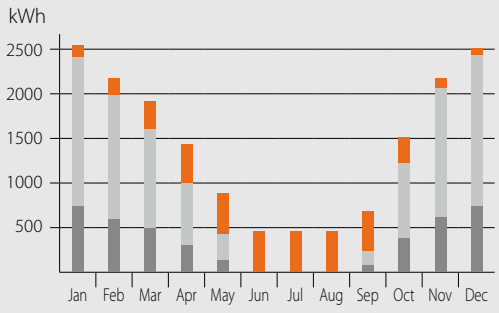


Pressurised solar system

Pressureless (drain-back) solar system
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

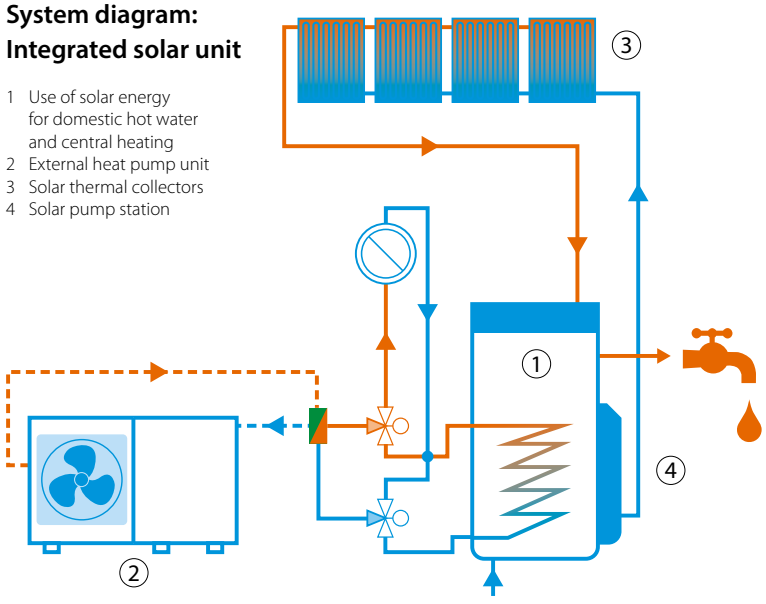
Pressurised solar system
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heat pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma ST Thermal store

Plastic domestic hot water tank with solar support

- The thermal store EKHWP* is designed to work with Daikin Altherma heat pumps
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 and 500 liters

Accessory				EKHWP	300B	500B	300PB	500PB
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material				Impact resistant polypropylene			
Dimensions	Unit	Width	mm		595	790	595	790
		Depth	mm		615	790	615	790
		Height	mm		1,650	1,660	1,650	1,660
Weight	Unit	Empty	kg		58	82	58	89
Tank	Water volume		l		294	477	294	477
	Material				Polypropylene			
	Maximum water temperature		°C		85			
	Insulation	Heat loss	kWh/24h		1.5	1.7	1.5	1.7
	Energy efficiency class				B			
	Standing heat loss		W		64	72	64	72
	Storage volume		l		294	477	294	477
Heat exchanger	Domestic hot water	Quantity			1			
		Tube material			Stainless steel (DIN 1.4404)			
		Face area	m^2		5.600	5.800	5.600	5.900
		Internal coil volume	l		27.1	28.1	27.1	28.1
		Operating pressure	bar		6			
		Average specifc thermal output	W/K		2,790	2,825	2,790	2,825
	Charging	Quantity			1			
		Tube material			Stainless steel (DIN 1.4404)			
		Face area	m^2		3	4	3	4
		Internal coil volume	l		13	18	13	18
		Operating pressure	bar		3			
		Average specifc thermal output	W/K		1,300	1,800	1,300	1,800
	Pressurised solar	Average specifc thermal output	W/K		-		390.00	840.00
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)
		Face area	m^2		-	1	-	1
		Internal coil volume	l		-	4	-	4
		Operating pressure	bar		-	3	-	3
		Average specifc thermal output	W/K		-	280	-	280

Daikin Altherma ST Thermal store

Plastic domestic hot water tank with solar support

- The thermal store EKHWC* is designed to work with a gas/oil boiler
- The thermal store EKHWD* is designed to work with boilers as well as with Daikin Altherma High Temperature
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 or 500 liters

B

85°C

Accessory				EKHWDH 500B	EKHWDB 500B	EKHWCH 300B	EKHWCH 300PB	EKHWC 500B	EKHWCH 500B	EKHWCH 500PB	EKHWCB 500B	EKHWCB 500PB
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material			Impact resistant polypropylene								
Dimensions	Unit	Width	mm	790		595		790				
		Depth	mm	790		615		790				
Weight	Unit	Empty	kg	73	76	51	53	69	74	79	80	86
Tank	Water volume		l	477		294		477				
	Material			Polypropylene								
	Maximum water temperature		°C	85								
	Insulation	Heat loss	kWh/24h	1.7		1.5		1.7				
	Energy efficiency class			B								
	Standing heat loss		W	72		64		72				
	Storage volume		l	477		294		477				
Heat exchanger	Domestic hot water	Quantity		1								
		Tube material		Stainless steel (DIN 1.4404)								
		Face area	m^2	4.900		3.800		4.900				
		Internal coil volume	l	23.8		18.6		23.8			25.8	
		Operating pressure	bar	6								
		Average specifc thermal output	W/K	2,580		1,890		2,450			2,580	
	Charging	Quantity		1				-	1			
		Tube material		Stainless steel (DIN 1.4404)				-	Stainless steel (DIN 1.4404)			
		Face area	m^2	2				-	2			
		Internal coil volume	l	11		9		-	9			
		Operating pressure	bar	3				-	3			
		Average specifc thermal output	W/K	1,030		920		-	1,030			
	Auxiliary solar heating	Tube material		-				Stainless steel (DIN 1.4404)				
		Face area	m^2	-				1				
		Internal coil volume	l	-				4				
		Operating pressure	bar	-				3				
		Average specifc thermal output	W/K	-				350				

Domestic hot water tank

Stainless steel domestic hot water tank

› EKHTS(U)-AC: available in 200 and 260l in stainless steel
› EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
› EKHWS-B: available for 400V applications
› EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Accessory				EKHTS(U)	200AC	260AC
Casing	Colour				Metallic grey	
	Material				Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height	Integrated on indoor unit mm		2,010	2,285
		Width	mm		600	
		Depth	mm		695	
		Height	mm		1,470	1,745
Weight	Unit	Empty	kg		70	78
Tank	Water volume		l		200	260
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature		°C		75	
	Insulation	Heat loss	kWh/24h		12.0	15.0
	Energy efficiency class				B	
	Standing heat loss		W		50	63
	Storage volume		l		200	260
Heat exchanger	Quantity				1	
	Tube material				Duplex steel (EN 1.4162)	
	Face area		m^2		1.560	
	Internal coil volume		l		7.5	

Accessory				EKHWS	(U)150B3V3	(U)200B3V3	(U)300B3V3	200B3Z2	300B3Z2
Casing	Colour				Neutral white				
	Material				Epoxy-coated mild steel				
Dimensions	Unit	Width	mm		580				
		Depth	mm		580				
		Height	mm		900	1,150	1,600	1,150	1,600
Weight	Unit	Empty	kg		37	45	59	45	59
Tank	Water volume		l		150	200	285	200	285
	Material				Stainless steel (DIN 1.4521)				
	Maximum water temperature		°C		85				
	Insulation	Heat loss	kWh/24h		1.55	1.77	2.19	1.77	2.19
	Energy efficiency class				C				
	Standing heat loss		W		65	74	91	74	91
	Storage volume		l		150	200	285	200	285
Heat exchanger	Quantity				1				
	Tube material				Duplex steel LDX 2101				
Booster heater	Capacity		kW		3				
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/230			2~/50/400	

Accessory				EKHWS(U)	150D3V3	180D3V3	200D3V3	250D3V3	300D3V3
Casing	Colour				Neutral white				
	Material				Epoxy coated steel / Epoxy-coated mild steel				
Dimensions	Unit	Height	Tank mm		1,000	1,164	1,264	1,535	1,745
Weight	Unit	Empty	kg		45	50	53	58	63
Tank	Water volume		l		145	174	192	242	292
	Material				Stainless steel (EN 1.4521)				
	Maximum water temperature		°C		75				
	Insulation	Heat loss	kWh/24h		1.1	1.2	1.3	1.4	1.6
	Energy efficiency class				B				
	Standing heat loss		W		45	50	55	60	68
	Storage volume		l		145	174	192	242	292
Heat exchanger	Domestic hot water	Quantity			1				
		Tube material			Stainless steel (EN 1.4521)				
		Face area	m^2		1.050	1.400	1.800		
		Internal coil volume	l		4.9	6.5	8.2		
		Operating pressure	bar		10				
Booster heater	Capacity		kW		3				
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/230				

Domestic hot water tank

Dedicated domestic hot water for Daikin Altherma C Oil

› The unit's sleek design blends in with other household appliances
› Capacity 150 litres
› Easy installation and maintenance

DFLOSTO-A

A 85°C

Options

Type	Description	Material name
Connection kit	Insulated corrugated pipes to connect the boiler with the tank	DRTANKCOKITA
Electrical heater		DRELHEATERA
Anode	Impressed current anode for stainless steel storage water tanks with insulated-hole mounting (no thread connection).	DRELECANODEA
Circulation set	Insulated corrugated pipe and fitting to connect the storage tank with the housing	DRCIRCSETA

Accessory				DFLOSTO
Casing	Colour			White and black (RAL9016 and RAL7011)
	Material			Steel
Dimensions	Unit	Width	mm	606
		Depth	mm	754
		Height	mm	1,360
Weight	Unit	Empty	kg	80
Tank	Water volume		l	148
	Material			Stainless steel (EN 1.4521)
	Maximum water temperature		°C	85
	Insulation	Heat loss	kWh/24h	0,84
	Energy efficiency class			A
	Standing heat loss		W	35
	Storage volume		l	148
Heat exchanger	Charging	Tube material		Stainless steel (EN 1.4521)
		Face area	m^2	0,9
		Internal coil volume	l	5,65
		Operating pressure	bar	3

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Controls

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Madoka

The beauty of simplicity.

Silver
RAL 9006 (metallic)
BRC1HHDS

Black
RAL 9005 (matt)
BRC1HHDK

White
RAL9003 (glossy)
BRC1HHDW

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Three colours to match any interior
- Compact, measures only 85 x 85 mm

reddot award 2018
winner

DESIGN AWARD 2018

Madoka wired remote controller for Daikin Altherma 3 heat pumps

BRC1HHDW

BRC1HHDS

BRC1HHDK

A new generation of user interface, redesigned and intuitive

Intuitive control with a premium design:

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large easy to read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design:

No matter your interior design, Madoka will match it. Silver gives an additional touch to stand out in any interior or application, while Black is an ideal match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters:

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room teperature and control the domestic hot water temperature.

Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store.

GET IT ON Google Play

Available on the App Store

www.daikin.eu/madoka

Wired remote control for Heating

EKRUCB*

Control

› Manage space heating, cooling, domestic hot water and among others, booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct accessibility to all main functions

Comfort

› An additional user interface can include a room thermostat in the space to be heated
› Easy commissioning: intuitive interface for advanced menu settings

* only in combination with EKRTETS

General features

Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

› Daikin Altherma R (F/W)
  - Daikin Altherma M
› Daikin Altherma R Hybrid
› Daikin Altherma GEO

System controller for Daikin Altherma

EKRUAHTB

Control

Reduce installation time

› Program all settings for an installation on a laptop computer and simply upload them to the controller during commissioning
› Reuse similar settings for related installations

Improve service diagnostics and maintenance

› The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

› Raise or lower water temperature as a function of the actual room temperature
› Manage energy consumption
› Intuitive screen displays the output and input energy of the unit provide consumption transparency

General features

Weather depending floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.

Applicable Daikin units

› Daikin Altherma R HT
› Daikin Altherma R Flex Type HT

Applicable Daikin units

		BRC1HHDW/S/K	EKRUCB*	EKRUHML*	EKRUAHTB	EHS157034	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	•					
Daikin Altherma 3 H HT ECH$_2$O	14-16-18 kW					•	
Daikin Altherma 3 R (F/W)	4-6-8 kW	•					
Daikin Altherma 3 H (F/W)	11-14-16 kW		•				
Daikin Altherma 3 R ECH$_2$O	4-6-8 kW					•	
Daikin Altherma R ECH$_2$O	11-14-16 kW					•	
Daikin Altherma R HT	11-14-16 kW				•		
Daikin Altherma M	5-7-11-14-16 kW		•				
Daikin Altherma R Hybrid	5-8 kW		•				
Daikin Altherma H Hybrid	4 kW			•			
Daikin Altherma GEO	10 kW		•				
Daikin Altherma 3 GEO	6-10 kW	•					
Daikin Altherma 3 C Gas W	12-35 kW						•
Daikin Altherma C Gas W	28-33 kW						
Daikin Altherma C Gas ECH$_2$O	15-28 kW					•	
Daikin Altherma C Oil	18-42 kW					•	

Always in control

Daikin Residential Controller

The Daikin Residential Controller application can, from any place at any time, control and monitor the status of your heating system and allows you to (*):

Monitor

› The status of your system:
  - Room temperature
  - Requested room temperature
  - Operation mode
› Energy consumption graphs (day, week, month)

Schedule

› Schedule the room temperature and operation mode with up to **6 actions per day for 7 days**
› Enable **holiday mode**

Control

› Operation mode
› Change the requested room temperature
› Change the requested domestic hot water temperature
› Powerful mode (fast heating domestic hot water)

*Availability of functions is depending on the system type, configuration and operation mode. App functionality is only available if both the Daikin system and the App have Internet connectivity.

Applicable Daikin units

		Connectivity			
		BRP069A71 (April 2020)	BRP069A61/62	DRGATEWAYAA	EHS157056 (RoCon G1)
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	•	•		
Daikin Altherma 3 H HT ECH_2O	14-16-18 kW				•
Daikin Altherma 3 R (F/W)	4-6-8 kW		•		
Daikin Altherma 3 H (F/W)	11-14-16 kW		•		
Daikin Altherma R (F/W)	11-14-16 kW		•		
Daikin Altherma 3 R ECH_2O	4-6-8 kW				•
Daikin Altherma R ECH_2O	11-14-16 kW				•
Daikin Altherma M	5-7-11-14-16 kW		•		
Daikin Altherma R Hybrid	5-8 kW		•		
Daikin Altherma H Hybrid	4 kW		•		
Daikin Altherma GEO	10 kW		•		
Daikin Altherma 3 GEO	6-10 kW		included		
Daikin Altherma 3 C Gas W	12-35 kW			•	
Daikin Altherma C Gas ECH_2O	15-28 kW				•
Daikin Altherma C Oil	18-42 kW				•

Individual room control system for temperature adjustment of heating and cooling systems

General features

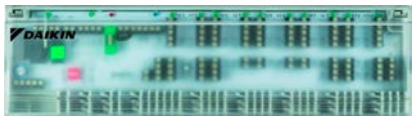
› Improve energy efficiency of the home
› Universally deployable and scalable
› Easy and intuitive installation, operation and maintenance
› Cost effective and convenient for the end-user

Comfort

With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room.

In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

System components



Base station
EKWUFHTA1V3
The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.

Wired digital thermostat
EKWCTRDI1V3
The setting of the desired room temperature and the operation, can be performed comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display always clearly indicate all settings.

Wired analog thermostat
EKWCTRAN1V3
An optimum price-performance ratio is offered for rooms where only a very good temperature control is desired, without the comfort function of the display variant.

Valve actuator
EKWCVATR1V3
The Daikin Valve Actuator is a thermoelectric valve drive for opening and closing valves on heating circuit distributors of concealed heating and cooling systems.

Applicable Daikin units

› Combinable to all Daikin Altherma units

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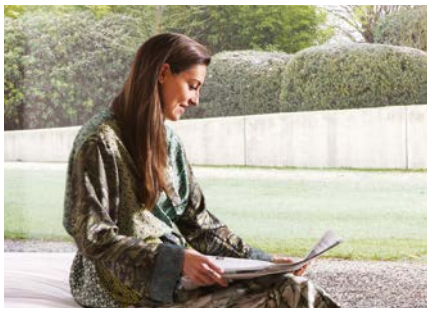
Daikin Altherma HPC
A fresh approach to comfort

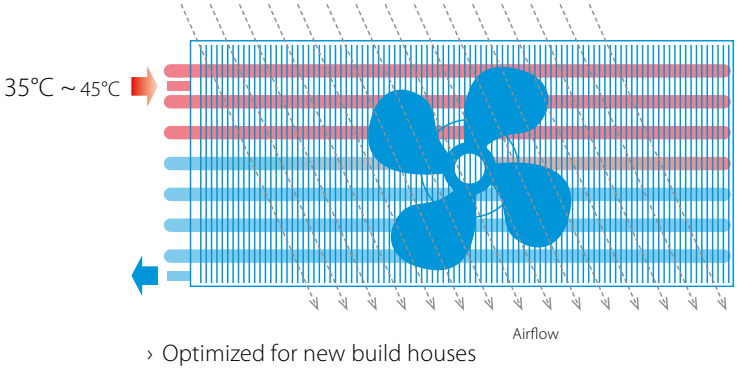


By providing cooling and heating, Daikin Altherma HPC is combinable with underfloor piping and can replace outdated radiators. The unit is available in three models (floor standing, wall mounted and concealed) and fits in any bedrooms or living rooms thanks to its silent operation.

What is a heat pump convector

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, a radiator's convection process is faster because there is a small fan behind it speeding up the heating cycle.

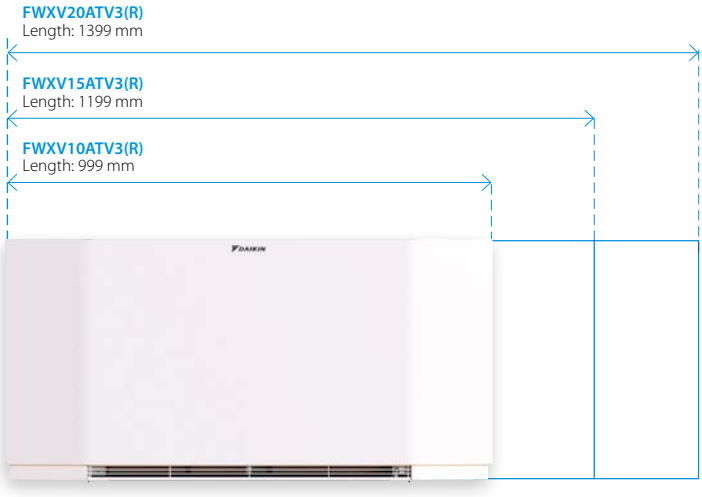
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures in the radiator, and in the long run, contribute to direct energy savings or users.



› Optimized for new build houses
› Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.

Slim design

The floor standing Daikin Altherma HPC measures 135 mm (depth), this heat pump can fit in any house or apartment.

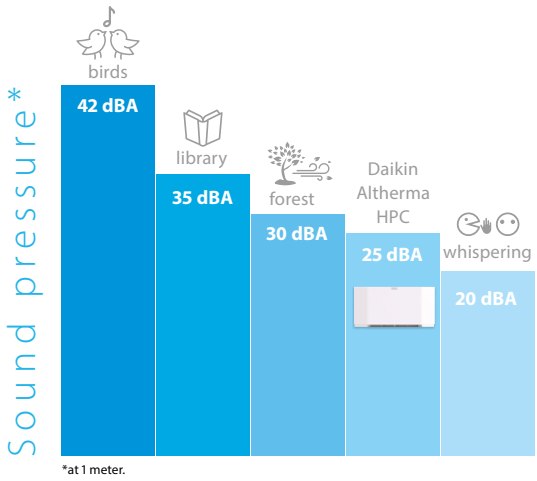


Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high capacity heating or cooling faster and can be selected at ultra-low temperatures (35/30°C regime).

Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. The unit's sound pressure measures 25dB(A) at 1m when the fan is on a low-speed setting.



*at 1 meter.

DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.

Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1

- Built-in controller
- Fully modulating
- Multicolor display

EKRTCTRL2

- Built-in controller
- 4 speed selection

EKWHCTRL1

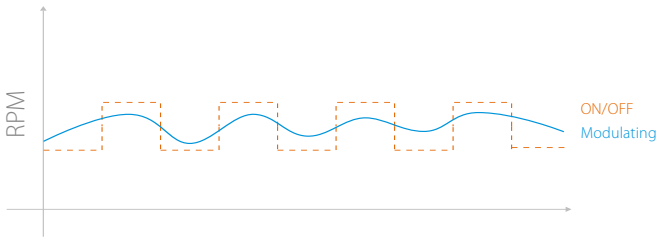
- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

EKPCBO

- Built-in controller
- ON/OFF
- In combination with external thermostats

Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



*Only applicable for EKRTCTRL1, EKWHCTRL1

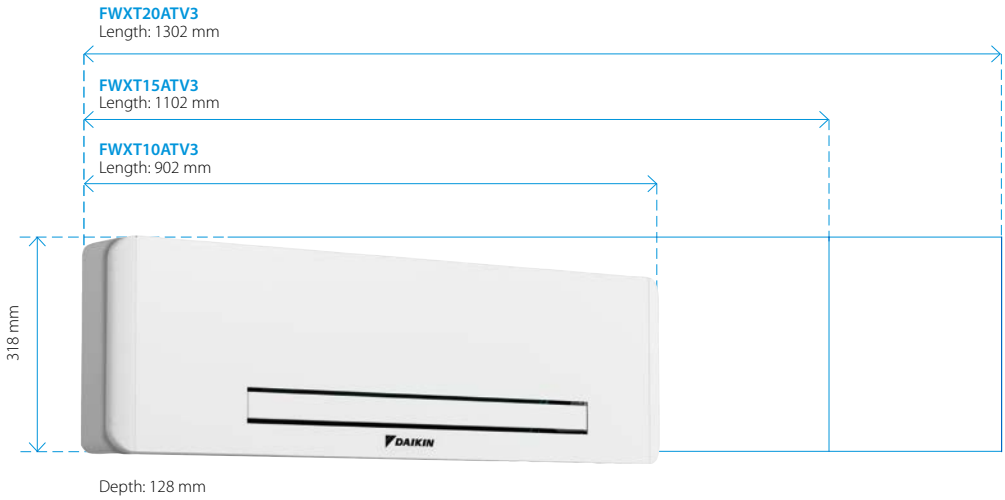
Perfect combination

This heat pump convector fits perfectly within the Daikin Altherma 3 range.

Wall mounted model

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.
Its wall hung application saves space on the floor for furnitures and decoration.



Controls

Fully modulating controller allowing
remote control of the unit.

EKWHCTRL1

- Wall controller
- Fully modulating

Compactness

1 SLIM DEPTH

Depth of 129 mm is an outstanding technical achievement that ensures the best fitting into any residential dwelling.

2 MORE SPACE FOR VALVES

A special attention to the easiness of installation: the space for hydraulic valves is wide and easy accessible.

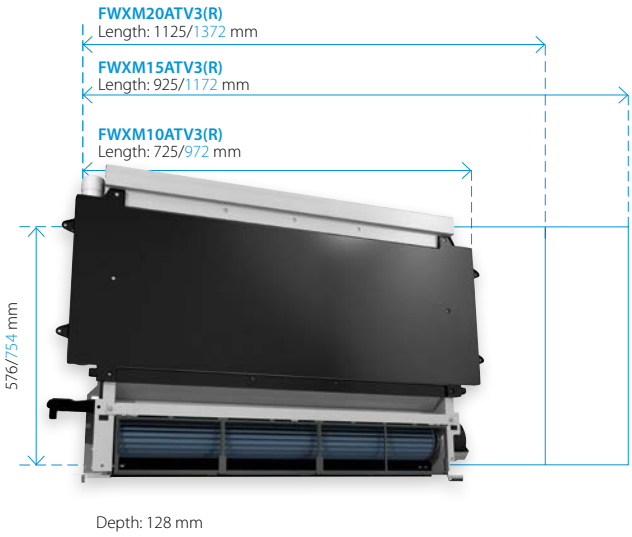
3 MODULATED AIRFLOW

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.

Concealed model

Slim design

Blue dimensions are for the front cover.



Depth: 128 mm

Controls

EKWHCTRL1

- Wall controller
- Fully modulating
- In combination with EKWHCTRL0

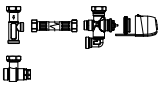
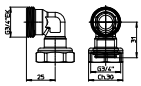
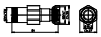
Flexible installation

Daikin Altherma HPC can be installed in 4 different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally of vertically. For horizontal, in ceiling installation, 3 different possibilities are offered:

- Horizontal cover panel and vertical grill for air outlet
- Horizontal intake grill and vertical grill for air outlet
- Horizontal in and out grills for air outlet

Indoor unit					**FWXV/M10ATV3**	**FWXV/M15ATV3**	**FWXV/M20ATV3**
Cooling capacity at 7/12°C	Min.			kW	0,66	1,30	1,82
	Med.			kW	1,36	2,16	2,52
	Max.			kW	1,77	2,89	3,20
Sensible cooling capacity at 7/12°C	Min.			kW	0,39	0,99	1,22
	Med.			kW	0,98	1,53	1,55
	Max.			kW	1,33	2,10	1,78
Heating capacity at 35/30°C	Min.			kW	0,41	0,45	0,93
	Med.			kW	0,82	1,29	1,66
	Max.			kW	1,14	1,73	2,15
Heating capacity at 45/40°C	Min.			kW	0,95	1,26	1,90
	Med.			kW	1,63	2,33	3,05
	Max.			kW	2,18	3,11	3,88
Power input	Min.			kW	0,003	0,004	0,005
	Med.			kW	0,018	0,020	0,027
	Max.			kW	0,018	0,020	0,027
Fan speed	Min.			m^3/h	118	180	246
	Med.			m^3/h	210	318	410
	Max.			m^3/h	294	438	566
Casing	Colour					RAL 9003	
	Material					Metal sheet	
Dimensions	Unit	Height		mm		601	
		Width		mm	999	1199	1399
		Depth		mm	135	135	135
	Packed unit	Height		mm		690	
		Width		mm	1230	1430	1630
		Depth		mm		210	
Weight	Unit			kg	20/12	23/15	2618
	Packed unit			kg	21/13	24/16	2719
Packing	Material					Carton	
	Weight			kg		1	
Heat exchanger	Quantity				1	1	1
	Internal coil volume			l	0,8	1,13	1,46
		Max Operating pressure		bar		10	
Water circuit	Piping connections diameter			inch		3/4" male	
	Piping material					EUROKONUS	
	Heating - Water pressure drop at 35/30°C	Min.		kPa	0,3	2,0	1,2
		Med.		kPa	1,3	7,5	4,0
		Max.		kPa	2,4	12,3	8,0
	Heating - Water pressure drop at 45/40°C	Min.		kPa	1,3	8,6	3,8
		Med.		kPa	4,2	3,3	11,2
		Max.		kPa	7,2	11,5	21,3
	Cooling - Water pressure drop at 7/12°C	Min.		kPa	1,2	4,3	2,1
		Med.		kPa	2,8	19,3	13,1
		Max.		kPa	2,9	27,0	24,0
	Heating - Water flow rate at 35/30°C	Min.		kg/h	69,9	73,6	160,2
		Med.		kg/h	141,4	221,1	285,3
		Max.		kg/h	195,2	297,2	369,9
	Heating - Water flow rate at 45/40°C	Min.		kg/h	163,5	212,5	327,0
		Med.		kg/h	280,3	401,1	524,6
		Max.		kg/h	374,1	534,5	667,5
	Cooling - Water flow rate at 7/12°C	Min.		kg/h	113,5	223,7	313,0
		Med.		kg/h	234,1	371,7	433,6
		Max.		kg/h	303,6	496,6	550,6
	Pressure	Heating/Max.		bar	10	10	10
Sound power level	Super silent			dBA	29	31	32
	Min.			dBA	34	35	35
	Max.			dBA	51	53	55
Sound pressure level	Super silent			dBA	20	22	23
	Min.			dBA	25	26	26
	Max.			dBA	42	44	45
Operation range	Heating	Water side	Min.	°C		30	
			Max.	°C.		85	
	Cooling	Water side	Min.	°C.		5	
			Max.	°C		20	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					no	
	On board control					yes	
	Wired remote control					yes	
Installation place						Indoor	
Electrical specifications					**FWXV10ATV3**	**FWXV15ATV3**	**FWXV20ATV3**
Power supply	Phase					1	
	Frequency			Hz		50	
IP class	IP			V		XO	
Electrical power consumption	Max.			W	0,019	0,02	0,029
	Standby			W	0,003	0,004	0,005
Current	Zmax	Text		Ω	2556	2300	1643
	Maximum running current			A	0,16	0,18	0,26
Current - 50 Hz	Nominal running current			A	0,09	0,1	0,14

Indoor unit					FWXT10ATV3	FWXT15ATV3	FWXT20ATV3
Cooling capacity at 7/12°C	Min.			kW	0,48	0,58	0,91
	Med.			kW	0,80	1,03	1,75
	Max.			kW	1,07	1,65	2,31
Sensible cooling capacity at 7/12°C	Min.			kW	0,39	0,49	0,76
	Med.			kW	0,69	0,91	1,53
	Max.			kW	0,95	1,49	1,94
Heating capacity at 35/30°C	Min.			kW	0,29	0,23	0,47
	Med.			kW	0,48	0,69	1,08
	Max.			kW	0,66	1,00	1,44
Heating capacity at 45/40°C	Min.			kW	0,53	0,66	0,96
	Med.			kW	0,94	1,26	0,198
	Max.			kW	1,27	1,80	2,60
Power input	Min.			kW	0	0,01	0,01
	Max.			kW	0,01	0,01	0,02
Fan speed	Min.			m^3/h	84	124	138
	Med.			m^3/h	155	229	283
	Max.			m^3/h	228	331	440
Casing	Colour				RAL 9003 (FWXV-ATV3)		
	Material				Metal sheet (FWXV-ATV3) / No casing (FWXM-ATV3)		
Dimensions	Unit	Height		mm	335		
		Width		mm	902	1100	1300
		Depth		mm	128		
	Packed unit	Height		mm	490		
		Width		mm	1030	1230	1430
		Depth		mm	210		
Weight	Unit			kg	14	16	19
	Packed unit			kg	15	17	20
Packing	Material				Carton		
	Weight			kg	1		
Heat exchanger	Quantity				1		
	Internal coil volume			l	0,5	0,7	0,9
		Max Operating pressure		bar	10		
Water circuit	Piping connections diameter			inch	3/4" male		
	Piping material				EUROKONUS		
	Heating - Water pressure drop at 35/30°C	Min.		kPa	0,2	1,9	0,3
		Med.		kPa	0,9	2,9	1,4
		Max.		kPa	1,6	3,3	2,3
	Heating - Water pressure drop at 45/40°C	Min.		kPa	1,1	2,8	1,1
		Med.		kPa	3,1	3,5	4,1
		Max.		kPa	5,4	4,0	6,6
	Cooling - Water pressure drop at 7/12°C	Min.		kPa	1,1	3,9	1,3
		Med.		kPa	3,0	4,8	4,2
		Max.		kPa	5,2	5,7	6,9
	Heating - Water flow rate at 35/30°C	Min.		kg/h	39,3	39,0	80,8
		Med.		kg/h	81,8	119,4	185,4
		Max.		kg/h	114,0	172,4	247,8
	Heating - Water flow rate at 45/40°C	Min.		kg/h	91,9	112,6	164,8
		Med.		kg/h	162,0	216,6	341,0
		Max.		kg/h	218,4	310,0	447,2
	Cooling - Water flow rate at 7/12°C	Min.		kg/h	82,1	98,9	156,5
		Med.		kg/h	138,1	177,4	300,6
		Max.		kg/h	184,4	283,0	396,8
	Pressure	Heating/Max.		bar	10	10	10
Sound power level	Min.			dBA	34	34	35
	Max.			dBA	49	51	52
Sound pressure level	Min.			dBA	25	25	26
	Max.			dBA	40	42	43
Operation range	Heating	Water side	Min.	°C	30		
			Max.	°C.	85		
	Cooling	Water side	Min.	°C.	5		
			Max.	°C	18		
	Indoor installation	Ambient	Min.	°CDB	0		
			Max.	°CDB	45		
Installation place							
Electrical specifications					**FWXT10ATV3**	**FWXT15ATV3**	**FWXT20ATV3**
Power supply	Phase				1		
	Frequency			Hz	50		
	Voltage			V	230		
Electrical power consumption	Max.			W	18	20	27
	Standby			W	5	5	6
Current	Maximum running current	Heating		A	0,2		
		Cooling		A	0,2		
Current - 50 Hz	Nominal running current			A	0,1		

			FWXV10ATV3(R)	FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)	FWXT10ATV3
			FWXV15ATV3(R)				FWXT15ATV3
			FWXV20ATV3(R)				FWXT20ATV3
			DC Inverter fan coil unit with sheet metal cabinet (white colour)	Built in DC Inverter fancoil for horizontal and vertical			High Wall fancoil
Material name	**Description**	**Picture**					
EKRTCTRL1	On board electronic control SMART TOUCH with PID full modulating fan and thermostat		Opt				
EKRTCTRL2	On board electronic control SMART TOUCH 4 speeds with thermostat		Opt				
EKPCBO	On board 4 speeds control switch to be combine with Daikin combinable thermostats		Opt				
EKWHCTRL0	On board controller for EKWHCTRL1		Opt	Opt	Opt	Opt	
EKWHCTRL1	SMART LCD wall controller with temperature probe, white casing		Opt	Opt	Opt	Opt	Opt
EKFA	Aestetical feet		Opt				
EK2VK0	Motorized 2-way valve (FWXV/M)		Opt	Opt	Opt	Opt	
EKT2VK0	Motorized 2-way valve (FWXT)						Opt
EK3VK1	Motorized 3-way valve (FWXV/M)		Opt	Opt	Opt	Opt	
EKT3VK1	Motorized 3-way valve (FWXT)						Opt
EKEUR90	L-bow 90°C		Opt	Opt	Opt	Opt	
EKDIST	Extension piece		Opt	Opt	Opt	Opt	
EKM10CS	Metal casing			Opt			
EKM15CS					Opt		
EKM20CS						Opt	
EKM10CH	Front cover for ceiling installation			Opt			
EKM15CH					Opt		
EKM20CH						Opt	
EKM10CV	Front cover for wall installation			Opt			
EKM15CV					Opt		
EKM20CV						Opt	
EKM10DH	Air intake fitting			Opt			
EKM15DH					Opt		
EKM20DH						Opt	
EKM10D90	90°C exhaust bend (Horizontal)			Opt			
EKM15D90					Opt		
EKM20D90						Opt	
EKM10COH	Condensate collector tray for horizontal installation			Opt			
EKM15COH					Opt		
EKM20COH						Opt	
EKM10DT	Telescopic air flow duct			Opt			
EKM15DT					Opt		
EKM20DT						Opt	
EKM10IS	Aluminum air intake grill with straight airflow			Opt			
EKM15IS					Opt		
EKM20IS						Opt	
EKM10SV	Straight airflow vent			Opt			
EKM15SV					Opt		
EKM20SV						Opt	
EKM10IC	Aluminum air intake grill with curved airflow			Opt			
EKM15IC					Opt		
EKM20IC						Opt	
EKM10CA	Aluminum air outlet grill with curved airflow			Opt			
EKM15CA					Opt		
EKM20CA						Opt	

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Daikin Altherma ST
maximising renewable energy

Why choose a Daikin Altherma ST solar panel

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.

ECH$_2$O

Comfort

› Flexible solar system for pressureless (drain-back) and pressurised solar systems
› Hot tap water and heating support generated by solar energy
› Highly efficient flat solar panels that are available in 3 installation options:
- On roof
- In-roof
- Flat roof

Energy efficiency

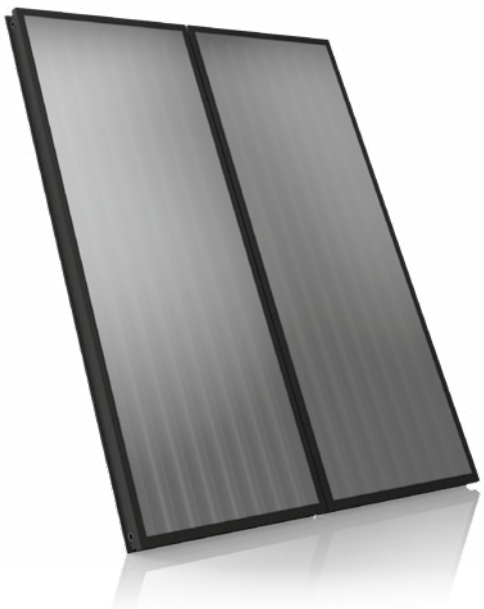
ECH$_2$O thermal store range:
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

Reliability

Keymark Certificate

› Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies.



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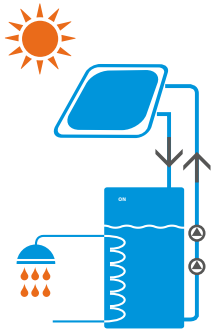
The Drain-Back solar system

How is it working?

› Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
› Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
› The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
› Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary

Advantages

› 0 % glycol : the liquid carrying the heat is only the water inside the system
› Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
› Automatic management of the defrost mode and avoidance of overheating mode
› No commissioning on the solar system, no replacement of the heat-carrying liquid



The pressurised solar system

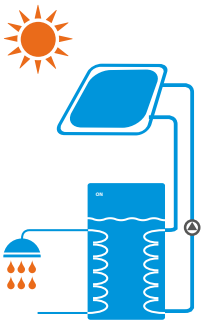
How is it working?

› The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
› Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
› The energy from the collectors is returned to the thermal store thanks to the coil.

Advantages

Monovalent
› The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed.

Bivalent
› The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine.



Solar panel - Overview EKSV21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV21P

Solar panel
EKSV21P

Number of solar panels Type of installation Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	3 On-roof Quantity	3 In-roof Quantity	4 On-roof Quantity	4 In-roof Quantity	5 On-roof Quantity	5 In-roof Quantity
Solar panel	EKSV21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	6[2)]	0	8[2)]	0	10[2)]	0
In-roof installation package, basic storage for two solar panel	IB EKSV21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKSV21P	16 20 18	0	0	0	1	0	2	0	3

Material list standard solar panels with Drain-back system

Type of installation	Type	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKSRPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal system volume (l)	20.2	21.5	22.8	24.1

Material list solar panels with pressurised system [1)]

Number of solar panels Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

DB Drain-back system

P Pressurised system

DB) Only required for installations with drain-back system.
P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKSV26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV26P

Solar panel EKSV26P

Number of solar panels Type of installation / Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 In-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 In-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 In-roof Quantity	5 Flat roof Quantity
Solar panel	EKSV26P	EKSV26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	0	6[2)]	0	0	8[2)]	0	0	10[2)]	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

Material list standard solar panels with Drain-back system

Number of solar panels Installation type / Article	Type	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKSRPS4A	EKSRPS4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP Anthracite EKSRCAP Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

Material list solar panels with pressurised system [1)]

Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal volume entire system (l)	21	22.7	24.4	26.1

Solar panel - Overview EKSH26P - standard horizontal model

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel H26 P

Number of solar panels Type of installation Article	Type	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel P) (4 roof hooks per kit)	FIX-ADDP	16 20 85	2 2)	0	4 2)	0	6 2)	0	8 2)	0	10 2)	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal volume system (l)	21.6	23.9	26	28.1

Material list solar panels with pressurised system 1)

Number of solar panels Installation type / Article	Type	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1

Pressurised system

P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKSV26P - standard vertical model

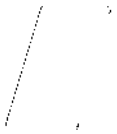
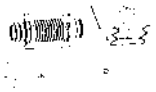
List of materials for solar components that connect several storage tanks

DB

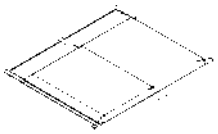
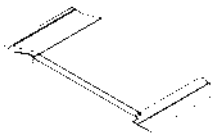
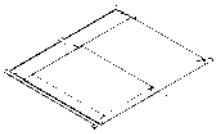
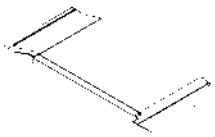
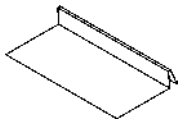
Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

Solar panels for pressurised use and Drain-back system

High-efficiency flat solar panels
Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

		Article	Type	Order No.
High-efficiency flat solar panel EKSV21P		(2,000 x 1,006 x 85mm), solar panel area 1.79m², Weight 35kg, water content 1.3l. Max. 6 bar.	EKSV21P	EKSV21P
High-efficiency flat solar panel EKSV26P		(2,000 x 1,300 x 85mm), solar panel area 2.35m², Weight 42kg, water content 1.7l. Max. 6 bar.	EKSV26P	EKSV26P
High-efficiency flat solar panel EKSH26P		(1,300 x 2,000 x 85mm), solar panel area 2.35m², Weight 42kg, water content 2.1l. Max. 6 bar.	EKSH26P	EKSH26P
Solar panel connection		Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
Installation profile rail for EKSV21P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
Installation profile rail for EKSV26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
Installation profile rail for EKSH26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
Support for connecting pipe solar panel		Support troughs (5 in number, length, in each case, 1.3m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
On-roof installation pack slate		4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
On-roof installation pack MULTI		2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
Roof holder for corrugated covering		4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
Roof holder for welded sheet metal covering		4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX

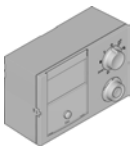
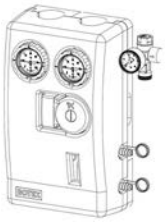
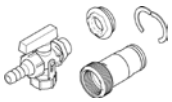
Solar panels for pressurised use and Drain-back system

		Article	Type	Order No.
Basic in-roof assembly package EKSV21P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
Extension kit in-roof mounting EKSV21P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P	16 20 18
Basic in-roof mounting pack EKSV26P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
Expansion in-roof mounting pack EKSV26P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
In-roof covering slate supplementary pack		30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
Basic pack flat-roof frame for mounting of two EKSV26P solar panels on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
Extension pack flat-roof frame for one additional EKSV26P solar panel		Extension for FB V26P.	FE V26P	16 20 59
Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
Extension pack flat-roof frame for one additional EKSH26P solar panel		Extension for FB H26P.	FE H26P	16 20 61
Disassembly tools ducts drain-back system			FIX LP	16 20 29-RTX

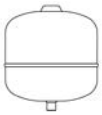
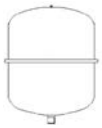
Drain-back system

Pressurised system

Solar panel - pressurised system

		Article	Type	Order No.
Controller		Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.	EKSDSR1A	EKSDSR1A
Pressure station		Consists of: Pipe connection ø 22mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.	EKSRDS2A	EKSRDS2A
Fill and drain connection		For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA	16 52 15
Solar panel pressurised solar line DN 16		15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25m. Without connection fittings.	CON 15P16	16 20 73
Solar panel pressurised solar connection kit DN 16		All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.	CON CP16	16 20 75
Solar panel pressurised solar connection kit DN 16		Fittings for connecting two pressurised solar lines DN 16.	CON XP16	16 20 71
Solar panel pressurised solar line DN 20		15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25m. Without connection fittings.	CON 15P20	16 20 74
Pressurised solar connection kit DN 20		All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.	CON CP20	16 20 76
Solar panel pressurised solar connection kit DN 20		Fittings for connecting the pressurised solar line DN 20.	CON P20	16 20 72
Installation material solar panel pressurised system		Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.	RCP	EKSRCP
Solar panel row connection for the solar panel with pressure system		Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping.	CON LCP	16 20 45

Solar panel - pressurised system

		Article	Type	Order No.
Expansion vessel 12l with connection block		For solar panels with pressure systems of max. 2 x EKSV21P - solar panels.	MAG S12	16 20 70
Expansion vessel 25l with connection block		For solar panels with pressure systems of max. 3 solar panels.	MAG S 25	16 20 50
Expansion vessel 35l with connection block		For solar panels with pressure systems of max. 5 solar panels.	MAG S 35	16 20 51-RTX
GLYCOL CORACON SOL 5F		20l can of pre-mixed solar fluid, functional range up to -28°C.	CORACON SOL 5F	16 20 52-RTX
GLYCOL CORACON SOL 5		1l of solar fluid concentrate for extension of the frost range. With 20l of solar fluid with 1 l additive, the use range extends down to -33°C. For 20l of solar fluid with 2x 1l of additive, the functional range is extended to -38°C.	CORACON SOL 5	16 20 53
Circulation lance		For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the domestic water pipe. Setting range 35-60°C.	VTA32	15 60 15
Screw connection kit 1”		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switchover time 6 sec.	3 W-UV	15 60 34

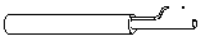
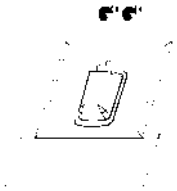
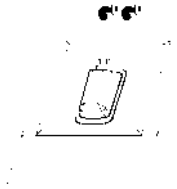
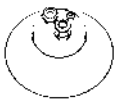
Solar panels - drain-back system

DB

		Article	Type	Order No.
EKSRPS4 regulation and pump unit		Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump. INFO: The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKSRPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.	EKSRPS4	EKSRPS4A
Fill and tap connection solar panel with drain-back system		For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA	16 52 16
Burner blocking contact connection cable		For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK	16 41 10-RTX
Solar panel FlowGuard solar flow regulator		With solar flow indicator 2-16l/min.	FLG	16 41 02-RTX
Connection tube solar panel		Ready to connect connection line 15m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15	16 47 32
Connection tube solar panel		Ready to connect connection line 20m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20	16 47 33
Solar panel solar flow sensor 100		Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100l/min.	FLS 100	16 41 03-RTX
Extension		For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCRP, RCIP, RCFP.	CON X20 25M	16 42 32

Solar panels - drain-back system

DB

		Article	Type	Order No.
Extension connection tube solar panel		Ready to plug in including installation material and connection fittings L = 2.5m L = 5.0m L = 10.0m Maximum possible length of the connection pipe: Number of solar panels / Max. length 2 / 45m 3 / 30m 4 / 17m 5 / 15m	CON X 25 CON X 50 CON X 100	16 42 61 16 42 62 16 42 63
Extension of the inflow pipe		UV-resistant thermally-insulated, length = 8m, including cable connecting fitting for the solar panel sensor line.	CON XV 80	16 42 64
On-roof roof penetration, anthracite		Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCAP	EKSRCAP
On-roof roof penetration, tile red		Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCRP	EKSRCRP
Solar panel panel row connection		Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping.	CON RVP	16 20 35-RTX
Installation material, solar panel in-roof		Ready to plug in including installation material and connection fittings.	RCIP	16 20 37-RTX
Roof penetration, flat roof		Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	RCFP	16 20 38-RTX
Roof penetration flat-roof for alternate side solar panel connection		Flat roof penetration with screw connections and blind plugs for penetration openings which are not used.	CON FE	16 47 09
Solar panel boiler extension kit		Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SX	16 01 20

Solar panels - drain-back system

DB

		Article	Type	Order No.
Solar panel storage tank extension kit 2		Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SXE	16 01 21
Circulation lance		For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the warm-water pipe. Setting range 35-60°C.	VTA32	15 60 15
Screw connection kit 1”		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switch-over time 6 sec.	3 W-UV	15 60 34

EKSV-P/EKSH-P

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications

EKSV21P

Accessory				EKSV21P	EKSV26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2000x1006x85	2000x1300x85	1300x2000x85
Weight	Unit		kg	33	42	
Volume			l	1.3	1.7	2.1
Surface	Outer		m^2	2.01	2.60	
	Aperture		m^2	1.800	2.360	
	Absorber		m^2	1.79	2.35	
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min.~Max.		°	15~80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	collector efficiency (ηcol)		%	61		
	Zero loss collector efficiency η0		%	0.781	0.784	
	Heat loss coefficient a1		$W/m^2.K$	4.240	4.250	
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.006	0.007	
	Thermal capacity		kJ/K	4.9	6.5	
Auxiliary	Solpump		W	-		
	Annual auxiliary electricity consumption Qaux		kWh	-		
	Solstandby		W	-		

EKSRPS4A/EKSRDS2A

Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank

EKSRPS4A

Accessory				EKSRPS4	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6,4	6
Operation range	Ambient temperature	Min.~Max.	°C	5~40	-~40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37,3	23
	Annual auxiliary electricity consumption Qaux		kWh	92,1	89
	Solstandby		W	2.00	5.00

6 Reasons to buy Daikin (multi-)split systems:

1. Full R-32 range for average and cold outdoor temperatures
2. Best comfort through intelligent sensors
3. Top air treatment through unique filtration
4. Connectivity: WLAN available on on all units
5. Reliability through best technologies
6. Iconic and award winning design

Residential air to air solutions

BLUEVOLUTION

Bluevolution for complete range

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Wall mounted units 244

UNIQUE Ururu Sarara FTXZ-N / RXZ-N 244

NEW stylish C/FTXA-AW/BS/BT/BB / RXA-A/B 246

DAIKIN emura FTXJ-MW/S / RXJ-M/N 250

perfera C/FTXM-N / RXM-N(9) 252

UPDATE comfora FTXP-M (9) / RXP-M 253

UPDATE sensira FTXF-B/A / RXF-A/B 254

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Floor standing units 257

FVXM-F / RXM-N9 257

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Siesta multi outdoor unit 269

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R-32 Optimised heating range 270

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For latest data, please consult my.daikin.eu

6 reasons why Split is unique in the market

1 Full Split R-32 indoor unit range for average and cold outdoor temperatures

BLUEVOLUTION

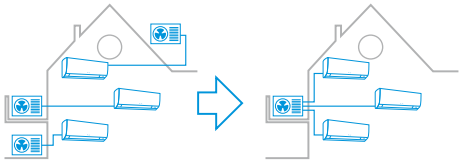
Refrigerant	Type	Model	Product name		15	20	25	30	35	40	42	50	60	71
Standard range	Wall mounted	Ururu Sarara Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling	FTXZ-N				A+++ A+++ (pair only)		A+++ A+++ (pair only)			A+++ A+++ (pair only)		
		Stylish Most compact design wall mounted unit	CTXA-AW/BS/BT/BB		● (multi only)									
			FTXA-AW/BS/BT/BB			A+++ A+++	A+++ A+++		A+++ A+++		A++ A++	A++ A++		
		Daikin Emura Design at its best, delivering superior efficiency and comfort	FTXJ-MW/S			A+++ A++	A+++ A++		A++ A++			A++ A+		
		Perfera Wall mounted unit design for high performance and high indoor air quality	CTXM-N		● (multi only)									
			FTXM-N			A+++ A+++	A+++ A+++		A+++ A+++		A++ A++	A++ A++	A++ A+	A++ A+
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXP-M9			A++ A++	A++ A++		A++ A++			A++ A+ (pair only)	A++ A+ (pair only)	A++ A+ (pair only)
		Sensira Wall mounted unit for low energy consumption and pleasant comfort	FTXF-B/A			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
		Sensira Wall mounted unit, offering good value for money	FTXC-B			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
	Floor standing	Floor standing unit Floor standing unit for optimal heating comfort thanks to dual airflow	FVXM-F				A++ A+		A++ A+			A++ A+		
	Concealed ceiling	Concealed ceiling unit Compact concealed ceiling unit, with a height of only 200mm	FDXM-F9				A+ A+		A A			A+ A	A A	
Siesta range	Wall mounted	Siesta wall mounted unit Discreet, modern design for optimal efficiency and comfort thanks to 2 area motion detection sensor	ATXM-N			● (multi only)	A+++ A+++		A+++ A+++			A++ A++		
		Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-A			A++ A+	A++ A+		A++ A+			A++ A+	A++ A+	A A
		Siesta wall mounted unit Discreet Siesta wall mounted unit providing high efficiency and comfort	ATXP-M			A++ A++	A++ A++		A++ A++					
		Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-B			A++ A+ (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A++ A+ (pair only)	A++ A+ (pair only)	A A (pair only)
Optimised heating range	Wall mounted	Stylish Most compact design wall mounted unit, even at ambient temperatures down to -25°C	FTXTA-AW					A++ A+++ (pair only)						
		Perfera Attractive, wall mounted design with perfect indoor air quality	FTXTM-M					A++ A+++ (pair only)		A++ A+++ (pair only)				
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXTP-K				A++ A++ (pair only)		A++ A++ (pair only)					
		Floor standing unit Floor standing unit for optimal heating comfort thanks to dual airflow	FVXM-F				A+ A+ (pair only)		A+ A+ (pair only)					
		Siesta wall mounted unit Discreet wall mounted unit providing high efficiency and comfort	ATXTP-K				A++ A++ (pair only)		A++ A++ (pair only)					

Energy efficiency class in cooling and heating (average climate)

Full R-32 outdoor unit range

Flexible configurations work in all homes
Whether you are looking for a single room solution or a system for your entire home, we can accommodate your needs.

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for air-conditioning three rooms

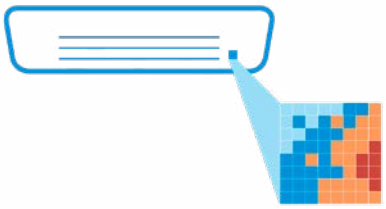
Solution for the same situation with only one multi split outdoor unit

Refrigerant	Type	Model	Product name		20	25	30	35	40	42	50	52	60	68	71	80	90
Standard range		Pair heat pump	RXZ-N			●		●			●						
			RXA-A/B		●	●		●		●	●						
			RXJ-M/N		●	●		●			●						
			RXM-N(9)		●	●		●		●	●		●		●		
			RXP-M		●	●		●			●		●		●		
			RXC-B		●	●		●			●		●		●		
			RXF-A/B		●	●		●			●		●		●		
		Multi heat pump	2-port MXM-M(9)						●		●						
			3-port MXM-N						●			●		●			
			4-port MXM-N											●		●	
			5-port MXM-N														●
Siesta range		Pair heat pump	ARXM-N9			●		●			●						
			ARXP-M		●	●		●									
			ARXC-B		●	●		●			●		●		●		
		Multi heat pump	2-port AMXM-M						●		●						
			3-port AMXM-M									●					
Optimised heating range		Pair heat pump down -25°C	RXTA-N				●										
			RXTM-N				● (pair only)		● (pair only)								
			RXTP-N9			● (pair only)		● (pair only)									
			ARXTP-N			● (pair only)		● (pair only)									

2 Best comfort through intelligent sensors

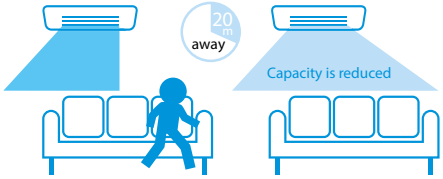
Intelligent thermal sensor

Stylish FTXA uses an intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate by directing the airflow that requires cooling or heating.



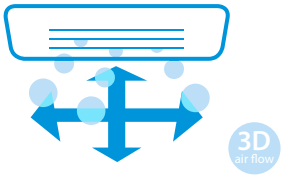
2-area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.



3-D air flow

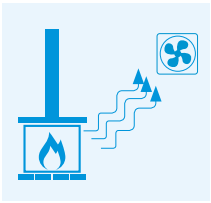
Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.



Fireplace logic

When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house

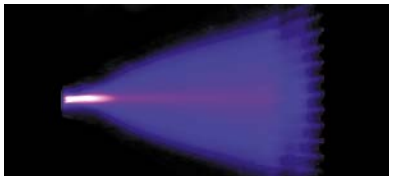
(Applicable for optimised heating FTXTM-M and FTXTA-AW)



3 Top air treatment through unique filtration

Flash streamer

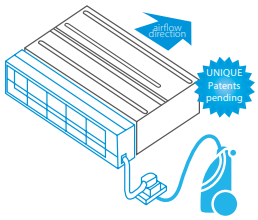
Using electrons to trigger chemical reactions with air molecules, the Flash Streamer breaks down viruses, leaving you with perfect, allergen-free air.



High-speed electrons generated by the Flash Streamer

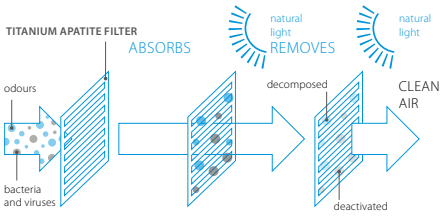
Auto cleaning filter

The filter automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.



Titanium apatite filter

Daikin's titanium apatite deodorising filter removes airborne dust particles and decomposes the odours of tobacco and pets, for example. It also traps and even deactivates harmful organic chemical substances like bacteria, viruses and allergens to ensure you enjoy a steady supply of clean air.



Silver allergen removal and air purifying filter:

captures allergens such as pollen and dust mites. The filter suppresses pollen and mites for 99% or more.

Catechin filter

The catechin filter deactivates captured bacteria, viruses and unpleasant odours.

4 Connectivity: WLAN available on all units

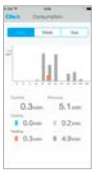
The Daikin Online Controller application can control and monitor up to 50 split air conditioning units. All Bluevolution units are connectable with the Daikin Online Controller.

Control

› Control operation mode, temperature, air purification, fan speed & direction

Schedule

› Schedule the set temperature, operation mode and fan speed



Monitor

› Monitor your energy consumption, set holiday schedule

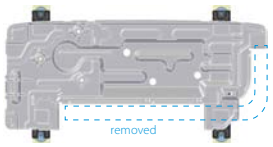
Identify

› Identify the rooms of your house

5 Reliability through best technology

To guarantee the seamless operation, even in temperatures as low as -25°C, the Optimised Heating 4 range offers enhanced features:

› A large size compressor for comfortable heating and capacity whenever needed
› Upgrades for fewer defrost cycles
› Extended pipe and drain connections for easier installation
› Free hanging coil: no need for a heater cable.
› Daikin unique swing compressor technology ensures high efficiency even during partial load operation.
› Standard anti-corrosion treatment «blue fin»: This special anti-corrosion coating ensures greater resistance to salt damage and atmospheric corrosion caused by such elements as sea spray and rain.



The new bottom frame discharges water directly to the ground.

Additional benefits:
- Releases melted ice around the heat exchanger
- Prevents ice buildup between legs and brackets

6 Iconic and award winning designs

Our Daikin Emura, Stylish and Ururu Sarara have earned several awards for their innovative look and functional capabilities.

reddot design award
winner 2013

White FTXA-AW

Silver FTXA-BS

GOOD DESIGN

DESIGN AWARD 2018

Blackwood FTXA-BT

Black FTXA-BB

reddot award 2018
winner

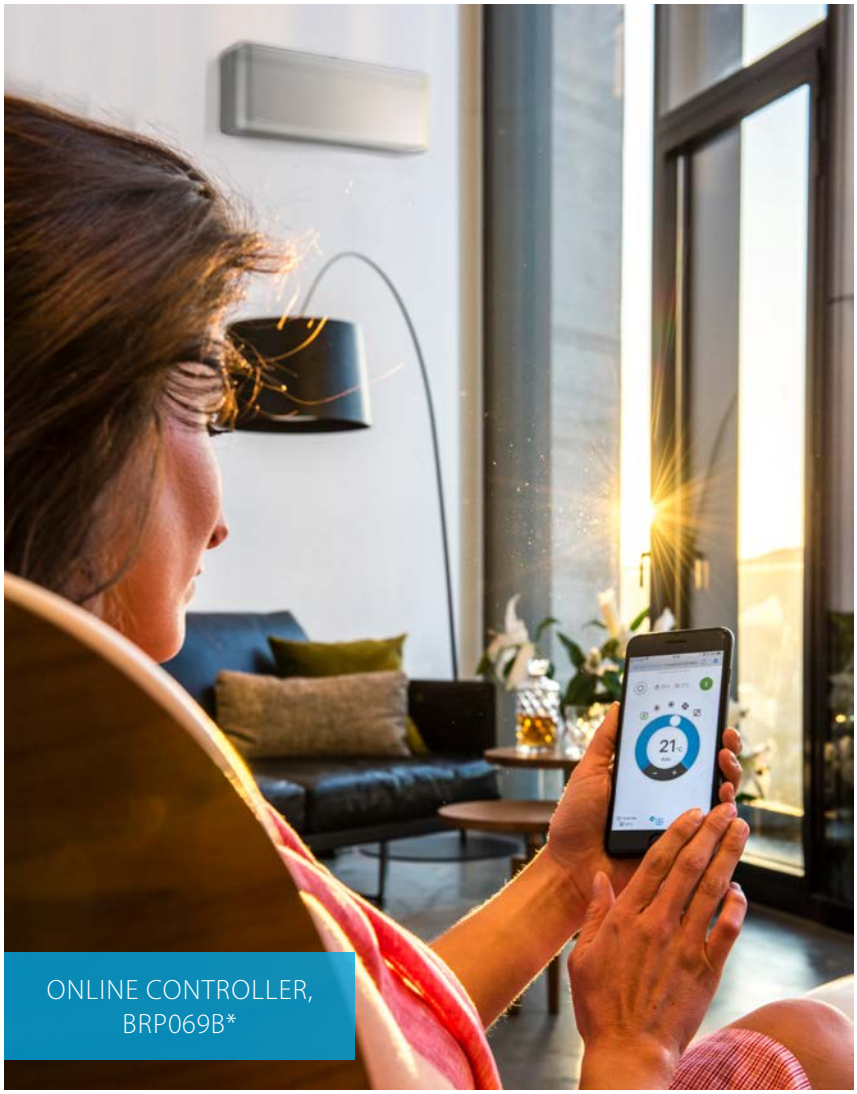
GOOD DESIGN

German Design Award
SPECIAL MENTION 2015

Focus Open 2014
Silver

reddot award 2014
winner

DESIGN AWARD 2015

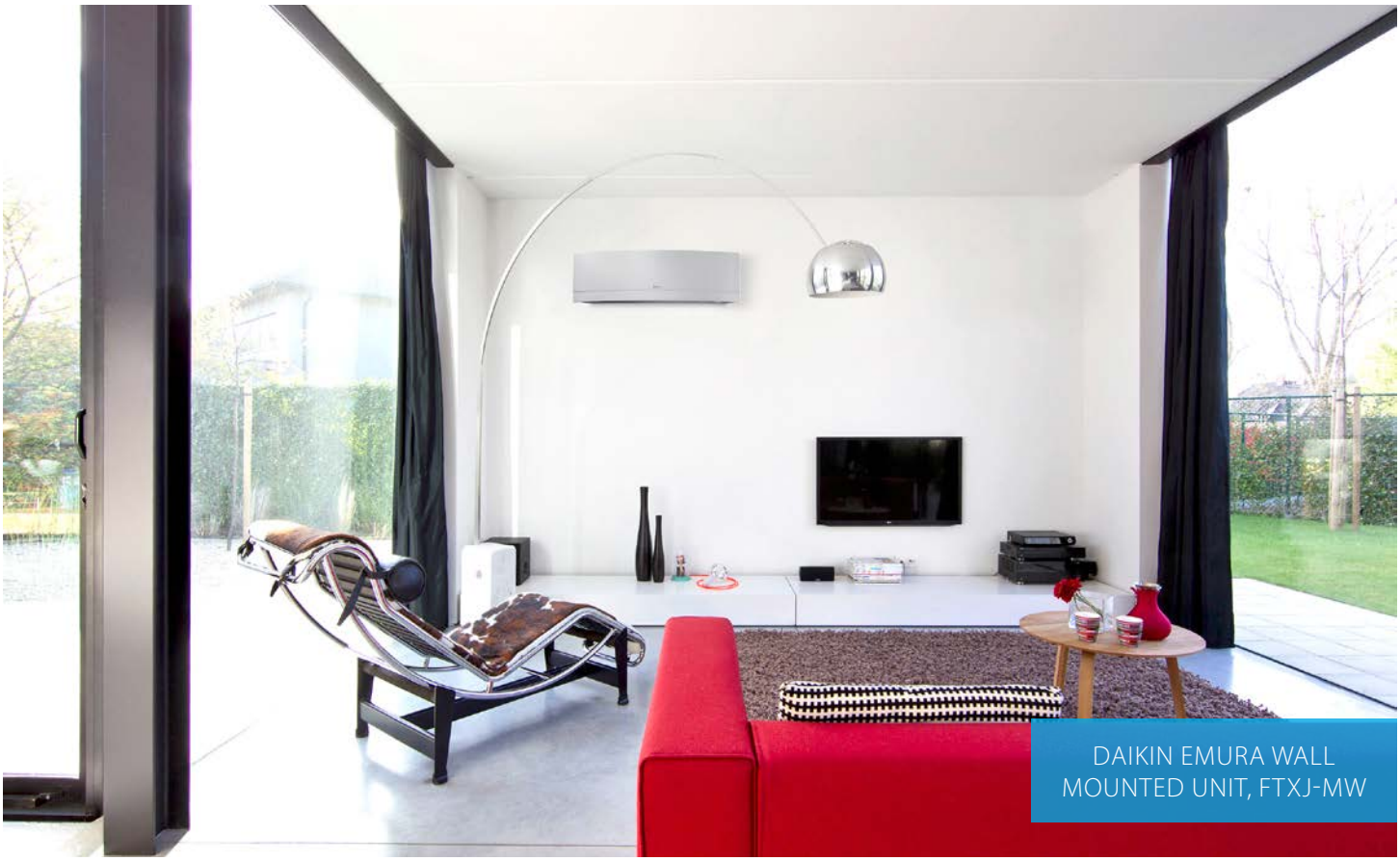


ONLINE CONTROLLER, BRP069B*

PERFERA WALL MOUNTED UNIT, FTXM-N

URURU SARARA WALL MOUNTED UNIT, FTXZ-N

STYLISH WALL MOUNTED UNIT, FTXA-BS



DAIKIN EMURA WALL MOUNTED UNIT, FTXJ-MW

Benefits overview

Split

BLUEVOLUTION

R-32

		Standard range								
		Wall mounted							Concealed ceiling	Floor standing
			NEW			UPDATE	UPDATE			
		FTXZ-N	C/FTXA-AW/BS/BT/BB	FTXJ-MW/S	C/FTXM-N	FTXP-M(9)	FTXF-B/A	FTXC-B	FDXM-F9	FVXM-F
We care	Econo mode	●	●	●	●	●	●			●
	2-area motion detection sensor			●	●					
	3- area motion detection sensor	●								
	Energy saving during operation standby	●	●	●	●	●	●	●		
	Home leave operation								●	
	Night set mode		●	●	●	●				●
	Fan only	●	●	●	●	●	●	●	●	●
	Auto cleaning filter	●							●*	
Comfort	Comfort mode	●	●	●	●	●	●			
	Powerful mode	●	●	●	●	●	●	●		●
	Auto cooling-heating changeover	●	●	●	●	●	●	●		●
	Whisper quiet (down to 19dBA)	●	●	●	●	●				
	Practically inaudible		●	●	●	●				
	Indoor unit silent operation	●	●	●	●	●	●			●
	Comfortable sleeping mode	●						●		
	Outdoor unit silent operation	●	●	●	●					●
	Fire place logic									
Air flow	3-D Air flow	●	●	●	●	●				
	Vertical auto swing	●	●	●	●	●	●	●		●
	Horizontal auto swing	●	●	●	●	●				
	Auto fan speed	●	●	●	●	●	●	●		●
	Fan speed steps	5	5	5	5	5	3	5	3	5
	Intelligent thermal sensor		●							
	Coanda Effect	● (cooling only)	● (cooling and heating)							
Humidity control	Ururu - humidification	●								
	Sarara - dehumidification	●								
	Dry programme		●	●	●	●	●	●	●	●
Air treatment	Flash streamer	●	●		●					
	Titanium apatite deodorising filter	●	●	●	●	●		●		●
	Silver allergen removal and air purifying filter			●		●				
	Air filter	●	●	●	●	●	●	●	●	●
Remote control & timer	Online controller / WLAN	●*	●	●	●	●*	●*	●*	●*	●*
	Weekly timer		●	●	●				●	●
	24 Hour timer	●		●	●	●	●	●	●	●
	Infrared remote control	●	●	●	●	●	●	●	●	●
	Wired remote control		●*	●*	●*				●*	
	Centralised remote control	●	●	●	●				●	●
	Multi zoning picto								●	
Other functions	Auto-restart	●	●	●	●	●	●	●	●	●
	Self-diagnosis	●	●	●	●	●	●	●	●	●
	Multi model application		●	●	●	● 20,25,35 class			●	●
	Guaranteed operation down to -25°C									

* available as option

Siesta range				Optimised heating range				
Siesta Wall mounted				NEW Wall mounted			NEW	Siesta Wall mounted
ATXM-N	ATXP-M	ATXF-A	ATXC-B	FTXTA-AW	FTXTM-M	FTXTP-K	FVXM-F	ATXTP-K
●	●	●		●	●	●	●	●
●					●			
●	●	●	●	●	●	●		●
●	●			●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●		●	●	●		●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●								
	●			●	●			
●	●	●		●	●	●	●	●
			●					
●				●	●		●	
				●	●			
●	●			●	●			
●	●	●	●	●	●	●	●	●
●	●			●	●			
●	●	●	●	●	●	●	●	●
5	5	3	5	5	5	5	5	5
				●				
				●				
●	●	●	●	●	●	●	●	●
●				●	●			
	●			●		●	●	●
	●							
●	●	●	●	●	●	●	●	●
●*	●*	●*	●*	●	●*	●*	●*	●*
●				●	●		●	
●	●	●	●		●	●	●	●
●	●	●	●	●	●	●	●	●
●*				●*	●*			
●				●	●		●	
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	● 20,25,35 class							
				●	●	●	●	●

The best of the best

Why choose Ururu Sarara?

The Daikin Ururu Sarara brings a new level of sophisticated control to air conditioning. It has five air treatment techniques which together provide a total comfort solution. In addition, the Ururu Sarara range has SEER and SCOP A+++ ratings thanks to its energy efficient compressor and heat exchanger. Because of its innovative technology, as well as its design, it won the prestigious Red Dot design award in 2013.

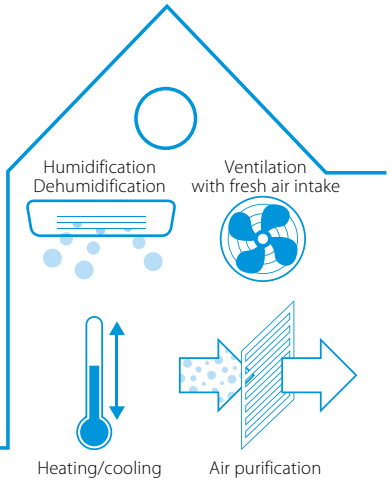
5 air treatment techniques

- Heating and cooling in one unit, for year-round comfort with the highest energy label available
- In winter, the Ururu function replenishes the moisture in the air to maintain a comfortable feel without unnecessary heating
- In summer, the Sarara function removes excess moisture while maintaining an even temperature thus eliminating the need for extra cooling
- Ventilation for fresh air even with closed windows
- Air purification and automatic filter cleaning to remove allergens, bacteria and viruses to supply clean air

reddot design award
winner 2013

A+++

BLUEVOLUTION



Flash Streamer: releases streams of high-speed electrons with strong oxidation power
Pre-filter: catches dust

flash streamer
ONLY BY DAIKIN

Titanium apatite deodorising filter: captures allergens, bacteria & viruses and deodorizes smells of for example tobacco and pets

BLUEVOLUTION

Ururu Sarara

Wall mounted unit

Complete climate control with (de) humidification, air purification & ventilation with top efficiencies in heating & cooling

- Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- 3 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- No need to clean filters, thanks to the self cleaning filter
- Seasonal efficiency values: full range A+++ in cooling and heating
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Reddot design award winner 2013

FTXZ-N

RXZ-N

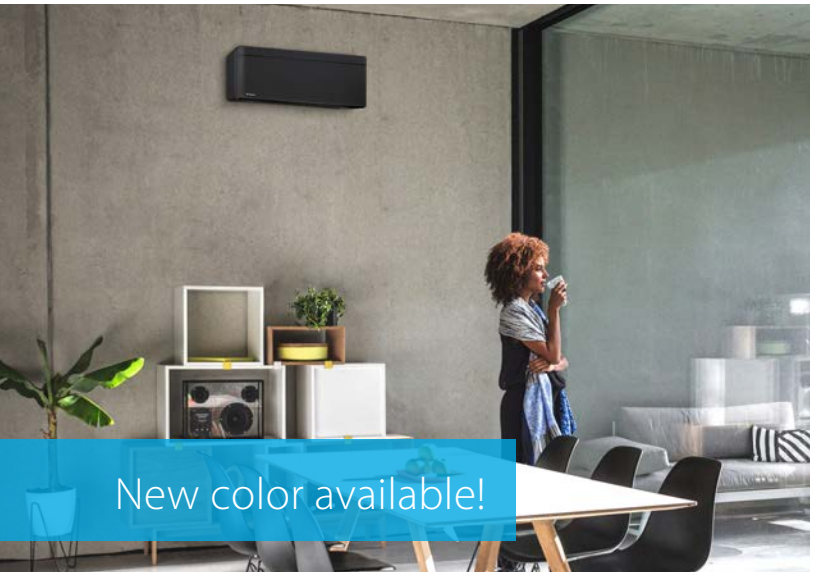
ARC477A1

BRP069B42

Efficiency data				FTXZ + RXZ	25N + 25N	35N + 35N	50N + 50N
Cooling capacity	Min./Nom./Max.			kW	0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Nom./Max.			kW	0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling		Min./Nom./Max.	kW	0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating		Min./Nom./Max.	kW	0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Space cooling	Energy efficiency class					A+++	
	Capacity		Pdesign	kW	2.50	3.50	5.00
	SEER				9.54	9.00	8.60
	Annual energy consumption			kWh/a	92	136	203
Space heating (Average climate)	Energy efficiency class					A+++	
	Capacity		Pdesign	kW	3.50	4.50	5.60
	SCOP/A				5.90	5.73	5.50
	Annual energy consumption			kWh/a	831	1,100	1,427
Nominal efficiency	EER				6.10	5.30	4.55
	COP				5.80	5.00	4.47
	Annual energy consumption			kWh	205	330	550
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit				FTXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm		295x798x372	
Weight	Unit			kg		15	
Air filter	Type					Auto cleaning filter	
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min	4.0/5.3/10.7	4.0/5.6/12.1	4.6/6.6/15.0
		Heating	Silent operation/Low/High	m^3/min	4.8/6.7/11.7	4.8/6.9/13.3	5.9/7.7/14.4
Sound power level	Cooling			dBA	54	57	60
	Heating			dBA	56	57	59
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA	19/26/33/38	19/27/35/42	23/30/38/47
	Heating	Silent operation/Low/Nom./High		dBA	19/28/35/39	19/29/36/42	24/31/38/44
Control systems	Infrared remote control					ARC477A1	
	Wired remote control					-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				RXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm		693x795x300	
Weight	Unit			kg		50	
Sound power level	Cooling			dBA	59	61	63
	Heating			dBA	59	61	64
Sound pressure level	Cooling	High		dBA	46	48	49
	Heating	High		dBA	46	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~43	
	Heating	Ambient	Min.~Max.	°CWB		-20~18	
Refrigerant	Type					R-32	
	GWP					675	
	Charge			kg/TCO2Eq		1.34/0.9	
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.5	
	Piping length	OU - IU	Max.	m		10	
	Level difference	IU - OU	Max.	m		8	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		16	



Stylish where innovation meets creativity

NEW COLOR - BLACK

White FTXA-AW

Silver FTXA-BS

Black FTXA-BB

Blackwood FTXA-BT

Available in 4 colours

› Users can choose from **four distinct colours** (white, silver, black and blackwood)
› **Curved corners** create an unobtrusive and space-saving design
› **Thin dimensions** make it the most compact design unit on the market
› Simple panel enables variation in texture and colour to easily blend into any room
› Award winning design: Stylish earned the Reddot award, the Good Design Award and iF award for its innovative look and functional capabilities

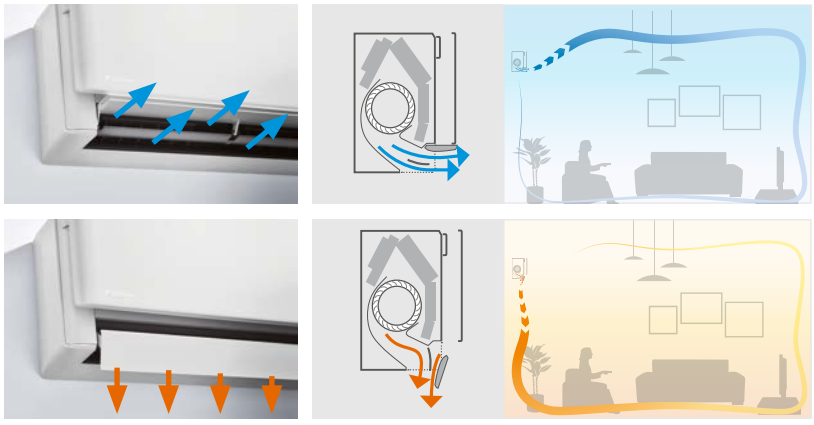
DESIGN AWARD 2018

reddot award 2018 winner

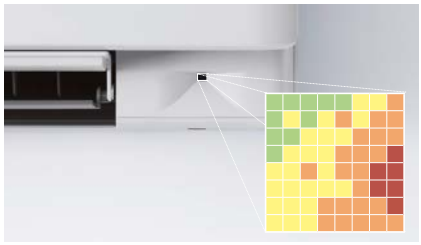
GOOD DESIGN AWARD 2017

The Coanda effect

Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



The Coanda effect creates two different airflow patterns depending on whether Stylish is in cooling or heating mode. On the top is the Coanda effect in cooling mode (ceiling airflow), while the bottom images demonstrate the Coanda effect in heating mode (vertical airflow).

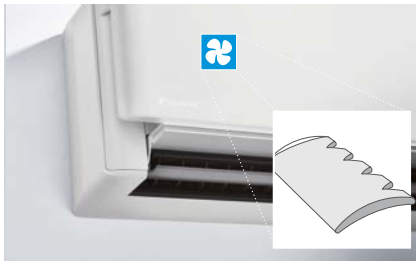


The intelligent thermal sensor measures the surface temperature of a room by dividing it into a grid with 64 different squares.

Intelligent thermal sensor

Stylish uses an **intelligent thermal sensor** to detect the surface temperature of a room to create a more comfortable climate.

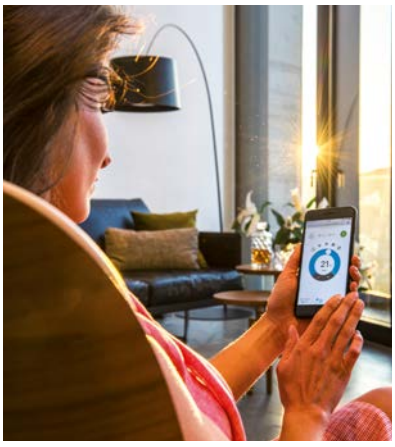
After determining the current room temperature, the grid eye sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.



Sound dispersion and noise reduction are the results of a special fan design.

Quiet operation

Stylish uses a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels.
To achieve higher energy efficiency, Daikin designed a fan that runs efficiently within Stylish's compact dimensions. Together, the fan and heat exchanger attain top energy performance but operate at a sound level that is practically inaudible to occupants.



Daikin Online Controller

You can also manage Stylish using your smartphone. Simply connect to Wi-Fi and download the Daikin Online Controller app to begin creating your perfect climate.

Your benefits

› Access several features to control your climate
› Manage the temperature, operating mode, air purification and fans with interactive thermostat
› Create different schedules and operation modes
› Monitor energy consumption
› Compatible with the If This Then That (IFTTT) app

BLUEVOLUTION stylish

Wall mounted unit

Most compact design wall mounted unit

- A compact and functional design suitable for all interiors in a white, black, silver and blackwood coloured elegant finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating

GOOD DESIGN

DESIGN AWARD 2018

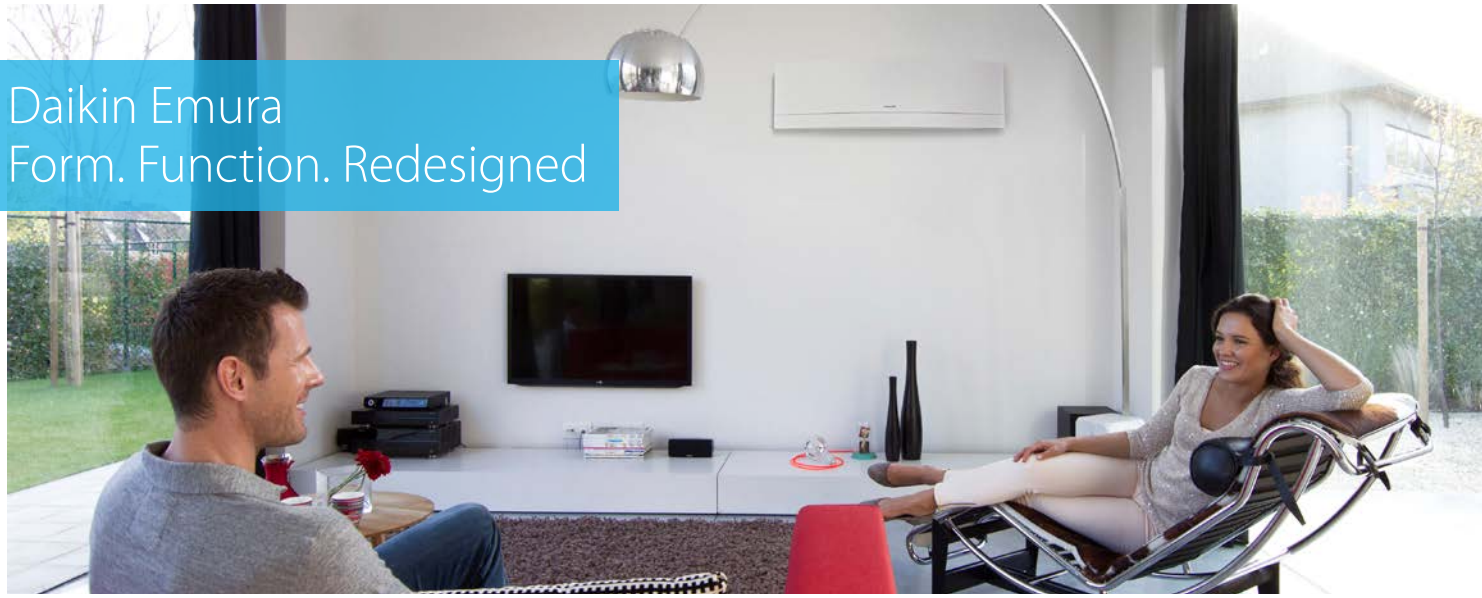
reddot award 2018 winner

Efficiency data				FTXA + RXA	CTXA15 AW/BS/BT/BB	20AW/BS/BT/BB + 20A	25AW/BS/BT/BB + 25A	35AW/BS/BT/BB + 35A	42AW/BS/BT/BB + 42B	50AW/BS/BT/BB + 50B
Cooling capacity	Min./Nom./Max.			kW	Connectable to multi outdoor units only	1.3/2.0/2.6	1.3/2.5/3.2	1.4/3.4/4.0	1.7/4.2/5.0	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW		1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/6.50
Power input	Cooling		Min./Nom./Max.	kW		0.27/0.43/0.63	0.27/0.56/0.78	0.31/0.78/1.04	-/1.05/-	-/1.36/-
	Heating		Min./Nom./Max.	kW		0.25/0.50/0.91	0.25/0.56/1.22	0.26/0.99/1.67	-/1.31/-	-/1.45/-
Space cooling	Energy efficiency class						A+++		A++	
	Capacity		Pdesign	kW		2.00	2.50	3.40	4.20	5.00
	SEER					8.75	8.74	8.73	7.50	7.33
	Annual energy consumption			kWh/a		80	101	137	196	239
Space heating (Average climate)	Energy efficiency class						A+++		A++	
	Capacity		Pdesign	kW		2.40	2.45	2.50	3.80	4.00
	SCOP/A						5.15		4.60	
	Annual energy consumption			kWh/a		653	666	680	1,150	1,217
Nominal efficiency	EER					4.70	4.46	4.37	3.99	3.68
	COP					5.00		4.04	4.12	4.00
	Energy labeling Directive			Cooling/Heating				A/A		

Indoor unit				FTXA	CTXA15 AW/BS/BT/BB	20AW/BS/BT/BB	25AW/BS/BT/BB	35AW/BS/BT/BB	42AW/BS/BT/BB	50AW/BS/BT/BB
Dimensions	Unit	HeightxWidthxDepth		mm	295x798x189					
Weight	Unit			kg	12					
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6 / 6.1 / 8.2 / 11.0	4.6/6.1/8 /11.0	4.6/6.1/9 /11.5	4.6/6.1/9 /11.9	4.6/7.2/10 /13.1	5.2/7.6/10 /13.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.5/6.4/8.7 /10.9		4.5/6.4/9.0 /11.1	4.5/6.4/9.0 /11.5	5.2/7.7/10.5 /14.6	5.7/8.2/11.1 /15.1
Sound power level	Cooling			dBA	57			60		
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46 24/33/46
Control systems	Infrared remote control				ARC466A58					
	Wired remote control				BRC073					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				RXA		20A	25A	35A	42B	50B
Dimensions	Unit	HeightxWidthxDepth		mm	Connectable to multi outdoor units only	550x765x285			734x870x373	
Weight	Unit			kg		32			50	
Sound power level	Cooling			dBA		59		61	62.0	
	Heating			dBA		59		61	62.0	
Sound pressure level	Cooling	Nom.		dBA		46		49	48.0	
	Heating	Nom.		dBA		47		49	48.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46				
	Heating	Ambient	Min.~Max.	°CWB		-15~18				
Refrigerant	Type					R-32				
	GWP					675.0				
	Charge			kg/TCO2Eq		0.76/0.52			1.10/0.75	
Piping connections	Liquid	OD		mm		6.35			6.4	
	Gas	OD		mm		9.50			12.7	
	Piping length	OU - IU	Max.	m		20			30	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m		15.0			20	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A		10	13			

DAIKIN emura



Daikin Emura
Form. Function. Redesigned

Why choose Daikin Emura?

- Unique **design**
  Designed in Europe for Europe.
- High seasonal **efficiency**, further improved by energy saving techniques like weekly timer and motion detection sensor
- Optimal **comfort** thanks to advanced technologies e.g. 2-area motion detection sensor, whisper quiet operation and online controller

Benefits

› A remarkable blend between iconic design and engineering excellence
› Stylish design in matt crystal white and silver
› Whisper quiet with sound levels down to 19 dBA
› Horizontal and vertical autoswing
› 2-area motion detection sensor saves energy by reducing the set point if nobody is present and directs airflow away from people, thus avoiding cold draught
› Weekly timer
› Connectable to pair, multi and (mini) VRV
› Online controller: Always in control no matter where you are

Unique design

Daikin is the only manufacturer offering a design model designed in Europe for the European market, using European technical and design standards to meet exactly with the customer's needs. Daikin Europe N.V. is also proud to announce that Daikin Emura has been awarded with several design awards.

Improved energy efficiency

Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season. The label includes multiple classifications from A+++ to G. Daikin Emura achieves high energy efficiencies:
› SEER up to A+++
› SCOP up to A++

Lowest environmental impact

› Available in R-32
R-32

Comfort

› 2-Area motion detection sensor: Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.
› Whisper quiet: Daikin Emura is whisper quiet with sound levels down to 19dBA.

GOOD DESIGN
German Design Award SPECIAL MENTION 2015
Focus Open 2014 Silver
reddot award 2014 winner
iF DESIGN AWARD 2015

BLUEVOLUTION

DAIKIN emura

Wall mounted unit

Design at its best, delivering superior efficiency and comfort

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white and silver
- Daikin Emura has been awarded many times, thanks to its excellent design
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				FTXJ + RXJ	20MW + 20M	20MS + 20M	25MW + 25M	25MS + 25M	35MW + 35M	35MS + 35M	50MW + 50N	50MS + 50N
Cooling capacity	Min./Nom./Max.			kW	1.30/2.30/2.80		0.90/2.40/3.30		0.90/3.50/4.10		1.40/4.80/5.50	
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/4.30		0.90/3.20/4.70		0.90/4.00/5.10		1.10/5.80/7.00	
Power input	Cooling	Nom.		kW	0.50		0.51		0.86		1.43	
	Heating	Nom.		kW	0.50		0.70		0.99		1.59	
Space cooling	Energy efficiency class					A+++				A++		
	Capacity	Pdesign		kW	2.30		2.40		3.50		4.80	
	SEER				8.73		8.64		7.19		7.02	
	Annual energy consumption			kWh/a	92		97		170		239	
Space heating (Average climate)	Energy efficiency class						A++				A+	
	Capacity	Pdesign		kW	2.10		2.70		3.00		4.60	
	SCOP/A						4.60				4.28	
	Annual energy consumption			kWh/a	639		821		913		1,505	
Nominal efficiency	EER				4.64		4.73		4.09		3.35	
	COP				5.00		4.57		4.04		3.65	
	Annual energy consumption			kWh	248		254		428		715	
	Energy labeling Directive	Cooling/Heating					A/A					

Indoor unit				FTXJ/FTXJ	20MW	20MS	25MW	25MS	35MW	35MS	50MW	50MS
Dimensions	Unit	HeightxWidthxDepth		mm	303x998x212							
Weight	Unit			kg	12							
Air filter	Type				Removable / washable							
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	2.6/4.4/6.6/8.9				2.9/4.8/7.8/10.9		3.6/6.8/8.9/10.9	
		Heating	Silent operation/ Low/Medium/High	m^3/min	3.8/6.3/8.4/10.2		3.8/6.3/8.6/11.0		4.1/6.9/9.6/12.4		5.0/8.1/10.5/12.6	
Sound power level	Cooling			dBA	54				59		60	
	Heating			dBA	56				59		60	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/38				20/26/45		25/35/46	
	Heating	Silent operation/Low/High		dBA	19/28/40		19/28/41		20/29/45		25/35/47	
Control systems	Infrared remote control				ARC466A9							
	Wired remote control				-							

Outdoor unit				RXJ/RXJ	20M	20M	25M	25M	35M	35M	50N	50N
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285						734x870x373	
Weight	Unit			kg	32						50	
Sound power level	Cooling			dBA	59				61		63.0	
	Heating			dBA	59				61		63.0	
Sound pressure level	Cooling	Nom.		dBA	46				49		48.0	
	Heating	Nom.		dBA	47				49		48.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~18							
Refrigerant	Type				R-32							
	GWP				675.0							
	Charge			kg/TCO2Eq	0.76/0.52						1.15/0.78	
Piping connections	Liquid	OD		mm	6.35						6.4	
	Gas	OD		mm	9.50						12.7	
	Piping length	OU - IU	Max.	m	20						30	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)							
	Level difference	IU - OU	Max.	m	15.0						20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)			A	10						13	

Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load | 240V | 230V | 220V | See separate drawing for electrical data | See separate drawing for operation range | Contains fluorinated greenhouse gases | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m.

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Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				FTXM + RXM	20N + 20N9	25N + 25N9	35N + 35N9	42N + 42N9	50N + 50N9	60N + 60N9	71N + 71N
Cooling capacity	Min./Nom./Max.			kW	1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/8.50
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/7.70	1.70/7.00/8.00	2.30/8.20/10.20
Power input	Cooling		Nom.	kW	0.44	0.56	0.80	0.97	1.36	1.77	2.34
	Heating		Nom.	kW	0.50	0.56	0.99	1.31	1.45	1.94	2.57
Space cooling	Energy efficiency class					A+++				A++	
	Capacity		Pdesign	kW	2.00	2.50	3.40	4.20	5.00	6.00	7.10
	SEER					8.65		7.85	7.41	6.90	6.20
	Annual energy consumption			kWh/a	81	101	138	187	236	304	401
Space heating (Average climate)	Energy efficiency class					A+++			A++		A+
	Capacity		Pdesign	kW	2.30	2.40	2.50	4.00	4.60	4.80	6.20
	SCOP/A					5.10			4.71	4.30	4.10
	Annual energy consumption			kWh/a	632	659	687	1,189	1,369	1,562	2,115
Nominal efficiency	EER				4.57	4.50	4.23	4.33	3.68	3.39	3.03
	COP				5.00		4.04	4.12	4.00	3.61	3.19
	Annual energy consumption			kWh	219	278	402	485	679	885	1,172
	Energy labeling Directive		Cooling/Heating				A/A				B/D

Indoor unit				FTXM	20N	25N	35N	42N	50N	60N	71N
Dimensions	Unit	HeightxWidthxDepth		mm	294x811x272				300x1,040x295		
Weight	Unit			kg	10.0				14.5		
Air filter	Type				Removable / washable						
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/6.0/7.9/11.1	4.4/6.2/8.1/11.1	4.6/6.4/8.3/12.3	4.6/7.1/9.5/12.6	8.1/11.6/14.2/16.1	9.1/12.0/14.6/17.1	10.1/12.5/15.0/17.6
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.7/10.8	5.3/6.8/8.7/10.8	5.3/7.1/9.0/10.8	5.3/7.1/10.4/13.0	10.7/12.2/14.6/17.1	11.2/12.6/15.6/17.7	11.9/13.0/16.2/18.4
Sound power level	Cooling			dBA	57		58	60	58	60	
	Heating			dBA	54			60	58	59	61
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/41		19/29/45	21/30/45	27/36/44	30/37/46	32/38/47
	Heating	Silent operation/Low/High		dBA	20/26/39	20/27/39	20/28/39	21/29/45	31/34/43	33/36/45	34/37/46
Control systems	Infrared remote control				ARC466A33						
	Wired remote control				BRC073A1						

Outdoor unit				RXM/RXM	20N9	25N9	35N9	42N9	50N9	60N9	71N
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285			734x870x373			734x870x320
Weight	Unit			kg	32			50			56
Sound power level	Cooling			dBA	59	58	61	62		63	66
	Heating			dBA	59		61	62		63	67
Sound pressure level	Cooling	Nom.		dBA	46		49	48			47
	Heating	Nom.		dBA	47		49	48	49		48
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50						-10~46
	Heating	Ambient	Min.~Max.	°CWB	-20~24						-15~18
Refrigerant	Type				R-32						
	GWP				675						
	Charge			kg/TCO2Eq	0.76/0.52			1.10/0.75	1.15/0.78		
Piping connections	Liquid	OD		mm	6.35			6.4			
	Gas	OD		mm	9.50			12.7			15.90
	Piping length	OU - IU	Max.	m	20			30			
		System	Chargeless	m	10			-			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU	Max.	m	15			20			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	10	13					20

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9 | Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B | Contains fluorinated greenhouse gases | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

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Wall mounted unit

Discreet wall mounted unit providing high efficiency and comfort

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A++ in cooling and heating

› Space saving contemporary wall mounted design

Efficiency data				FTXP + RXP	20M9 + 20M	25M9 + 25M	35M9 + 35M	50M + 50M	60M + 60M	71M + 71M
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80	1.7/6.0/7.7	1.7/7.0/8.0	2.3/8.2/9.0
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.50/0.72	0.31/0.65/0.72	0.29/1.01/1.30	0.320/1.385/1.826	0.332/1.824/2.980	0.449/2.689/3.274
	Heating		Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/1.00/1.29	0.440/1.579/2.356	0.456/1.928/2.787	0.617/2.571/3.306
Space cooling	Energy efficiency class						A++			
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.0	6.0	7.1
	SEER				6.79	6.92	6.62	7.30	6.82	6.20
	Annual energy consumption			kWh/a	103	126	186	240	308	401
Space heating (Average climate)	Energy efficiency class					A++			A+	
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.65	4.61	4.64	4.40	4.10	4.01
	Annual energy consumption			kWh/a	662	728	845	1,463	1,638	2,166
Nominal efficiency	EER				4.02	3.83	3.49	3.61	3.29	2.64
	COP				4.77	4.36	4.02	3.80	3.63	3.19
	Annual energy consumption			kWh	249	326	-	693	912	1,345
	Energy labeling Directive		Cooling/Heating			A/A			-/-	

Indoor unit				FTXP	20M9	25M9	35M9	50M	60M	71M
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	8.50		9.00	13.5		
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5	8.3/11.5/14.0/16.3	9.2/11.8/14.4/16.8	10.1/11.8/14.4/16.8
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5	10.4/11.8/14.4/17.3	11.0/12.4/15.3/17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/26/40	20/27/43	27/34/43	30/36/45	32/37/46
	Heating	Silent operation/Low/High/Super high		dBA	21/28/39/-	21/28/40/-	21/29/40/-	-/30/38/42	-/32/40/44	-/33/41/45
Control systems	Infrared remote control				ARC480A53					
	Wired remote control				BRC944B2 / BRC073A1			-		

Outdoor unit				RXP	20M	25M	35M	50M	60M	71M
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275			734x870x373		
Weight	Unit			kg	26		28	46.0	50.0	
Sound power level	Cooling			dBA	60		62	61	63	66
	Heating			dBA	61		62	61	63	65
Sound pressure level	Cooling	Nom./High		dBA	-/46		-/48	47/-	49/-	52/-
	Heating	Nom./High		dBA	-/47		-/48	49/-		52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.55/0.37		0.70/0.48	0.90/0.61	1.15/0.78	
Piping connections	Liquid	OD		mm	6.35			6.4		
	Gas	OD		mm	9.5			12.7		
	Piping length	OU - IU	Max.	m	15			30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

See separate drawing for electrical data | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Contains fluorinated greenhouse gases | See separate drawing for operation range

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Wall mounted unit

Wall mounted unit for low energy consumption and pleasant comfort

- Seasonal efficiency values up to A++ in cooling
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet in operation down to 21 dBA
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

FTXF-B/A

RXF20-35B/A

BRC52A

BRP069B45

Efficiency data				**FTXF + RXF**	**20B + 20B**	**25B + 25B**	**35A + 35A**	**50A + 50B**	**60A + 60B**	**71A + 71A**
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.30/3.8	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/2.80/4.00	1.30/3.50/4.80	1.7/6.0/7.70	1.7/6.4/8.00	2.3/8.2/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.51/0.72	0.31/0.76/1.05	0.29/1.00/1.30	0.320/1.502/1.826	0.332/1.846/2.980	0.449/2.773/3.274
	Heating		Min./Nom./Max.	kW	0.25/0.60/0.95	0.25/0.70/1.11	0.29/0.94/1.29	0.440/1.617/2.356	0.456/1.628/2.787	0.617/2.603/3.306
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.00	6.00	7.10
	SEER				6.15	6.22	6.21		6.15	5.15
	Annual energy consumption			kWh/a	114	141	197	282	342	483
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.10	4.06				3.81
	Annual energy consumption			kWh/a	751	827	965	1,585	1,653	2,278
Nominal efficiency	EER				3.94	3.30		3.33	3.25	2.56
	COP				4.19	4.01	3.71		3.93	3.15
	Annual energy consumption			kWh	255	380	500	751	923	1,387
	Energy labeling Directive		Cooling/Heating		A/A				-/-	

Indoor unit				**FTXF**	**20B**	**25B**	**35A**	**50A**	**60A**	**71A**
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	8.5		9.0		13.5	
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/5.9/7.9 /9.8	4.4/6.1/8.1 /10.1	4.5/6.3/8.3 /11.5	10.5/11.9/14.4 /16.8	10.7/12.2/14.8 /17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.4 /10.3	5.3/6.7/8.6 /10.3	5.3/7.0/9.0 /11.5	10.7/12.2/14.8 /17.3	11.3/12.8/15.8 /17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/25/39	20/26/40	20/27/43	31/34/43	33/36/45	34/37/46
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40	30/33/42	32/35/44	33/36/45
Control systems	Infrared remote control				ARC470A1					
	Wired remote control				BRC944B2 / BRC073A1			BRC073A1		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				**RXF**	**20B**	**25B**	**35A**	**50B**	**60B**	**71A**
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275			734x870x373		
Weight	Unit			kg	26		28	46.0	50.0	
Sound power level	Cooling			dBA	60		62	61	63	66
	Heating			dBA	61		62	61	63	65
Sound pressure level	Cooling	Nom./High		dBA	-/46		-/48	47/-	49/-	52/-
	Heating	Nom./High		dBA	-/47		-/48	49/-		52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~25					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.65/0.44		0.70/0.48	0.90/0.61	1.15/0.78	
Piping connections	Liquid	OD		mm	6.35			6.4		
	Gas	OD		mm	9.5			12.7		
	Piping length	OU - IU	Max.	m	15			30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

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Wall mounted unit

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

FTXC25-35B

RXC25-35B

BRC52B66

BRP069B45

Efficiency data				**FTXC + RXC**	**20B + 20B**	**25B + 25B**	**35B + 35B**	**50B + 50B**	**60B + 60B**	**71B + 71B**
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0/3.0	1.3/2.56/3.0	1.3/3.5/4.0	1.4/5.1/6.2	1.8/6.2/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.3/2.5/4.0	1.3/2.84/4.0	1.30/4.0/4.80	1.36/5.62/6.60	1.48/6.40/8.00	2.30/8.0/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.30/0.595/1.15	0.30/0.765/1.15	0.32/1.05/1.74	0.30/1.55/2.11	0.38/1.89/2.05	0.44/2.38/2.54
	Heating		Min./Nom./Max.	kW	0.28/0.670/1.35	0.28/0.750/1.35	0.28/1.07/1.57	0.27/1.52/1.85	0.33/1.68/2.35	0.50/2.46/2.74
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	SEER				6.89	6.84	6.87	6.45	6.40	5.30
	Annual energy consumption			kWh/a	106	132	175	276	340	459
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A				4.40	4.45	4.28	4.42	4.24	3.81
	Annual energy consumption			kWh/a	594	700	732	1,236	1,354	2,334
Nominal efficiency	EER				3.36	3.35		3.29	3.30	2.98
	COP				3.73	3.79	3.74	3.71	3.81	3.25
	Energy labeling Directive		Cooling/Heating		A/A					C/C

Indoor unit				**FTXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	288x785x250				297x1,010x288	
Weight	Unit			kg	9.00		9.50		13.0	
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	5.4/6.5/9/10.8			7.4/8.2/10/12.2	10.2/13.6/16/20.4	
Sound power level	Cooling			dBA	54		55	57	60	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/26/38		21/26/39	29/33/45	30/38/46	
Control systems	Infrared remote control				BRC52B66					
	Wired remote control				-					

Outdoor unit				**RXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	24.0		26.0	39.0		45.0
Sound power level	Cooling			dBA	58		60	65	66	69
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46			-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.550/0.371		0.750/0.506	1.00/0.675	1.10/0.743	1.15/0.776
Piping connections	Liquid	OD		mm	6.4					
	Gas	OD		mm	9.52			12.7		
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	8					
	Additional refrigerant charge			kg/m	0,017 (for piping length exceeding 7.5m)					
	Level difference	IU - OU	Max.	m	15.0			20.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16			20		

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Floor standing unit

Floor standing unit for optimal heating comfort thanks to dual airflow

- Seasonal efficiency values up to A++ in cooling
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet operation: down to 23dBA sound pressure level
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

FVXM25-35-50F

RXM20-35N9

ARC452A1

BRP069B42

Efficiency data				**FVXM + RXM**	**25F + 25N9**	**35F + 35N9**	**50F + 50N9**
Cooling capacity	Min./Nom./Max.			kW	1.30/2.50/3.00	1.40/3.50/3.80	1.40/5.00/5.60
Heating capacity	Min./Nom./Max.			kW	1.30/3.40/4.50	1.40/4.50/5.00	1.40/5.80/8.10
Power input	Cooling	Nom.		kW	0.60	1.09	1.55
	Heating	Nom.		kW	0.77	1.19	1.60
Space cooling	Energy efficiency class					A++	
	Capacity	Pdesign		kW	2.50	3.50	5.00
	SEER				7.20	6.43	6.80
	Annual energy consumption			kWh/a	120	190	257
Space heating (Average climate)	Energy efficiency class					A+	
	Capacity	Pdesign		kW	2.40	2.90	4.20
	SCOP/A				4.56	4.00	
	Annual energy consumption			kWh/a	737	1,015	1,471
Nominal efficiency	EER				4.20	3.21	3.23
	COP				4.42	3.78	3.63
	Annual energy consumption			kWh	298	545	773
	Energy labeling Directive	Cooling/Heating				A/A	

Indoor unit				**FVXM**	**25F**	**35F**	**50F**
Dimensions	Unit	HeightxWidthxDepth		mm		600x700x210	
Weight	Unit			kg		14	
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.8/6.5/8.2	4.5/4.9/6.7/8.5	6.6/7.8/8.9/10.1
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.4/5.0/6.9/8.8	4.7/5.2/7.3/9.4	7.1/8.5/10.1/11.8
Sound power level	Cooling			dBA		52	57
	Heating			dBA		52	58
Sound pressure level	Cooling	Silent operation/Low/High		dBA	23/26/38	24/27/39	32/36/44
	Heating	Silent operation/Low/High		dBA	23/26/38	24/27/39	32/36/45
Control systems	Infrared remote control					ARC452A1	
	Wired remote control					-	

Outdoor unit				**RXM**	**25N9**	**35N9**	**50N9**
Dimensions	Unit	HeightxWidthxDepth		mm		550x765x285	734x870x373
Weight	Unit			kg		32	50
Sound power level	Cooling			dBA	58	61	62
	Heating			dBA	59	61	62
Sound pressure level	Cooling	Nom.		dBA	46	49	48
	Heating	Nom.		dBA	47	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	GWP					675	
	Charge			kg/TCO2Eq		0.76/0.52	1.15/0.78
Piping connections	Liquid	OD		mm		6.35	6.4
	Gas	OD		mm		9.50	12.7
	Piping length	OU - IU	Max.	m		20	30
		System	Chargeless	m		10	-
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		15	20
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		13	

See separate drawing for electrical data | See separate drawing for operation range | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | 240V | 230V | 220V | 50Hz, 220-230-240V | Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9 | Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B | Contains fluorinated greenhouse gases

BLUEVOLUTION

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Unified indoor unit range for R-32 and R-410A
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Low energy consumption thanks to DC fan motor

Efficiency data				FDXM + RXM	25F9 + 25N9	35F9 + 35N9	50F9 + 50N9	60F9 + 60N9
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+++	A+++	A+++	A+++
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	ηs,c			%	-			
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+++		A+++	
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	ηs,h			%	-			
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m³/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				-			
	Wired remote control				BRC˜H˘˜K			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~25			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD		mm	6.35		6.4	
	Gas	OD		mm	9.50		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	13			

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9 | Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B | Contains fluorinated greenhouse gases

DESCAMPS
PICASS

Multi Split

Simply extend your comfort!

A Daikin multi split system offers you unexpected possibilities in creating a comfortable and cosy home. This is your solution to reduce limitations like environmental impact and financial aspects.

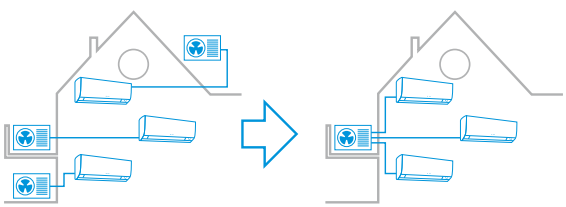
Less mounting space, less visibility, less sound

› **Save space**: Drastically reduce the space required for placing a number of units on your facade
› **Less visibility**: Enjoy your nice ambience. Finding just one hiding place is much easier
› **Less noise**: Only one unit in operation is much quieter than two or more units

Lower power consumption, high efficiency

› **Less power consumption**: Our big compressors can work more efficiently than various smaller ones with the same capacity in sum. Also save a significant proportion of energy thanks to standby mode

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for air-conditioning three rooms

Solution for the same situation with only one multi split outdoor unit

Easier installation, wiring, piping and maintenance

› **Save mounting equipment**: Wherever you want to place an outdoor unit, for every unit you will need a mounting for a secure fixing and problem-free operation
› **Save time**: The physical installation, wiring, drain piping as well as the initial setup of only one system is much easier and faster
› When using only one outdoor unit instead of two or more, the statistical probability of a **possible technical defect is reduced** with every unit that you do not need.

More flexibility: Connect up to 5 indoor units of any style

There are many possibilities in comfort you can profit from a multi split solution:

› **Up to 5 indoor units** connectable to only one outdoor unit
› Every single indoor unit can be **regulated separately**
› Choose from **a greater variety** of connectable indoor unit types out of our split and Sky Air series
› Use low capacity indoor units specially **designed for small rooms** which can only be connected to a multi split system
› Are you planning an **additional indoor unit later on?** Just decide now for an outdoor unit with higher capacity and simply connect it later

BLUEVOLUTION

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 5 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency

2MXM-M(9) 3/4/5MXM-N

CONNECTABLE INDOOR UNITS	Wall mounted																				Concealed ceiling						Floor standing			Round flow			Fully flat				Ceiling suspended			Concealed floor standing			
	CTXA-AW/BS/BT/BB	FTXA-AW/BS/BT/BB						CTXM-N	FTXM-N							FTXJ-M				FTXP-M9				FDXM-F9				FBA-A9			FVXM-F			FCAG-B			FFA-A9				FHA-A9			FNA-A9			
	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	50	20	25	35	25	35	50	60	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60
2MXM40M	●	●	●	●			●	●	●	●					●	●	●		●	●	●	●	●							●	●														
2MXM50M9	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●					●	●	●					●	●								
3MXM40N	●	●	●	●			●	●	●	●					●	●	●					●	●			●			●	●		●			●	●			●			●	●		
3MXM52N	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●		●	●	●		●	●		●	●	●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Outdoor unit					2MXM40M	2MXM50M9	3MXM40N	3MXM52N	3MXM68N	4MXM68N	4MXM80N	5MXM90N
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x958x340					
Weight	Unit			kg	36	41	57		62	63	67	68
Sound power level	Cooling			dBA	60		59		61			64
	Heating			dBA	62		59		61			64
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46/-		48/-		49/-	52/-
	Heating	Nom./High		dBA	-/48	-/50	47/-		48/-		49/-	52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~18							
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.2		2.00/1.4		2.40/1.6	
Piping connections	Liquid	OD		mm	6.4		6.35					
	Gas	OD		mm	9.5							
	Piping length	OU - IU	Max.	m	20		25					
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)					
	Level difference	IU - OU	Max.	m	15.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240		1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	20		25					

Contains fluorinated greenhouse gases | See separate drawing for electrical data | See separate drawing for operation range | For one room

BLUEVOLUTION

Daikin Altherma hybrid heat pump

Hybrid technology combining gas, air to water and air to air heat pump for heating, cooling and hot water

- Daikin Altherma hybrid heat pump combines air-to-water heat pump technology with gas condensing technology
- Heating only wall mounted indoor unit of air-to-water heat pump
- Wall mounted gas module
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections

CHYHBH-AV32 / EHYKOMB-AA2/3

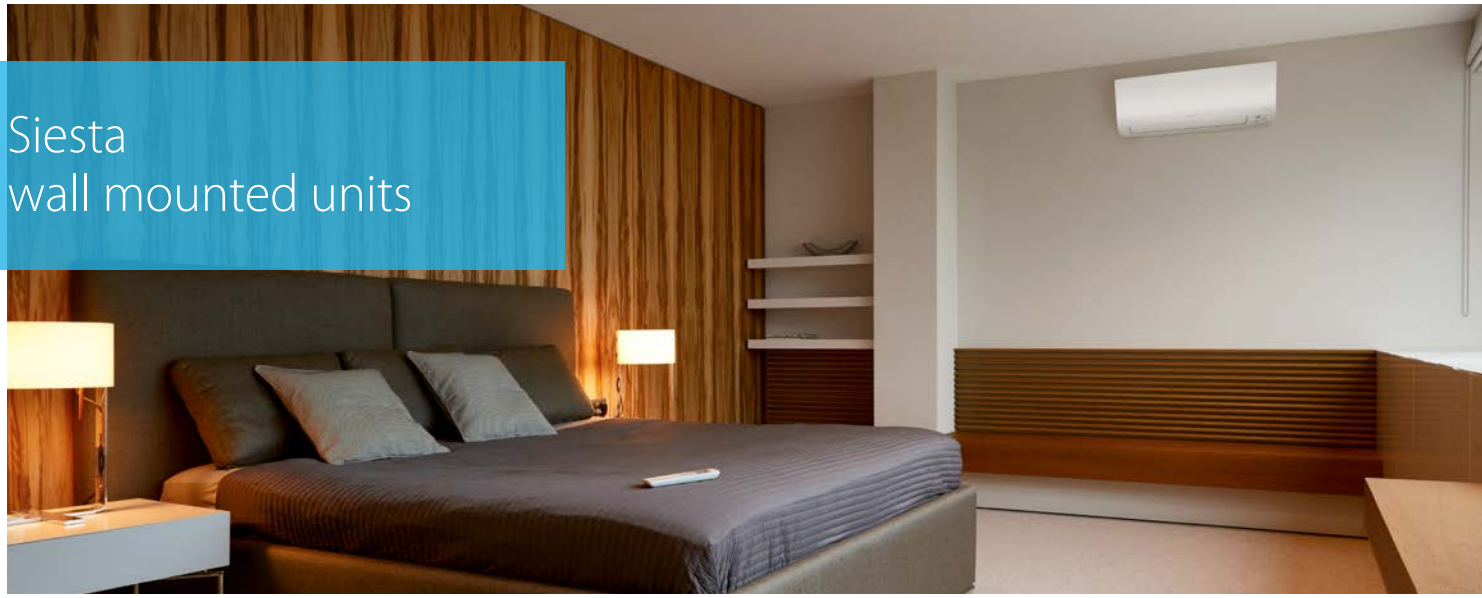
	Wall mounted																			Concealed ceiling							Floor stainding			Round flow cassette			Fully flat cassette				Ceiling suspended			Concealed floor standing				Hybrid heat pump	
	CTXA-AW/ BS/BT/BB	FTXA-AW//BS/BT/BB						FTXJ-MW/S				CTXM-N	FTXM-N							FDXM-F9				FBA-A9			FVXM-F			FCAG-B			FFA-A9				FHA-A9			FNA-A9				CHYHBH-AV32	
Connectable indoor units	15	20	25	35	42	50	20	25	35	50	15	20	25	35	42	50	60	71	25	35	50	60	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08
3MXM52N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		●	●		●	●	●	●	●		●	●	●		●	●		●	●	●		●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Efficiency data					CHYHBH05AV32 /3MXM52N	CHYHBH05AV32 /3MXM68N	CHYHBH05AV32 /4MXM68N	CHYHBH05AV32 /4MXM80N	CHYHBH08AV32 /4MXM80N	CHYHBH05AV32 /5MXM90N	CHYHBH08AV32 /5MXM590N
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					CHYHBH05AV32	CHYHBH08AV32
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30.0	
Operation range	Heating	Ambient	Min.~Max.	°C	-15 ~24	
		Water side	Min.~Max.	°C	25 ~50	

Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2 / 7.6 / 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7 / 8.2 / 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 /80
Domestic hot water	Output	Min/Nom		kW	7.6/32.7
	Water flow	Rate	Nom	l/min	9.0 / 15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h	0.90/3.93
	Consumption (G31)	Min/Max		m^3/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	55
	Standby			W	2



Siesta
wall mounted units

The Siesta range offers a wide variety of wall mounted units with high efficiency values up to A++. They provide excellent levels of comfort, and almost all indoor units are connectable to a multi outdoor unit.

BLUEVOLUTION

Siesta Bluevolution range

R-32

Type	Model	Product name		20	25	35	50	60	71
Siesta Wall mounted	Wall mounted unit Siesta, descreet, modern unit for optimal efficiency and comfort thanks to 2-area motion detection sensor and Flash Streamer	ATXM-N		● (multi only)	A+++	A+++	A++		
	Wall mounted unit Siesta, providing high efficiency and comfort while reducing the environmental impact	ATXP-M		A++	A++	A++			
	Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-A		A++	A++	A++	A++	A++	A
	Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-B		A++	A++	A++	A++	A++	A

BLUEVOLUTION Siesta

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				ATXM + ARXM	ATXM20N	25N + 25N9	35N + 35N9	50N + 50N9
Cooling capacity	Min./Nom./Max.			kW	Only available in multi model application	1.30/2.50/3.20	1.40/3.40/4.00	1.70/5.00/6.00
Heating capacity	Min./Nom./Max.			kW		1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.80/7.70
Power input	Cooling		Nom.	kW		0.57	0.83	1.45
	Heating		Nom.	kW		0.56	0.99	1.53
Space cooling	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.50	3.40	5.00
	SEER					8.55		7.35
	Annual energy consumption			kWh/a		102	139	238
Space heating (Average climate)	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.40	2.50	4.60
	SCOP/A					5.10		4.65
	Annual energy consumption			kWh/a		659	687	1,384
Nominal efficiency	EER					4.39	4.09	3.45
	COP					5.00	4.04	3.79
	Annual energy consumption			kWh		285	416	725
	Energy labeling Directive		Cooling/Heating				A/A	

Indoor unit				ATXM	20N	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm	295x811x272	294x811x272		300x1,040x295
Weight	Unit			kg		10.0		14.5
Air filter	Type					Removable / washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/6.0/11.1	4.4/6.2/8.1/11.1	4.6/6.4/8.3/12.3	8.1/11.6/14.2/16.1
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/10.8	5.3/6.8/8.7/10.8	5.3/7.1/9.0/10.8	10.7/12.2/14.6/17.1
Sound power level	Cooling			dBA		58		
	Heating			dBA		55		58
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/33/41	19/25/41	19/29/45	27/36/44
	Heating	Silent operation/Low/High		dBA	20/26/34/39	20/27/39	20/28/39	31/34/43
Control systems	Infrared remote control					ARC466A33		
	Wired remote control					BRC073A1		
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240		

Outdoor unit				ARXM	ATXM20N	25N9	35N9	50N9
Dimensions	Unit	HeightxWidthxDepth		mm	Only available in multi model application	550x765x285		734x870x373
Weight	Unit			kg		32		50
Sound power level	Cooling			dBA		58	61	62
	Heating			dBA		59	61	62
Sound pressure level	Cooling	Nom.		dBA		46	49	48
	Heating	Nom.		dBA		47	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50		
	Heating	Ambient	Min.~Max.	°CWB		-20~24		
Refrigerant	Type					R-32		
	GWP					675		
	Charge			kg/TCO2Eq		0.76/0.52		1.15/0.78
Piping connections	Liquid	OD		mm		6.35		6.4
	Gas	OD		mm		9.50		12.7
	Piping length	OU - IU	Max.	m		20		30
		System	Chargeless	m		10		-
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m		15		20
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A		13		

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Contains fluorinated greenhouse gases | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

BLUEVOLUTION Siesta

Wall mounted unit

Discreet wall mounted unit providing high efficiency and comfort

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A++ in cooling and heating
- Space saving contemporary wall mounted design

ATXP20-35M

ARXP20-35M

ARC480A11

BRP069B45

(2 ports only)

Efficiency data				ATXP + ARXP	20M + 20M	25M + 25M	35M + 35M
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.50/0.72	0.31/0.66/0.72	0.29/1.01/1.30
	Heating		Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/1.00/1.29
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.00	2.50	3.50
	SEER				6.77	6.85	6.56
	Annual energy consumption			kWh/a	104	128	187
Space heating (Average climate)	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.20	2.40	2.80
	SCOP/A				4.64	4.60	4.62
	Annual energy consumption			kWh/a	663	730	847
Nominal efficiency	EER				3.98	3.79	3.45
	COP				4.77	4.36	4.02
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit				ATXP	20M	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm		286x770x225	
Weight	Unit			kg		8.50	9.00
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5
Sound power level	Cooling			dBA		55	58
	Heating			dBA		55	58
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39	19/26/40	20/27/43
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40
Control systems	Infrared remote control					ARC480A53	
	Wired remote control					BRC944B2 / BRC073A1	

Outdoor unit				ARXP	20M	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm		550x658x275	
Weight	Unit			kg		26	28
Sound power level	Cooling			dBA		60	62
	Heating			dBA		61	62
Sound pressure level	Cooling	High		dBA		46	48
	Heating	High		dBA		47	48
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq		0.55/0.37	0.70/0.48
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.5	
	Piping length	OU - IU	Max.	m		15	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		12	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		16	

See separate drawing for electrical data | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | Contains fluorinated greenhouse gases

BLUEVOLUTION sensira

Wall mounted unit

Siesta wall mounted unit for low energy consumption and pleasant comfort

- Seasonal efficiency values up to A++ in cooling
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet in operation down to 21 dBA
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

ATXF-A

ARXF20-35A

BRC52A

BRP069B45

Efficiency data				ATXF + ARXF	20A + 20A	25A + 25A	35A + 35A	50A + 50A	60A + 60A	71A + 71A
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.30/3.8	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/2.80/4.00	1.30/3.50/4.80	1.7/6.0/7.70	1.7/6.4/8.00	2.3/8.2/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.51/0.72	0.31/0.76/1.05	0.29/1.00/1.30	0.320/1.502/1.826	0.332/1.846/2.980	0.449/2.773/3.274
	Heating		Min./Nom./Max.	kW	0.25/0.60/0.95	0.25/0.70/1.11	0.29/0.94/1.29	0.440/1.617/2.356	0.456/1.628/2.787	0.617/2.603/3.306
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.00	6.00	7.10
	SEER				6.12	6.19	6.18		6.12	5.12
	Annual energy consumption			kWh/a	114	141	197	282	342	483
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.07	4.03				3.81
	Annual energy consumption			kWh/a	751	827	965	1,585	1,653	2,278
Nominal efficiency	EER				3.94	3.30		3.33	3.25	2.56
	COP				4.19	4.01	3.71		3.93	3.15
	Annual energy consumption			kWh	255	380	500	751	923	1,387
	Energy labeling Directive		Cooling/Heating		A/A				-/-	

Indoor unit				ATXF	20A	25A	35A	50A	60A	71A
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	8.5		9.0		13.5	
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/5.9/7.9 /9.8	4.4/6.1/8.1 /10.1	4.5/6.3/8.3 /11.5	10.5/11.9/14.4 /16.8	10.7/12.2/14.8 /17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.4 /10.3	5.3/6.7/8.6 /10.3	5.3/7.0/9.0 /11.5	10.7/12.2/14.8 /17.3	11.3/12.8/15.8 /17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/25/39	20/26/40	20/27/43	31/34/43	33/36/45	34/37/46
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40	30/33/42	32/35/44	33/36/45
Control systems	Infrared remote control				ARC470A1					
	Wired remote control				BRC944B2 / BRC073A1			BRC073A1		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				ARXF	20B	25B	35A	50A	60A	71A
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275			734x870x373		
Weight	Unit			kg	26		28	46.0	50.0	
Sound power level	Cooling			dBA	60		62	61	63	66
	Heating			dBA	61		62	61	63	65
Sound pressure level	Cooling	Nom./High		dBA	-/46		-/48	47/-	49/-	52/-
	Heating	Nom./High		dBA	-/47		-/48	49/-		52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~25					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.65/0.44		0.70/0.48	0.90/0.61	1.15/0.78	
Piping connections	Liquid	OD		mm	6.35			6.4		
	Gas	OD		mm	9.5			12.7		
	Piping length	OU - IU	Max.	m	15			30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					

*Note: blue cells contain preliminary data

BLUEVOLUTION Siesta

Wall mounted unit

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet in operation down to 19 dBA
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

ATXC25-35B

ARXC25-35B

BRC52A

BRP069B45

Efficiency data				**ATXC + ARXC**	**20B + 20B**	**25B + 25B**	**35B + 35B**	**50B + 50B**	**60B + 60B**	**71B + 71B**
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0/3.0	1.3/2.56/3.0	1.3/3.5/4.0	1.4/5.1/6.2	1.8/6.23/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.3/2.5/4.0	1.3/2.84/4.0	1.30/4.0/4.80	1.36/5.62/6.60	1.48/6.40/8.00	2.30/8.00/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.30/0.600/1.15	0.30/0.775/1.15	0.32/1.06/1.74	0.30/1.57/2.11	0.38/1.92/2.05	0.44/2.41/2.54
	Heating		Min./Nom./Max.	kW	0.28/0.670/1.35	0.28/0.755/1.35	0.28/1.08/1.57	0.27/1.52/1.85	0.33/1.73/2.35	0.50/2.49/2.74
Space cooling	Energy efficiency class						A++			A
	Capacity		Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	SEER				6.81	6.74	6.78	6.40	6.38	5.25
	Annual energy consumption			kWh/a	107	133	178	278	341	464
Space heating (Average climate)	Energy efficiency class						A+			A
	Capacity		Pdesign	kW	1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A				4.39	4.41	4.26	4.37	4.19	3.81
	Annual energy consumption			kWh/a	595	707	736	1,250	1,373	2,334
Nominal efficiency	EER				3.33	3.30		3.25		2.95
	COP				3.73	3.76	3.72	3.71		3.21
	Energy labeling Directive		Cooling/Heating				A/A			C/C

Indoor unit				**ATXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	288x785x250				297x1,010x288	
Weight	Unit			kg	9.00		9.50		13.0	
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	5.4/6.5/9/10.8			7.4/8.2/10/12.2	10.2/13.6/16/20.4	
Sound power level	Cooling			dBA	54		55	57	60	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/26/38		21/26/39	29/33/45	30/38/46	
Control systems	Infrared remote control				BRC52B66					
	Wired remote control				-					

Outdoor unit				**ARXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	24.0		26.0	39.0		45.0
Sound power level	Cooling			dBA	58		60	65	66	69
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46			-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.550/0.371		0.750/0.506	1.00/0.675	1.10/0.743	1.15/0.776
Piping connections	Liquid	OD		mm	6.4					
	Gas	OD		mm	9.52			12.7		
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	8					
	Additional refrigerant charge			kg/m	0,017 (for piping length exceeding 7.5m)					
	Level difference	IU - OU	Max.	m	15.0			20.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	16			20		

BLUEVOLUTION

Siesta

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of wall mounted indoor units can be connected
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency

2AMXM40-50M

CONNECTABLE INDOOR UNITS	Wall mounted						
	ATXM-N				ATXP-M		
	20	25	35	50	20	25	35
2AMXM40M	●	●	●		●	●	●
2AMXM50M	●	●	●	●	●	●	●
3AMXM52M	●	●	●	●			

Outdoor unit				2AMXM/2AMXM	2AMXM40M	2AMXM50M	3AMXM52M
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x868x320
Weight	Unit			kg	36	41	57
Sound power level	Cooling			dBA	60		59
	Heating			dBA	62		59
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46/-
	Heating	Nom./High		dBA	-/48	-/50	47/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg/TCO2Eq	0.88/0.59	1.15/0.78	1.80/1.2
Piping connections	Liquid	OD		mm	6.4		6.35
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m	20		25
		System	Chargeless	m	-		30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)
	Level difference	IU - OU	Max.	m	15.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240		1~/50/220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	-		30

Designed for living: solutions for even the coldest regions

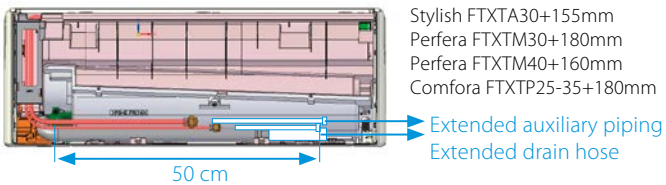
Designed for colder climates, Optimised Heating 4 creates a comfortable interior environment while maintaining excellent energy efficiency ratings.

Reliability

To guarantee the seamless operation of your heating system, even in temperatures as low as -25°C, the Optimised Heating 4 range offers enhanced features.

Easy Installation: long piping

The Daikin Optimised 4 offers a quick and easy installation process, which includes extended piping: This longer piping is specifically adapted to accommodate the thicker walls of Scandinavian buildings, and help contractors cut down on installation time.



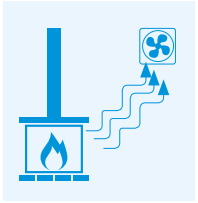
Stylish FTXTA30+155mm
Perfera FTXTM30+180mm
Perfera FTXTM40+160mm
Comfora FTXTP25-35+180mm

Extended auxiliary piping
Extended drain hose

The fireplace scenario

Stylish FTXTA and Perfera FTXTM are flexible and easy to adapt for any room, including spaces that contain additional heat sources, such as a fireplace.

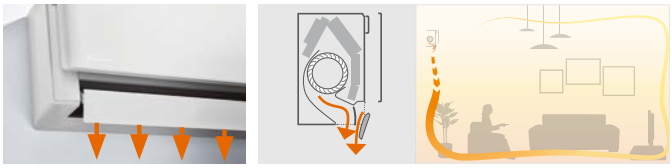
› If the temperature in the room reaches the desired point set by user, the operation FIREPLACE LOGIC (if activated) will start automatically.
› The unit will distribute hot air from the external source across the room using the unit's fan.
› The fan speed and the intensity of distribution depends on difference between temperature set by user and actual temperature in the room (in case of big difference between these temperatures the air distribution will be more intensive)



Measured temperature in the room ≥ set temperature = Thermo off Fan auto adjust according to ΔT

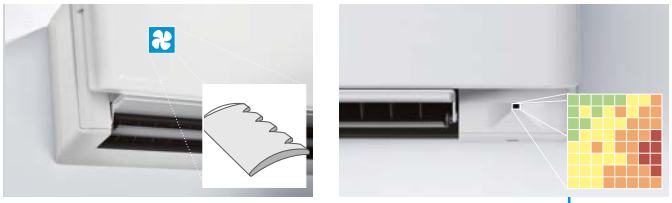
The Coanda effect

The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room. (available in heating and cooling for Stylish FTXTA-AW)



Quiet operation

Stylish uses a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels. Sound dispersion and noise reduction are the results of a special fan design.

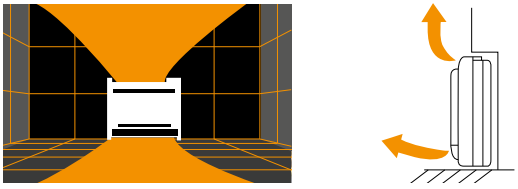


Intelligent thermal sensor

Stylish uses an Intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate. After determining the current room temperature, the grid eye sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

Dual Airflow

Our floor standing FVXM is ideal for heating comfort thanks to its dual airflow. Wide air flow coverage in both upward and downward directions allowing even air distribution.



During heating operating, your feet stay warm and the temperature through the room is evenly distributed. Maximum comfort will be ensured.

Bluevolution Range

BLUEVOLUTION

Type	Model	Product Name	25	30	35	40
Wall mounted	Stylish: Where innovation meets creativity, even at ambient temperatures down to -25°C	FTXTA-AW		A+++* (pair only)		
Wall mounted	Perfera: Discreet, modern design for optimal efficiency and comfort thanks to 2- area motion detector sensor	FTXTM-M		A+++* (pair only)		A+++* (pair only)
Wall mounted	Comfora: Wall mounted unit, providing high efficiency and comfort while reducing the environmental impact	FTXTP-K3	A+++* (pair only)		A+++* (pair only)	
Floor Standing Unit	Floor standing unit for optimal heating comfortthanks to dual airflow	FVXM-F	A+++* (pair only)		A+++* (pair only)	
Wall mounted	Wall mounted unit Siesta: providing high efficiency and comfort while reducing the environmental impact	ATXTP-K3	A+++* (pair only)		A+++* (pair only)	

* Space heating - average climate

Wall mounted unit

Most compact design wall mounted unit

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- A compact and functional design suitable for all interiors in a matt crystal white finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating

Efficiency data				FTXTA + RXTA
Cooling capacity	Min./Nom./Max.		kW	0.70/3.00/4.50
Heating capacity	Min./Nom./Max.		kW	0.80/3.20/6.90
Power input	Cooling	Nom.	kW	0.71
	Heating	Nom.	kW	0.66
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.00
	SEER			7.63
	Annual energy consumption		kWh/a	138
Space heating (Average climate)	Energy efficiency class			A+++
	Capacity	Pdesign	kW	2.60
	SCOP/A			5.10
	Annual energy consumption		kWh/a	714
Space heating (Cold climate)	Energy efficiency class			A+
	Capacity	Pdesignh	kW	3.80
	Annual energy consumption		kWh/a	1,946
	SCOP/C			4.10
Nominal efficiency	EER			4.20
	COP			4.87
	Annual energy consumption		kWh	357
	Energy labeling Directive	Cooling/Heating		A/A

Indoor unit				FTXTA
Dimensions	Unit	HeightxWidthxDepth	mm	295x798x189
Weight	Unit		kg	11.5
Air filter	Type			Removable / washable
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min 4.6/5.7/8.3/11.9
		Heating	Silent operation/ Low/Medium/High	m^3/min 5.1/6.0/8.0/11.5
Sound power level	Cooling			dBA 60
	Heating			dBA 60
Sound pressure level	Cooling	Silent operation/Low/High		dBA 20/25/43
	Heating	Silent operation/Low/High		dBA 19/24/41
Control systems	Infrared remote control			ARC466A59
	Wired remote control			BRC073A4

Outdoor unit				RXTA
Dimensions	Unit	HeightxWidthxDepth	mm	551x763x312
Weight	Unit		kg	38
Sound power level	Cooling		dBA	61
	Heating		dBA	61
Sound pressure level	Cooling	Nom.	dBA	48
	Heating	Nom.	dBA	49
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46
	Heating	Ambient	Min.~Max. °CWB	-25~18
Refrigerant	Type			R-32
	GWP			675
	Charge		kg/TCO2Eq	1.1/0.75
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.50
	Piping length	OU - IU	Max. m	20
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max. m	15
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240
Current - 50Hz	Maximum fuse amps (MFA)		A	16

See separate drawing for electrical data | See separate drawing for operation range | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Contains fluorinated greenhouse gases

BLUEVOLUTION perfera

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- Seasonal efficiency values up to A+++ in cooling and heating
- When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

Efficiency data				FTXTM-M + RXTM-N	30M + 30N	40M + 40N
Cooling capacity	Min./Nom./Max.			kW	0.70/3.00/4.50	0.70/4.00/5.10
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.70	0.80/4.00/7.20
Power input	Cooling		Nom.	kW	0.74	1.09
	Heating		Nom.	kW	0.61	0.78
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	3.00	4.00
	SEER				7.60	7.70
	Annual energy consumption			kWh/a	138	182
Space heating (Average climate)	Energy efficiency class				A+++	
	Capacity		Pdesign	kW	3.00	3.80
	SCOP/A				5.12	5.30
	Annual energy consumption			kWh/a	821	1,004
Space heating (Cold climate)	Energy efficiency class				A+	
	Capacity		Pdesignh	kW	4.40	5.60
	Annual energy consumption			kWh/a	2,296	2,779
	SCOP/C				4.02	4.19
Nominal efficiency	EER				4.10	3.71
	COP				5.34	5.37
	Annual energy consumption			kWh	366	542
	Energy labeling Directive			Cooling/Heating	A/A	

Indoor unit				FTXTM-M	30M	40M
Dimensions	Unit	HeightxWidthxDepth		mm	294x811x272	300x1,040x295
Weight	Unit			kg	10.0	14.5
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/Low/Medium/High	m^3/min	5.2/6.3/8.0 /11.7	4.6/5.7/9.2 /15.5
		Heating	Silent operation/Low/Medium/High	m^3/min	4.1/5.1/7.5 /12.2	6.3/7.5/11.0 /17.7
Sound power level	Cooling			dBA	60	
	Heating			dBA	61	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/25/45	20/24/46
	Heating	Silent operation/Low/High		dBA	19/22/45	19/22/46
Control systems	Infrared remote control				ARC466A55	
	Wired remote control				BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	

Outdoor unit				RXTM-N	30N	40N
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.74	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

BLUEVOLUTION comfora

Wall mounted unit

Wall mounted unit providing high efficiency and comfort

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

FTXTP-K

RXTP-N9

ARC480A11

BRP069B45

Efficiency data				FTXTP + RXTP	25K + 25N9	35K + 35N9
Cooling capacity	Min./Nom./Max.			kW	0.70/2.50/4.00	0.70/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.20	0.80/4.00/6.70
Power input	Cooling		Nom.	kW	0.57	0.92
	Heating		Nom.	kW	0.65	0.90
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				7.10	7.20
	Annual energy consumption			kWh/a	123	170
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.98	4.81
	Annual energy consumption			kWh/a	703	873
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.70	4.40
	Annual energy consumption			kWh/a	1,939	2,429
	SCOP/C				3.95	3.80
Nominal efficiency	EER				4.40	3.80
	COP				4.95	4.44
	Annual energy consumption			kWh	284	461
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				FTXTP	25K	35K
Dimensions	Unit	HeightxWidthxDepth		mm	285x770x225	
Weight	Unit			kg	9.0	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.3/7.7/10.6	4.3/5.4/8.2/11.4
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/5.8/8.0/11.2	4.9/5.8/7.8/10.8
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A11	
	Wired remote control				BRC944B2 / BRC073A1	

Outdoor unit				RXTP	25N9	35N9
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/-	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

See separate drawing for electrical data | See separate drawing for operation range | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Contains fluorinated greenhouse gases

BLUEVOLUTION

Floor standing unit

Floor standing unit for optimal heating comfort thanks to dual airflow

- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet operation: down to 23dBA sound pressure level
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Developed for regions with severe winter conditions

FVXM25-35-50F

RXTP-N9

ARC452A1

BRP069B42

Efficiency data				FVXM + RXTP	25F + 25N9	35F + 35N9
Cooling capacity	Min./Nom./Max.			kW	1.00/2.50/4.20	1.10/3.50/4.30
Heating capacity	Min./Nom./Max.			kW	1.00/3.20/5.60	1.10/4.00/6.00
Power input	Cooling		Nom.	kW	0.69	1.06
	Heating		Nom.	kW	0.83	1.13
Space cooling	Energy efficiency class				A+	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				5.61	5.66
	Annual energy consumption			kWh/a	156	216
Space heating (Average climate)	Energy efficiency class				A+	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.05	4.01
	Annual energy consumption			kWh/a	865	1,046
Space heating (Cold climate)	Energy efficiency class				B	
	Capacity		Pdesignh	kW	3.65	4.38
	Annual energy consumption			kWh/a	2,315	2,877
	SCOP/C				3.31	3.20
Nominal efficiency	EER				3.61	3.31
	COP				3.86	3.54
	Annual energy consumption			kWh	346	529
	Energy labeling Directive		Cooling/Heating		A/A	A/B

Indoor unit				FVXM	25F	35F
Dimensions	Unit	HeightxWidthxDepth		mm	600x700x210	
Weight	Unit			kg	14	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.8/6.5/8.2	4.5/4.9/6.7/8.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.4/5.0/6.9/8.8	4.7/5.2/7.3/9.4
Sound power level	Cooling			dBA	52	
	Heating			dBA	52	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	23/26/38	24/27/39
	Heating	Silent operation/Low/High		dBA	23/26/38	24/27/39
Control systems	Infrared remote control				ARC452A1	
	Wired remote control				-	

Outdoor unit				RXTP	25N9	35N9
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.75	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

See separate drawing for electrical data | See separate drawing for operation range | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | 240V | 230V | 220V | 50Hz, 220-230-240V | Contains fluorinated greenhouse gases

BLUEVOLUTION Siesta

Wall mounted unit

Wall mounted unit providing high efficiency and comfort

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

ATXTP-K

ARXTP-N

ARC466A55

BRP069B45

Efficiency data				ATXTP + ARXTP	25K + 25N	35K + 35N
Cooling capacity	Min./Nom./Max.			kW	0.70/2.50/4.00	0.70/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.00	0.80/4.00/6.50
Power input	Cooling		Nom.	kW	0.57	0.91
	Heating		Nom.	kW	0.68	0.87
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				6.98	7.05
	Annual energy consumption			kWh/a	125	174
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.93	4.76
	Annual energy consumption			kWh/a	710	883
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.70	4.40
	Annual energy consumption			kWh/a	1,955	2,455
	SCOP/C				3.92	3.76
Nominal efficiency	EER				4.38	3.75
	COP				4.90	4.39
	Annual energy consumption			kWh	286	467
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				ATXTP	25K	35K
Dimensions	Unit	HeightxWidthxDepth		mm	285x770x225	
Weight	Unit			kg	9.0	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.3/7.7 /10.6	4.3/5.4/8.2 /11.4
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/5.8/8.0 /11.2	4.9/5.8/7.8 /10.8
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A11	
	Wired remote control				BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	

Outdoor unit				ARXTP	25N	35N
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.74	
Piping connections	Liquid	OD		mm	6.35	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	

Options - Split
BLUEVOLUTION

R-32

	INDOOR UNITS	FTXZ-N	C/FTXA-AW/BS/BT/BB	FTXJ-MW/S	C/FTXM-N	FTXP-M(9)	FTXC-B	FTXF-B/A
Online control system	BRP069B* Daikin online controller WIFI adapter for smart phone	BRP069B42	Standardly included	Standardly included	Standardly included	BRP069B45	BRP069B45	BRP069B45
Individual control systems	BRC1E53A/B/C (3)(4)(5) / BRC1H51(9)W/S/K / BRC1H81W/S Premium wired remote control with full-text interface and back-light							
	BRC073A1 (9) Wired remote control (cord for wired remote control required)		●	●	●	●		●
	BRC2E52C Simplified remote control (with operation mode selector button)							
	BRC3E52C Remote control for hotel use							
	BRC4C65 Infrared remote control							
	BRCW901A03 Extension cord for wired remote control (3m)		●	●	●	●		
	BRCW901A08 Extension cord for wired remote control (8m)		●	●	●	●		
Centralised control systems	KRC72A Centralised control board (up to 5 rooms)	●		●	●			
	DCC601A51 Centralised controller with cloud connection by using the adapter KRP928*	●	●	●	●	●		
	DCS302CA51 Central remote control	●	●	●	●	●		
	DCS301BA51 Unified ON/OFF control	●	●	●	●	●		
	DCS303A51 Residential central remote control							
	DST301BA51 Schedule timer	●	●	●	●	●		
	DCM601A5A Intelligent Touch Manager	●	●	●	●	●		●
Building Management System & Standard protocol interface	EKMBDXA Modbus interface	●	●	●	●	●		●
	RTD-RA (9) Modbus gateway	●	●	●	●	●		●
	KLIC-DD (9) KNX Interface	●	●	●	●	●		●
Adapters	BRP7A54 (7)(8) Adapter PCB for interlock (key card, …)							
	KRP1B56 Adapter for wiring							
	KRP413AB1S Adapter for wiring normal open contact/normal open pulse contact (time clock and other devices to be purchased locally)	●	●	●	●			●
	KRP4A54 Adapter for external ON/OFF and monitoring for electrical appendices							
	KRP2A53 Wiring adapter for electrical appendices							
	Installation box for adapter PCBs (when there is no space in the switchbox)							
	KRP980A1 Interface adapter for wired remote control							
	KRP928BB2S Interface adapter for DIII-net	●	●	●	●	●		●
	DTA114A61 Multi tenant							
	KRCS01-4 External wired temperature sensor		●					
	KJB212AA/KJB311A Electrical box with earth terminal (2 blocks / 3 blocks)							
Filters	KAF970A46 Titanium apatite deodorising filter without frame		●	●		●	●	
	KAF057A41 Silver particle filter (Ag-ion filter) with frame		●					
	KAF046A41 Honeycomb deodorising and air purifying filter with frame	●						
	KAF968A42 Honeycomb deodorising and air purifying filter with frame	●						
	KEK26-1A Noise filter (for electromagnetic use only)							
	BAE20A62/102 Auto-cleaning filter (small/large)							
Others	Anti-theft protection for remote control	KKF936A4	KKF910AA4	KKF910AA4				KKF936A4
	Wire harness to connect to S21 connector		EKRS21					
	KDT25N32/50/63 Insulation kit for high humidity							

(1) Can be used only in combination with KRP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRC1E53A: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRC1E53B: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRC1E53C: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.
(7) Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximmaly 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRC2E52C or BRC3E52C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.

R-32 and R-410A	R-32	Siesta R-32				Optimised heating R-32				
FDXM-F9	FVXM-F	ATXM-N	ATXP-M	ATXF-A	ATXC-B	FTXTA-AW	FTXTM-M	FTXTP-K	ATXTP-K	FVXM-F
BRP069A81	BRP069B42	Standardly included	BRP069B45	BRP069B45	BRP069B45	Standardly included	BRP069B41	BRP069B45	BRP069B45	BRP069B42
●										
	●	●	●	●		●	●	●	●	●
●										
●										
●(10)										
	●	●	●			●	●	●	●	●
	●	●	●			●	●	●	●	●
	●						●			●
●	●	●	●			●	●	●	●	●
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●										
●	●	●	●			●	●	●	●	●
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	●	●	●	●		●	●	●	●	●
	●	●	●	●		●	●	●	●	●
●	●	●	●	●		●	●	●	●	●
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	●	●		●		●	●			●
●										
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KRP1BA101										
	●	●	●	●		●	●	●	●	●
●										
●						●				
●										
			●		●	●		●	●	
						●				
●										
●										
	KKF910AA4			KKF936A4		KKF910AA4		KKF936A4	KKF936A4	KKF910AA4
						EKRS21				
●										

(1) Can be used only in combination with KRP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRC1E53A: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRC1E53B: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRC1E53C: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.
(7) Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximmaly 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRC2E52C or BRC3E52C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2MXM40M3V1B	1.5	1.50	---	1.30	1.50	2.00	0.33	0.31	0.40	1.78	1.70	2.17	79	---	---	---	---	---	---	---
	2.0	2.00	---	1.30	2.00	2.40	0.33	0.44	0.57	1.78	2.38	3.09	79	---	---	---	---	---	---	---
	2.5	2.50	---	1.30	2.50	3.00	0.33	0.61	0.80	1.78	3.33	4.40	79	---	---	---	---	---	---	---
	3.5	3.50	---	1.30	3.50	4.00	0.33	1.04	1.35	1.78	5.71	7.38	79	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	1.50	3.00	3.60	0.31	0.60	0.73	1.67	3.33	4.00	79	4.97	A	302	A+++	8.66	3.00	122
	1.5+2.0	1.50	2.00	1.50	3.50	4.00	0.31	0.79	0.91	1.67	4.35	4.98	79	4.43	A	396	A+++	8.60	3.50	143
	1.5+2.5	1.50	2.50	1.50	4.00	4.20	0.31	0.98	1.03	1.67	5.37	5.64	79	4.10	A	488	A+++	8.55	4.00	164
	1.5+3.5	1.20	2.80	1.50	4.00	4.40	0.31	0.96	1.06	1.67	5.30	5.83	79	4.16	A	481	A++	8.26	4.00	170
	2.0+2.0	2.00	2.00	1.50	4.00	4.20	0.31	0.97	1.02	1.67	5.34	5.61	79	4.13	A	486	A+++	8.53	4.00	165
	2.0+2.5	1.78	2.22	1.50	4.00	4.30	0.31	0.96	1.04	1.67	5.30	5.70	79	4.16	A	481	A+++	8.50	4.00	165
	2.0+3.5	1.45	2.55	1.50	4.00	4.50	0.31	0.95	1.08	1.67	5.25	5.91	79	4.20	A	477	A++	8.19	4.00	171
	2.5+2.5	2.00	2.00	1.50	4.00	4.40	0.31	0.96	1.06	1.67	5.27	5.80	79	4.18	A	479	A++	8.36	4.00	168
	2.5+3.5	1.67	2.33	1.50	4.00	4.60	0.31	0.94	1.09	1.67	5.20	5.98	79	4.24	A	472	A++	8.11	4.00	173

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXM40M3V1B	1.5	2.00	---	1.00	2.00	3.30	0.26	0.68	1.04	1.43	3.66	5.69	79	---	---	---	---	---	---	---
	2.0	3.00	---	1.00	3.00	3.70	0.26	0.83	1.24	1.43	4.52	6.78	79	---	---	---	---	---	---	---
	2.5	3.40	---	1.00	3.40	4.10	0.26	1.02	1.48	1.43	5.59	8.09	79	---	---	---	---	---	---	---
	3.5	3.80	---	1.00	3.80	4.40	0.26	1.28	1.71	1.43	7.02	9.40	79	---	---	---	---	---	---	---
	1.5+1.5	1.75	1.75	1.20	3.50	4.30	0.24	0.80	0.99	1.31	4.43	5.45	79	4.35	A	A++	4.62	3.00	908	0.50
	1.5+2.0	1.63	2.17	1.20	3.80	4.50	0.24	0.88	1.04	1.31	4.85	5.75	79	4.32	A	A++	4.61	3.20	972	0.70
	1.5+2.5	1.58	2.63	1.20	4.20	4.60	0.24	1.00	1.10	1.31	5.53	6.06	79	4.18	A	A++	4.60	3.20	972	0.60
	1.5+3.5	1.26	2.94	1.20	4.20	4.70	0.24	0.96	1.12	1.31	5.29	5.92	79	4.37	A	A++	4.63	3.20	968	0.50
	2.0+2.0	2.10	2.10	1.30	4.20	4.60	0.24	0.98	1.08	1.31	5.41	5.93	79	4.28	A	A++	4.64	3.20	966	0.60
	2.0+2.5	1.87	2.33	1.30	4.20	4.70	0.24	0.97	1.09	1.31	5.36	6.00	79	4.32	A	A++	4.60	3.20	973	0.50
	2.0+3.5	1.53	2.67	1.30	4.20	4.80	0.24	0.95	1.09	1.31	5.25	6.00	79	4.41	A	A++	4.60	3.20	974	0.40
	2.5+2.5	2.10	2.10	1.30	4.20	4.70	0.24	0.96	1.08	1.31	5.29	5.92	79	4.37	A	A++	4.60	3.20	974	0.50
	2.5+3.5	1.75	2.45	1.30	4.20	4.80	0.24	0.94	1.08	1.31	5.19	5.94	79	4.46	A	A++	4.61	3.20	971	0.40

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2MXM50M2V1B9	1.5	1.50	---	1.40	1.50	2.20	0.31	0.32	0.52	1.53	1.55	2.53	89	---	---	---	---	---	---	---
	2.0	2.00	---	1.40	2.00	2.60	0.31	0.47	0.69	1.53	2.25	3.37	89	---	---	---	---	---	---	---
	2.5	2.50	---	1.40	2.50	3.10	0.31	0.67	0.92	1.53	3.27	4.50	89	---	---	---	---	---	---	---
	3.5	3.50	---	1.40	3.50	4.00	0.31	1.09	1.42	1.53	5.32	6.95	89	---	---	---	---	---	---	---
	4.2	4.20	---	1.40	4.20	4.70	0.31	1.59	1.75	1.53	7.73	8.57	89	---	---	---	---	---	---	---
	5.0	5.00	---	1.60	5.00	5.30	0.33	1.30	1.44	1.64	6.33	7.01	89	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	1.60	3.00	3.20	0.33	0.62	0.66	1.64	3.03	3.24	89	4.84	A	310	A+++	8.80	3.00	120
	1.5+2.0	1.50	2.00	1.60	3.50	3.70	0.33	0.76	0.80	1.64	3.71	3.93	89	4.61	A	380	A+++	8.74	3.50	141
	1.5+2.5	1.50	2.50	1.60	4.00	4.20	0.33	0.94	0.99	1.64	4.60	4.83	89	4.25	A	471	A+++	8.64	4.00	162
	1.5+3.5	1.50	3.50	1.60	5.00	5.00	0.33	1.25	1.25	1.64	6.10	6.10	89	4.01	A	624	A+++	8.52	5.00	206
	1.5+4.2	1.32	3.68	1.60	5.00	5.40	0.33	1.23	1.54	1.64	6.04	6.53	89	4.05	A	618	A+++	8.55	5.00	205
	1.5+5.0	1.15	3.85	1.80	5.00	5.50	0.33	1.23	1.68	1.64	5.99	6.59	89	4.08	A	613	A+++	8.50	5.00	206
	2.0+2.0	2.00	2.00	1.80	4.00	5.00	0.33	0.94	1.28	1.64	4.60	5.75	89	4.25	A	471	A+++	8.71	4.00	161
	2.0+2.5	2.00	2.50	1.80	4.50	5.10	0.33	1.07	1.31	1.64	5.23	5.93	89	4.21	A	535	A+++	8.67	4.50	182
	2.0+3.5	1.82	3.18	1.80	5.00	5.40	0.33	1.24	1.49	1.64	6.05	6.54	89	4.04	A	619	A+++	8.54	5.00	205
	2.0+4.2	1.61	3.39	1.80	5.00	5.50	0.33	1.23	1.51	1.64	6.01	6.62	89	4.07	A	615	A+++	8.54	5.00	205
	2.0+5.0	1.43	3.57	1.80	5.00	5.50	0.33	1.22	1.44	1.64	5.95	6.55	89	4.11	A	609	A+++	8.51	5.00	208
	2.5+2.5	2.50	2.50	1.80	5.00	5.30	0.33	1.25	1.42	1.64	6.10	6.47	89	4.01	A	624	A+++	8.53	5.00	205
	2.5+3.5	2.08	2.92	1.80	5.00	5.40	0.33	1.23	1.43	1.64	6.02	6.51	89	4.06	A	616	A+++	8.56	5.00	205
	2.5+4.2	1.87	3.13	1.80	5.00	5.50	0.33	1.22	1.45	1.64	5.98	6.58	89	4.09	A	612	A+++	8.57	5.00	204
	2.5+5.0	1.67	3.33	1.80	5.00	5.50	0.33	1.21	1.38	1.64	5.92	6.52	89	4.13	A	606	A+++	8.52	5.00	206
	3.5+3.5	2.50	2.50	1.80	5.00	5.40	0.33	1.22	1.42	1.64	5.95	6.43	89	4.11	A	609	A+++	8.57	5.00	205
	3.5+4.2	2.27	2.73	1.80	5.00	5.50	0.33	1.21	1.40	1.64	5.90	6.49	89	4.14	A	604	A+++	8.60	5.00	204
	3.5+5.0	2.06	2.94	1.80	5.00	5.50	0.33	1.20	1.34	1.64	5.85	6.44	89	4.18	A	599	A+++	8.52	5.00	206
	4.2+4.2	2.50	2.50	1.80	5.00	5.50	0.33	1.20	1.38	1.64	5.88	6.47	89	4.16	A	601	A+++	8.56	5.00	205

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXM50N2V1B	1.5	2.00	---	1.10	2.00	3.30	0.29	0.68	0.95	1.44	3.31	4.66	89	---	---	---	---	---	---	---
	2.0	3.00	---	1.10	3.00	3.70	0.27	0.82	1.13	1.33	3.99	5.52	89	---	---	---	---	---	---	---
	2.5	3.40	---	1.10	3.40	4.10	0.25	0.99	1.34	1.23	4.81	6.54	89	---	---	---	---	---	---	---
	3.5	4.00	---	1.10	4.00	4.60	0.25	1.24	1.53	1.23	6.03	7.46	89	---	---	---	---	---	---	---
	4.2	4.60	---	1.10	4.60	5.00	0.23	1.49	1.81	1.12	7.27	8.85	89	---	---	---	---	---	---	---
	5.0	5.50	---	1.20	5.50	5.60	0.23	1.35	1.51	1.12	6.56	9.01	89	---	---	---	---	---	---	---
	1.5+1.5	2.00	2.00	1.20	4.00	4.54	0.23	0.87	0.99	1.12	4.27	4.85	89	4.58	A	A++	4.79	3.30	965	0.50
	1.5+2.0	1.89	2.51	1.20	4.40	4.89	0.23	1.02	1.13	1.12	4.97	5.53	89	4.33	A	A++	4.66	3.80	1140	0.80
	1.5+2.5	1.80	3.00	1.20	4.80	5.19	0.23	1.18	1.27	1.12	5.75	6.22	89	4.08	A	A++	4.64	3.80	1146	0.60
	1.5+3.5	1.56	3.64	1.20	5.20	5.70	0.25	1.28	1.40	1.23	6.25	6.86	89	4.07	A	A++	4.61	4.00	1214	0.60
	1.5+4.2	1.47	4.13	1.20	5.60	5.96	0.25	1.37	1.46	1.23	6.71	7.15	89	4.08	A	A++	4.62	4.10	1241	0.70
	1.5+5.0	1.29	4.31	1.20	5.60	6.16	0.25	1.37	1.50	1.23	6.68	7.35	89	4.10	A	A++	4.63	4.20	1269	0.80
	2.0+2.0	2.60	2.60	1.20	5.20	5.70	0.23	1.27	1.40	1.12	6.22	6.82	89	4.09	A	A++	4.61	4.00	1214	0.60
	2.0+2.5	2.49	3.11	1.20	5.60	5.80	0.23	1.37	1.42	1.12	6.68	6.92	89	4.10	A	A++	4.61	4.10	1244	0.70
	2.0+3.5	2.04	3.56	1.20	5.60	5.90	0.25	1.36	1.43	1.23	6.65	7.01	89	4.12	A	A++	4.61	4.20	1275	0.80
	2.0+4.2	1.81	3.79	1.20	5.60	6.00	0.25	1.36	1.46	1.23	6.63	7.11	89	4.13	A	A++	4.63	4.20	1268	0.80
	2.0+5.0	1.60	4.00	1.20	5.60	6.20	0.25	1.35	1.50	1.23	6.60	7.31	89	4.15	A	A++	4.68	4.20	1255	0.80
	2.5+2.5	2.80	2.80	1.20	5.60	5.80	0.23	1.37	1.42	1.12	6.71	6.95	89	4.08	A	A++	4.61	4.20	1275	0.80
	2.5+3.5	2.33	3.27	1.20	5.60	6.00	0.25	1.38	1.48	1.23	6.76	7.25	89	4.05	A	A++	4.62	4.20	1272	0.80
	2.5+4.2	2.09	3.51	1.20	5.60	6.10	0.25	1.39	1.51	1.23	6.79	7.40	89	4.03	A	A++	4.65	4.20	1265	0.80
	2.5+5.0	1.87	3.73	1.30	5.60	6.30	0.25	1.41	1.58	1.23	6.88	7.74	89	3.98	A	A++	4.71	4.20	1249	0.80
	3.5+3.5	2.80	2.80	1.30	5.60	6.10	0.25	1.40	1.52	1.23	6.83	7.44	89	4.01	A	A++	4.66	4.20	1262	0.80
	3.5+4.2	2.55	3.05	1.30	5.60	6.20	0.25	1.40	1.55	1.23	6.84	7.58	89	4.00	A	A++	4.67	4.20	1258	0.80
	3.5+5.0	2.31	3.29	1.30	5.60	6.40	0.25	1.42	1.63	1.23	6.95	7.95	89	3.94	A	A++	4.75	4.20	1238	0.80
	4.2+4.2	2.80	2.80	1.30	5.60	6.30	0.25	1.41	1.58	1.23	6.88	7.74	89	3.98	A	A++	4.70	4.20	1251	0.80

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3MXM40N2V1B	1.50	1.50	---	---	1.40	1.50	2.20	0.32	0.35	0.46	1.52	1.63	2.2	91	---	---	---	---	---	---	---
	2.00	2.00	---	---	1.40	2.00	2.90	0.32	0.48	0.71	1.52	2.28	3.4	91	---	---	---	---	---	---	---
	2.50	2.50	---	---	1.40	2.50	3.10	0.32	0.64	0.82	1.52	3.05	3.9	91	---	---	---	---	---	---	---
	3.50	3.50	---	---	1.40	3.50	4.10	0.32	0.98	1.19	1.52	4.68	5.7	91	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.60	3.00	4.20	0.34	0.59	1.14	1.63	2.82	5.44	91	5.12	A	293	A+++	8.64	3.00	122
	1.5+2.0	1.50	2.00	---	1.60	3.50	4.20	0.34	0.71	1.12	1.63	3.40	5.33	91	4.96	A	353	A+++	8.59	3.50	143
	1.5+2.5	1.50	2.50	---	1.60	4.00	4.20	0.34	0.86	1.10	1.63	4.11	5.33	91	4.68	A	427	A+++	8.51	4.00	164
	1.5+3.5	1.20	2.80	---	1.60	4.00	4.20	0.34	0.85	1.08	1.63	4.07	5.33	91	4.72	A	424	A+++	8.50	4.00	165
	2.0+2.0	2.00	2.00	---	1.60	4.00	4.50	0.34	0.84	1.09	1.63	4.02	5.22	91	4.76	A	420	A+++	8.52	4.00	165
	2.0+2.5	1.78	2.22	---	1.60	4.00	4.50	0.34	0.83	1.07	1.63	3.97	5.22	91	4.82	A	415	A+++	8.52	4.00	165
	2.0+3.5	1.45	2.55	---	1.60	4.00	4.50	0.34	0.83	1.03	1.63	3.97	5.22	91	4.86	A	412	A+++	8.50	4.00	165
	2.5+2.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.83	1.05	1.63	3.97	5.22	91	4.84	A	413	A+++	8.51	4.00	165
	2.5+3.5	1.67	2.33	---	1.60	4.00	4.50	0.34	0.82	1.01	1.63	3.92	5.22	91	4.88	A	410	A+++	8.50	4.00	165
	3.5+3.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.82	0.99	1.63	3.92	5.11	91	4.92	A	407	A+++	8.50	4.00	165
	1.5+1.5+1.5	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.78	0.98	1.74	3.73	4.68	91	5.18	A	386	A+++	8.55	4.00	164
	1.5+1.5+2.0	1.20	1.20	1.60	1.70	4.00	4.60	0.36	0.77	0.96	1.74	3.68	4.68	91	5.20	A	385	A+++	8.55	4.00	164
	1.5+1.5+2.5	1.09	1.09	1.82	1.70	4.00	4.60	0.36	0.77	0.94	1.74	3.68	4.68	91	5.22	A	383	A+++	8.54	4.00	164
	1.5+1.5+3.5	0.92	0.92	2.15	1.70	4.00	4.60	0.36	0.76	0.90	1.74	3.64	4.68	91	5.26	A	380	A+++	8.53	4.00	165
	1.5+2.0+2.0	1.09	1.45	1.45	1.70	4.00	4.60	0.36	0.77	0.92	1.74	3.68	4.68	91	5.25	A	381	A+++	8.53	4.00	164
	1.5+2.0+2.5	1.00	1.33	1.67	1.70	4.00	4.60	0.36	0.76	0.91	1.74	3.64	4.68	91	5.29	A	378	A+++	8.54	4.00	164
	1.5+2.0+3.5	0.86	1.14	2.00	1.70	4.00	4.60	0.36	0.76	0.89	1.74	3.64	4.68	91	5.31	A	377	A+++	8.53	4.00	165
	1.5+2.5+2.5	0.92	1.54	1.54	1.70	4.00	4.60	0.36	0.76	0.87	1.74	3.64	4.68	91	5.27	A	380	A+++	8.53	4.00	165
	2.0+2.0+2.0	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.76	0.85	1.74	3.64	4.68	91	5.30	A	3.77	A+++	8.52	4.00	214
	2.0+2.0+2.5	1.23	1.23	1.54	1.70	4.00	4.60	0.36	0.76	0.83	1.74	3.64	4.68	91	5.32	A	376	A+++	8.51	4.00	165
	2.0+2.5+2.5	1.14	1.43	1.43	1.70	4.00	4.60	0.36	0.75	0.81	1.74	3.59	4.68	91	5.35	A	374	A+++	8.50	4.00	165

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM40N2V1B	1.50	2.30	---	---	1.10	2.30	3.30	0.30	0.60	0.82	1.38	2.77	3.83	93	---	---	---	---	---	---	---
	2.00	2.70	---	---	1.10	2.70	3.70	0.30	0.76	1.23	1.38	3.51	5.75	93	---	---	---	---	---	---	---
	2.50	3.40	---	---	1.10	3.40	4.10	0.30	1.01	1.28	1.38	4.68	5.96	93	---	---	---	---	---	---	---
	3.50	4.20	---	---	1.10	4.20	4.80	0.30	1.42	1.71	1.38	6.60	7.98	93	---	---	---	---	---	---	---
	1.5+1.5	1.80	1.80	---	1.20	3.60	5.00	0.32	0.69	1.30	1.49	3.23	6.07	93	5.25	A	A++	4.60	3.60	1096	0.50
	1.5+2.0	1.54	2.06	---	1.20	3.60	5.00	0.32	0.69	1.28	1.49	3.23	5.96	93	5.29	A	A++	4.62	3.60	1091	0.50
	1.5+2.5	1.50	2.50	---	1.20	4.00	5.00	0.32	0.86	1.26	1.49	4.03	5.96	93	4.68	A	A+	4.39	4.20	1338	0.70
	1.5+3.5	1.38	3.22	---	1.20	4.60	5.00	0.32	0.98	1.22	1.49	4.59	5.96	93	4.72	A	A+	4.28	4.80	1570	0.80
	2.0+2.0	2.30	2.30	---	1.20	4.60	5.00	0.32	0.97	1.25	1.49	4.54	5.85	93	4.76	A	A+	4.24	4.80	1582	0.90
	2.0+2.5	2.04	2.56	---	1.20	4.60	5.00	0.32	0.98	1.23	1.49	4.59	5.85	93	4.72	A	A+	4.27	4.80	1572	0.90
	2.0+3.5	1.67	2.93	---	1.20	4.60	5.00	0.32	0.97	1.19	1.49	4.54	5.85	93	4.76	A	A+	4.30	4.80	1560	0.80
	2.5+2.5	2.30	2.30	---	1.20	4.60	5.00	0.32	0.96	1.21	1.49	4.49	5.85	93	4.84	A	A+	4.34	4.80	1548	0.90
	2.5+3.5	1.92	2.68	---	1.20	4.60	5.00	0.32	0.95	1.17	1.49	4.45	5.85	93	4.88	A	A+	4.37	4.80	1537	0.80
	3.5+3.5	2.30	2.30	---	1.20	4.60	5.00	0.32	0.94	1.15	1.49	4.40	5.75	93	4.92	A	A+	4.38	5.00	1598	0.90
	1.5+1.5+1.5	1.53	1.53	1.53	1.30	4.60	5.10	0.32	0.89	1.02	1.49	4.17	4.79	93	5.18	A	A++	4.65	5.00	1505	0.90
	1.5+1.5+2.0	1.38	1.38	1.84	1.30	4.60	5.10	0.32	0.89	1.01	1.49	4.17	4.72	93	5.2	A	A++	4.63	5.00	1511	0.90
	1.5+1.5+2.5	1.25	1.25	2.09	1.30	4.60	5.10	0.32	0.89	0.99	1.49	4.17	4.63	93	5.22	A	A++	4.61	5.00	1517	0.90
	1.5+1.5+3.5	1.06	1.06	2.48	1.30	4.60	5.10	0.32	0.88	0.97	1.49	4.12	4.53	93	5.26	A	A++	4.61	5.00	1518	0.90
	1.5+2.0+2.0	1.25	1.67	1.67	1.30	4.60	5.10	0.32	0.88	0.95	1.49	4.12	4.44	93	5.25	A	A++	4.60	5.00	1520	0.90
	1.5+2.0+2.5	1.15	1.53	1.92	1.30	4.60	5.10	0.32	0.87	0.93	1.49	4.07	4.35	93	5.29	A	A++	4.60	5.00	1521	0.90
	1.5+2.0+3.5	0.99	1.31	2.30	1.30	4.60	5.10	0.32	0.87	0.91	1.49	4.07	4.25	93	5.31	A	A++	4.62	5.00	1515	0.90
	1.5+2.5+2.5	1.06	1.77	1.77	1.30	4.60	5.10	0.32	0.88	0.87	1.49	4.12	4.07	93	5.27	A	A++	4.62	5.00	1513	0.90
	2.0+2.0+2.0	1.53	1.53	1.53	1.30	4.60	5.10	0.32	0.87	0.89	1.49	4.07	4.16	93	5.3	A	A++	4.60	5.00	1521	0.90
	2.0+2.0+2.5	1.42	1.42	1.77	1.30	4.60	5.10	0.32	0.87	0.86	1.49	4.07	4.02	93	5.32	A	A++	4.62	5.00	1515	0.90
	2.0+2.5+2.5	1.31	1.64	1.64	1.30	4.60	5.10	0.32	0.86	0.84	1.49	4.03	3.93	93	5.35	A	A++	4.63	5.00	1512	0.90

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3MXM52N2V1B	1.5	1.50	---	---	1.40	1.50	2.40	0.34	0.36	0.63	1.50	1.62	2.86	96	---	---	---	---	---	---	---
	2.0	2.00	---	---	1.60	2.00	3.00	0.36	0.48	0.78	1.60	2.17	3.51	96	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.60	2.50	3.20	0.36	0.64	0.87	1.62	2.89	3.92	96	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.60	3.50	4.20	0.37	0.98	1.30	1.63	4.43	5.88	96	---	---	---	---	---	---	---
	4.2	4.20	---	---	1.60	4.20	4.60	0.37	1.21	1.49	1.63	5.47	6.70	96	---	---	---	---	---	---	---
	5.0	---	5.00	---	1.60	5.00	5.40	0.35	1.76	2.03	1.55	7.94	9.18	96	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.70	3.00	4.70	0.35	0.55	1.32	1.55	2.50	5.98	96	5.48	A	274	A+++	8.64	3.00	122
	1.5+2.0	1.50	2.00	---	1.70	3.50	4.70	0.35	0.66	1.30	1.55	2.99	5.88	96	5.31	A	330	A+++	8.60	3.50	143
	1.5+2.5	1.50	2.50	---	1.70	4.00	5.00	0.35	0.78	1.92	1.55	3.54	8.66	96	5.16	A	388	A+++	8.54	4.00	164
	1.5+3.5	1.50	3.50	---	1.70	5.00	6.00	0.35	1.06	2.17	1.55	4.81	9.80	96	4.75	A	527	A+++	8.51	5.00	206
	1.5+4.2	1.37	3.83	---	1.70	5.20	6.10	0.35	1.10	2.26	1.55	4.99	10.21	96	4.74	A	549	A+++	8.51	5.20	214
	1.5+5.0	1.20	4.00	---	1.70	5.20	6.30	0.35	1.10	2.28	1.55	4.99	10.31	96	4.77	A	546	A+++	8.50	5.20	215
	2.0+2.0	2.00	2.00	---	1.70	4.00	6.00	0.35	0.85	2.25	1.55	3.85	10.16	96	4.72	A	424	A+++	8.52	4.00	165
	2.0+2.5	2.00	2.50	---	1.70	4.50	6.20	0.35	0.95	2.21	1.55	4.31	9.99	96	4.74	A	475	A+++	8.50	4.50	186
	2.0+3.5	1.89	3.31	---	1.70	5.20	6.30	0.35	1.10	2.30	1.55	4.99	10.38	96	4.76	A	547	A+++	8.53	5.20	214
	2.0+4.2	1.68	3.52	---	1.70	5.20	6.30	0.35	1.09	2.25	1.55	4.94	10.18	96	4.78	A	544	A+++	8.52	5.20	214
	2.0+5.0	1.49	3.71	---	1.70	5.20	6.50	0.35	1.09	2.19	1.55	4.94	9.89	96	4.80	A	542	A+++	8.51	5.20	214
	2.5+2.5	2.50	2.50	---	1.70	5.00	6.30	0.35	1.04	2.34	1.55	4.72	10.59	96	4.85	A	516	A+++	8.59	5.00	204
	2.5+3.5	2.17	3.03	---	1.70	5.20	6.30	0.35	1.09	2.28	1.55	4.94	10.31	96	4.78	A	544	A+++	8.58	5.20	213
	2.5+4.2	1.94	3.26	---	1.70	5.20	6.40	0.35	1.09	2.30	1.55	4.94	10.41	96	4.80	A	542	A+++	8.56	5.20	213
	2.5+5.0	1.73	3.47	---	1.70	5.20	6.50	0.35	1.06	2.14	1.55	4.81	9.68	96	4.92	A	529	A+++	8.53	5.20	214
	3.5+3.5	2.60	2.60	---	1.70	5.20	6.40	0.35	1.08	2.28	1.55	4.90	10.31	96	4.82	A	540	A+++	8.57	5.20	213
	3.5+4.2	2.36	2.84	---	1.70	5.20	6.40	0.35	1.08	2.26	1.55	4.90	10.21	96	4.83	A	539	A+++	8.55	5.20	213
	3.5+5.0	2.14	3.06	---	1.70	5.20	6.60	0.35	1.06	2.19	1.55	4.81	9.89	96	4.94	A	527	A+++	8.50	5.20	215
	4.2+4.2	2.60	2.60	---	1.70	5.20	6.50	0.35	1.07	2.24	1.55	4.85	10.11	96	4.88	A	533	A+++	8.54	5.20	213
	1.5+1.5+1.5	1.50	1.50	1.50	1.80	4.50	6.70	0.37	0.90	2.28	1.65	4.08	10.30	96	5.00	A	450	A+++	8.58	4.50	184
	1.5+1.5+2.0	1.50	1.50	2.00	1.80	5.00	6.70	0.37	1.06	2.26	1.65	4.81	10.20	96	4.76	A	526	A+++	8.51	5.20	214
	1.5+1.5+2.5	1.42	1.42	2.36	1.80	5.20	6.70	0.37	1.09	2.23	1.65	4.94	10.10	96	4.78	A	544	A+++	8.50	5.20	215
	1.5+1.5+3.5	1.20	1.20	2.80	1.90	5.20	6.80	0.37	1.09	2.28	1.65	4.94	10.30	96	4.81	A	541	A+++	8.50	5.20	215
	1.5+1.5+4.2	1.08	1.08	3.03	1.90	5.20	6.80	0.37	1.08	2.26	1.65	4.90	10.20	96	4.83	A	539	A+++	8.50	5.20	215
	1.5+1.5+5.0	0.98	0.98	3.25	2.00	5.20	7.10	0.35	1.05	2.17	1.55	4.76	9.80	96	4.98	A	523	A++	8.24	5.20	221
	1.5+2.0+2.0	1.42	1.89	1.89	1.80	5.20	6.70	0.37	1.10	2.21	1.65	4.99	10.00	96	4.77	A	546	A+++	8.50	5.20	215
	1.5+2.0+2.5	1.30	1.73	2.17	1.80	5.20	6.70	0.37	1.09	2.19	1.65	4.94	9.90	96	4.79	A	543	A+++	8.50	5.20	215
	1.5+2.0+3.5	1.11	1.49	2.60	1.90	5.20	6.80	0.37	1.08	2.23	1.65	4.90	10.10	96	4.82	A	540	A+++	8.50	5.20	215
	1.5+2.0+4.2	1.01	1.35	2.84	1.90	5.20	6.80	0.37	1.08	2.19	1.65	4.90	9.90	96	4.84	A	538	A+++	8.50	5.20	215
	1.5+2.0+5.0	0.92	1.22	3.06	2.00	5.20	7.20	0.35	1.04	2.15	1.55	4.72	9.70	96	5.01	A	519	A++	8.24	5.20	221
	1.5+2.5+2.5	1.20	2.00	2.00	1.80	5.20	6.70	0.37	1.09	2.17	1.65	4.94	9.80	96	4.81	A	541	A+++	8.52	5.20	214
	1.5+2.5+3.5	1.04	1.73	2.43	1.90	5.20	6.80	0.37	1.08	2.21	1.65	4.90	10.00	96	4.85	A	537	A+++	8.51	5.20	214
	1.5+2.5+4.2	0.95	1.59	2.66	1.90	5.20	6.80	0.37	1.07	2.19	1.65	4.85	9.90	96	4.87	A	534	A+++	8.50	5.20	214
	1.5+2.5+5.0	0.87	1.44	2.89	2.00	5.20	7.30	0.35	1.04	2.17	1.55	4.72	9.80	96	5.03	A	517	A++	8.17	5.20	223
	1.5+3.5+3.5	0.92	2.14	2.14	1.80	5.20	7.30	0.37	1.07	2.15	1.65	4.85	9.70	96	4.89	A	532	A+++	8.50	5.20	215
	2.0+2.0+2.0	1.73	1.73	1.73	1.80	5.20	7.00	0.37	1.07	2.22	1.65	4.85	10.05	96	4.87	A	534	A+++	8.51	5.20	214
	2.0+2.0+2.5	1.60	1.60	2.00	1.80	5.20	7.00	0.37	1.06	2.21	1.65	4.81	10.00	96	4.94	A	527	A+++	8.51	5.20	214
	2.0+2.0+3.5	1.39	1.39	2.43	1.90	5.20	7.20	0.39	1.05	2.17	1.75	4.76	9.80	96	4.96	A	525	A+++	8.50	5.20	214
	2.0+2.0+4.2	1.27	1.27	2.66	1.90	5.20	7.20	0.39	1.04	2.15	1.75	4.72	9.70	96	5.00	A	520	A+++	8.50	5.20	214
	2.0+2.0+5.0	1.16	1.16	2.89	2.00	5.20	7.30	0.37	1.03	2.19	1.65	4.67	9.91	96	5.05	A	515	A++	8.14	5.20	224
	2.0+2.5+2.5	1.49	1.86	1.86	1.80	5.20	7.10	0.39	1.05	2.12	1.75	4.76	9.60	96	4.98	A	523	A+++	8.51	5.20	214
	2.0+2.5+3.5	1.30	1.63	2.28	1.90	5.20	7.20	0.39	1.04	2.15	1.75	4.72	9.70	96	5.01	A	519	A+++	8.50	5.20	215
	2.0+2.5+4.2	1.20	1.49	2.51	1.90	5.20	7.20	0.39	1.04	2.14	1.75	4.72	9.65	96	5.03	A	517	A+++	8.50	5.20	214
	2.0+3.5+3.5	1.16	2.02	2.02	1.90	5.20	7.30	0.39	1.04	2.15	1.75	4.72	9.70	96	5.02	A	518	A+++	8.50	5.20	215
	2.5+2.5+2.5	1.73	1.73	1.73	1.90	5.20	7.10	0.39	1.04	2.19	1.75	4.72	9.90	96	5.00	A	520	A+++	8.50	5.20	215
	2.5+2.5+3.5	1.53	1.53	2.14	1.90	5.20	7.20	0.39	1.04	2.16	1.75	4.72	9.75	96	5.02	A	518	A+++	8.50	5.20	215

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM52N2V1B	1.5	2.3	---	---	1.10	2.30	3.40	0.30	0.57	1.09	1.34	2.55	4.94	96	---	---	---	---	---	---	---
	2.0	2.7	---	---	1.10	2.70	3.80	0.30	0.76	1.27	1.34	3.40	5.75	96	---	---	---	---	---	---	---
	2.5	3.4	---	---	1.10	3.40	4.20	0.30	1.01	1.36	1.34	4.54	6.16	96	---	---	---	---	---	---	---
	3.5	4.2	---	---	1.10	4.20	4.80	0.30	1.42	1.74	1.34	6.39	7.88	96	---	---	---	---	---	---	---
	4.2	4.8	---	---	1.10	4.80	5.60	0.30	1.62	2.03	1.34	7.32	9.18	96	---	---	---	---	---	---	---
	5.0	---	5.8	---	1.10	5.80	6.80	0.30	2.17	2.58	1.34	9.80	11.68	96	---	---	---	---	---	---	---
	1.5+1.5	1.8	1.8	---	1.20	3.60	5.80	0.32	0.67	1.62	1.44	3.04	7.34	96	5.42	A	A++	4.60	3.60	1095	0.5
	1.5+2.0	1.7	2.3	---	1.20	4.00	5.80	0.32	0.77	1.60	1.44	3.49	7.25	96	5.21	A	A++	4.65	3.60	1084	0.5
	1.5+2.5	1.7	2.8	---	1.20	4.50	6.90	0.32	0.91	2.06	1.44	4.13	9.33	96	4.96	A	A+	4.44	4.20	1325	0.7
	1.5+3.5	1.7	3.9	---	1.20	5.50	7.00	0.32	1.22	2.25	1.44	5.53	10.19	96	4.53	A	A+	4.30	4.80	1562	0.8
	1.5+4.2	1.6	4.4	---	1.20	6.00	7.00	0.32	1.42	2.23	1.44	6.44	10.10	96	4.24	A	A+	4.34	4.80	1546	0.8
	1.5+5.0	1.6	5.2	---	1.30	6.80	7.20	0.32	1.58	2.30	1.44	7.16	10.42	96	4.33	A	A+	4.47	4.80	1501	0.7
	2.0+2.0	3.4	3.4	---	1.20	6.80	7.00	0.32	1.59	2.26	1.44	7.21	10.24	96	4.28	A	A+	4.27	4.80	1573	0.9
	2.0+2.5	3.0	3.8	---	1.20	6.80	7.00	0.32	1.58	2.25	1.44	7.16	10.19	96	4.32	A	A+	4.30	4.80	1563	0.9
	2.0+3.5	2.5	4.3	---	1.20	6.80	7.10	0.32	1.57	2.26	1.44	7.12	10.24	96	4.34	A	A+	4.33	4.80	1552	0.8
	2.0+4.2	2.2	4.6	---	1.20	6.80	7.10	0.32	1.56	2.24	1.44	7.07	10.14	96	4.36	A	A+	4.36	4.80	1541	0.8
	2.0+5.0	1.9	4.9	---	1.40	6.80	7.20	0.32	1.53	2.28	1.44	6.93	10.32	96	4.46	A	A+	4.50	4.80	1492	0.7
	2.5+2.5	3.4	3.4	---	1.20	6.80	7.00	0.32	1.53	2.23	1.44	6.93	10.10	96	4.45	A	A+	4.38	4.80	1533	0.9
	2.5+3.5	2.8	4.0	---	1.30	6.80	7.20	0.32	1.53	2.35	1.44	6.93	10.64	96	4.46	A	A+	4.41	4.80	1523	0.8
	2.5+4.2	2.5	4.3	---	1.30	6.80	7.20	0.32	1.52	2.33	1.44	6.89	10.55	96	4.48	A	A+	4.45	4.80	1508	0.8
	2.5+5.0	2.3	4.5	---	1.40	6.80	7.40	0.32	1.50	2.33	1.44	6.80	10.52	96	4.54	A	A+	4.53	4.80	1482	0.7
	3.5+3.5	3.4	3.4	---	1.40	6.80	7.30	0.32	1.52	2.38	1.44	6.89	10.78	96	4.50	A	A+	4.40	5.00	1590	0.9
	3.5+4.2	3.1	3.7	---	1.40	6.80	7.30	0.32	1.51	2.36	1.44	6.84	10.69	96	4.52	A	A+	4.43	5.00	1579	0.9
	3.5+5.0	2.8	4.0	---	1.45	6.80	7.50	0.32	1.50	2.30	1.44	6.80	10.42	96	4.56	A	A+	4.52	5.00	1548	0.8
	4.2+4.2	3.4	3.4	---	1.40	6.80	7.30	0.32	1.50	2.35	1.44	6.80	10.62	96	4.55	A	A+	4.46	5.00	1569	0.9
	1.5+1.5+1.5	2.3	2.3	2.3	1.30	6.80	8.00	0.32	1.40	2.12	1.44	6.35	9.60	96	4.87	A	A++	4.60	5.00	1522	0.9
	1.5+1.5+2.0	2.0	2.0	2.7	1.30	6.80	8.00	0.32	1.40	2.10	1.44	6.35	9.51	96	4.88	A	A++	4.61	5.00	1517	0.9
	1.5+1.5+2.5	1.9	1.9	3.1	1.30	6.80	8.00	0.32	1.39	2.08	1.44	6.30	9.42	96	4.91	A	A++	4.63	5.00	1512	0.9
	1.5+1.5+3.5	1.6	1.6	3.7	1.40	6.80	8.10	0.32	1.38	2.13	1.44	6.25	9.65	96	4.94	A	A++	4.65	5.00	1506	0.9
	1.5+1.5+4.2	1.4	1.4	4.0	1.40	6.80	8.10	0.32	1.38	2.11	1.44	6.25	9.56	96	4.96	A	A++	4.66	5.00	1500	0.9
	1.5+1.5+5.0	1.3	1.3	4.3	1.60	6.80	8.30	0.32	1.32	2.09	1.44	5.98	9.47	96	5.18	A	A++	4.83	5.00	1448	0.8
	1.5+2.0+2.0	1.9	2.5	2.5	1.30	6.80	8.00	0.32	1.39	2.14	1.44	6.30	9.69	96	4.90	A	A++	4.62	5.00	1515	0.9
	1.5+2.0+2.5	1.7	2.3	2.8	1.30	6.80	8.00	0.32	1.38	2.12	1.44	6.25	9.60	96	4.93	A	A++	4.64	5.00	1509	0.9
	1.5+2.0+3.5	1.5	1.9	3.4	1.40	6.80	8.10	0.32	1.37	2.16	1.44	6.21	9.78	96	4.97	A	A++	4.65	5.00	1503	0.9
	1.5+2.0+4.2	1.3	1.8	3.7	1.40	6.80	8.10	0.32	1.36	2.14	1.44	6.16	9.69	96	5.00	A	A++	4.67	5.00	1498	0.9
	1.5+2.0+5.0	1.2	1.6	4.0	1.60	6.80	8.30	0.32	1.31	2.07	1.44	5.94	9.38	96	5.22	A	A++	4.85	5.00	1443	0.8
	1.5+2.5+2.5	1.6	2.6	2.6	1.30	6.80	8.00	0.32	1.38	2.12	1.44	6.25	9.60	96	4.95	A	A++	4.64	5.00	1507	0.9
	1.5+2.5+3.5	1.4	2.3	3.2	1.40	6.80	8.10	0.32	1.37	2.13	1.44	6.21	9.65	96	4.99	A	A++	4.66	5.00	1501	0.9
	1.5+2.5+4.2	1.2	2.1	3.5	1.40	6.80	8.10	0.32	1.36	2.11	1.44	6.16	9.56	96	5.01	A	A++	4.68	5.00	1495	0.9
	1.5+2.5+5.0	1.1	1.9	3.8	1.60	6.80	8.30	0.32	1.30	2.09	1.44	5.89	9.47	96	5.26	A	A++	4.86	5.00	1438	0.8
	1.5+3.5+3.5	1.2	2.8	2.8	1.30	6.80	8.20	0.32	1.36	2.14	1.44	6.16	9.69	96	5.02	A	A++	4.70	5.00	1489	0.9
	2.0+2.0+2.0	2.3	2.3	2.3	1.30	6.80	8.00	0.32	1.39	2.13	1.44	6.30	9.65	96	4.91	A	A++	4.61	5.00	1516	0.9
	2.0+2.0+2.5	2.1	2.1	2.6	1.30	6.80	8.00	0.32	1.38	2.11	1.44	6.25	9.56	96	4.95	A	A++	4.63	5.00	1510	0.9
	2.0+2.0+3.5	1.8	1.8	3.2	1.40	6.80	8.10	0.32	1.37	2.12	1.44	6.21	9.60	96	4.98	A	A++	4.66	5.00	1501	0.9
	2.0+2.0+4.2	1.7	1.7	3.5	1.40	6.80	8.10	0.32	1.36	2.10	1.44	6.16	9.51	96	5.01	A	A++	4.68	5.00	1496	0.9
	2.0+2.0+5.0	1.5	1.5	3.8	1.60	6.80	8.30	0.32	1.29	2.08	1.44	5.85	9.42	96	5.30	A	A++	4.88	5.00	1434	0.8
	2.0+2.5+2.5	1.9	2.4	2.4	1.30	6.80	8.00	0.32	1.37	2.09	1.44	6.21	9.47	96	4.99	A	A++	4.64	5.00	1508	0.9
	2.0+2.5+3.5	1.7	2.1	3.0	1.50	6.80	8.10	0.32	1.36	2.11	1.44	6.16	9.56	96	5.03	A	A++	4.67	5.00	1499	0.9
	2.0+2.5+4.2	1.6	2.0	3.3	1.50	6.80	8.10	0.32	1.35	2.11	1.44	6.12	9.56	96	5.07	A	A++	4.68	5.00	1493	0.9
	2.0+3.5+3.5	1.5	2.6	2.6	1.50	6.80	8.20	0.32	1.35	2.15	1.44	6.12	9.74	96	5.05	A	A++	4.68	5.00	1496	0.9
	2.5+2.5+2.5	2.3	2.3	2.3	1.40	6.80	8.00	0.32	1.36	2.07	1.44	6.16	9.38	96	5.02	A	A++	4.65	5.00	1505	0.9
	2.5+2.5+3.5	2.0	2.0	2.8	1.50	6.80	8.10	0.32	1.35	2.09	1.44	6.12	9.47	96	5.05	A	A++	4.68	5.00	1496	0.9

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
	1.5	1.60	---	---	1.52	1.60	2.49	0.40	0.42	0.59	1.82	1.98	2.71	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	1.66	2.00	2.68	0.42	0.43	0.60	1.91	2.08	2.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.74	2.50	3.44	0.44	0.44	0.82	2.00	2.62	3.77	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.93	3.50	4.86	0.46	0.46	1.43	2.09	3.84	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	1.93	4.20	5.33	0.46	0.46	1.44	2.09	3.93	6.57	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	1.94	5.00	6.03	0.44	0.44	2.13	2.00	7.20	9.77	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	1.94	6.00	6.51	0.44	0.44	2.13	2.00	7.29	9.77	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.95	3.00	4.79	0.40	0.51	1.15	1.81	2.34	5.25	95	5.96	A	255	A++	7.29	3.00	144
	1.5+2.0	1.50	2.00	---	1.95	3.50	4.96	0.40	0.62	1.22	1.81	2.84	5.58	95	5.66	A	310	A++	7.53	3.50	163
	1.5+2.5	1.50	2.50	---	1.95	4.00	5.28	0.40	0.75	1.36	1.81	3.44	6.23	95	5.36	A	375	A++	7.75	4.00	181
	1.5+3.5	1.50	3.50	---	1.95	5.00	6.17	0.39	1.04	1.83	1.77	4.76	8.39	95	4.81	A	520	A++	7.80	5.00	225
	1.5+4.2	1.50	4.20	---	1.95	5.70	6.39	0.39	1.27	1.96	1.77	5.82	8.96	95	4.51	A	635	A++	7.84	5.70	255
	1.5+5.0	1.50	5.00	---	1.95	6.50	7.08	0.38	1.50	2.23	1.73	6.87	10.22	95	4.36	A	750	A++	7.86	6.50	290
	1.5+6.0	1.36	5.44	---	1.96	6.80	7.59	0.37	1.62	2.36	1.68	7.42	10.79	95	4.21	A	810	A++	7.81	6.80	305
	2.0+2.0	2.00	2.00	---	1.95	4.00	5.12	0.40	0.75	1.29	1.81	3.44	5.91	95	5.36	A	375	A++	7.75	4.00	181
	2.0+2.5	2.00	2.50	---	1.95	4.50	5.44	0.40	0.89	1.43	1.81	4.08	6.56	95	5.06	A	445	A++	7.80	4.50	202
	2.0+3.5	2.00	3.50	---	1.95	5.50	6.30	0.39	1.17	1.91	1.77	5.36	8.76	95	4.71	A	585	A++	7.91	5.50	244
	2.0+4.2	2.00	4.20	---	1.95	6.20	6.51	0.39	1.43	2.05	1.77	6.55	9.37	95	4.36	A	715	A++	7.88	6.20	276
	2.0+5.0	1.94	4.86	---	1.95	6.80	7.26	0.38	1.59	2.36	1.73	7.28	10.79	95	4.28	A	795	A++	7.78	6.80	306
	2.0+6.0	1.70	5.10	---	1.96	6.80	7.71	0.37	1.61	2.45	1.68	7.37	11.20	95	4.23	A	805	A++	7.71	6.80	309
	2.5+2.5	2.50	2.50	---	1.95	5.00	6.10	0.41	1.01	1.78	1.89	4.63	8.15	95	4.96	A	505	A++	7.81	5.00	224
	2.5+3.5	2.50	3.50	---	1.95	6.00	6.57	0.40	1.29	2.11	1.81	5.91	9.65	95	4.66	A	645	A++	7.94	6.00	265
	2.5+4.2	2.50	4.20	---	1.95	6.70	6.95	0.40	1.51	2.38	1.81	6.92	10.88	95	4.46	A	755	A++	7.99	6.70	294
	2.5+5.0	2.27	4.53	---	1.95	6.80	7.37	0.37	1.50	2.45	1.68	6.87	11.20	95	4.56	A	750	A++	7.93	6.80	300
	2.5+6.0	2.00	4.80	---	1.96	6.80	7.71	0.35	1.48	2.45	1.60	6.78	11.20	95	4.61	A	740	A++	7.90	6.80	301
	3.5+3.5	3.40	3.40	---	1.95	6.80	7.13	0.38	1.45	2.37	1.73	6.64	10.83	95	4.70	A	725	A++	8.02	6.80	297
	3.5+4.2	3.09	3.71	---	1.95	6.80	7.24	0.38	1.45	2.46	1.73	6.64	11.24	95	4.72	A	725	A++	8.00	6.80	298
	3.5+5.0	2.80	4.00	---	1.95	6.80	7.76	0.35	1.42	2.78	1.60	6.50	12.71	95	4.82	A	710	A++	7.92	6.80	301
	3.5+6.0	2.51	4.29	---	2.26	6.80	8.07	0.40	1.40	2.72	1.81	6.41	12.46	95	4.87	A	700	A++	7.89	6.80	302
	4.2+4.2	---	3.40	3.40	1.95	6.80	7.14	0.38	1.44	2.37	1.73	6.60	10.83	95	4.74	A	720	A++	7.98	6.80	298
	4.2+5.0	---	3.10	3.70	1.95	6.80	7.77	0.35	1.41	2.78	1.60	6.46	12.71	95	4.84	A	705	A++	7.90	6.80	302
	4.2+6.0	---	2.80	4.00	2.26	6.80	8.08	0.40	1.40	2.72	1.81	6.41	12.46	95	4.89	A	700	A++	7.87	6.80	303
	5.0+5.0	---	3.40	3.40	2.34	6.80	8.22	0.43	1.38	2.98	1.98	6.32	13.65	95	4.94	A	690	A++	7.88	6.80	302
	5.0+6.0	---	3.09	3.71	2.47	6.80	8.45	0.44	1.37	2.92	2.02	6.28	13.36	95	4.99	A	685	A++	7.85	6.80	304
	1.5+1.5+1.5	1.50	1.50	1.50	1.96	4.50	6.40	0.39	0.61	1.57	1.77	2.80	7.17	95	7.46	A	305	A+++	8.54	4.50	185
	1.5+1.5+2.0	1.44	1.44	1.92	1.96	4.80	6.56	0.39	0.70	1.65	1.77	3.21	7.54	95	6.86	A	350	A+++	8.52	4.80	198
	1.5+1.5+2.5	1.36	1.36	2.27	1.96	5.00	6.72	0.39	0.80	1.73	1.77	3.67	7.90	95	6.26	A	400	A+++	8.50	5.00	206
	1.5+1.5+3.5	1.50	1.50	3.50	1.96	6.50	7.11	0.38	1.56	1.92	1.73	7.14	8.80	95	4.19	A	780	A++	7.85	6.50	290
	1.5+1.5+4.2	1.42	1.42	3.97	1.96	6.80	7.33	0.38	1.80	2.05	1.73	8.24	9.37	95	3.79	A	900	A++	7.71	6.80	309
	1.5+1.5+5.0	1.28	1.28	4.25	1.96	6.80	7.74	0.36	1.75	2.22	1.64	8.01	10.14	95	3.89	A	875	A++	7.64	6.80	312
	1.5+1.5+6.0	1.13	1.13	4.53	2.31	6.80	7.99	0.40	1.73	2.17	1.85	7.92	9.94	95	3.94	A	865	A++	7.62	6.80	313
3MXM68N2V1B	1.5+2.0+2.0	1.50	2.00	2.00	1.96	5.50	6.48	0.39	1.01	1.61	1.77	4.63	7.37	95	5.46	A	505	A++	8.17	5.50	236
	1.5+2.0+2.5	1.50	2.00	2.50	1.96	6.00	6.87	0.39	1.32	1.81	1.77	6.05	8.27	95	4.56	A	660	A++	7.90	6.00	266
	1.5+2.0+3.5	1.46	1.94	3.40	1.96	6.80	7.25	0.38	1.80	2.01	1.73	8.24	9.21	95	3.79	A	900	A++	7.71	6.80	309
	1.5+2.0+4.2	1.32	1.77	3.71	1.96	6.80	7.47	0.38	1.79	2.14	1.73	8.20	9.78	95	3.81	A	895	A++	7.69	6.80	310
	1.5+2.0+5.0	1.20	1.60	4.00	1.96	6.80	7.87	0.36	1.74	2.31	1.64	7.97	10.55	95	3.91	A	870	A++	7.63	6.80	312
	1.5+2.0+6.0	1.07	1.43	4.29	2.31	6.80	8.13	0.40	1.72	2.26	1.85	7.88	10.35	95	3.96	A	860	A++	7.60	6.80	313
	1.5+2.5+2.5	1.50	2.50	2.50	1.96	6.50	7.10	0.38	1.63	1.92	1.73	7.46	8.80	95	4.01	A	815	A++	7.76	6.50	294
	1.5+2.5+3.5	1.36	2.27	3.17	1.96	6.80	7.60	0.36	1.79	2.23	1.64	8.20	10.18	95	3.81	A	895	A++	7.69	6.80	310
	1.5+2.5+4.2	1.24	2.07	3.48	1.96	6.80	7.81	0.36	1.78	2.35	1.64	8.15	10.75	95	3.83	A	890	A++	7.67	6.80	310
	1.5+2.5+5.0	1.13	1.89	3.78	1.96	6.80	7.95	0.36	1.74	2.35	1.64	7.97	10.75	95	3.93	A	870	A++	7.61	6.80	313
	1.5+2.5+6.0	1.02	1.70	4.08	2.31	6.80	8.42	0.41	1.71	2.44	1.89	7.83	11.16	95	3.98	A	855	A++	7.59	6.80	314
	1.5+3.5+3.5	1.20	2.80	2.80	1.96	6.80	7.94	0.37	1.77	2.45	1.68	8.11	11.20	95	3.85	A	885	A++	7.67	6.80	311
	1.5+3.5+4.2	1.11	2.59	3.10	1.96	6.80	8.13	0.37	1.76	2.58	1.68	8.06	11.81	95	3.87	A	880	A++	7.65	6.80	311
	1.5+3.5+5.0	1.02	2.38	3.40	1.96	6.80	8.46	0.33	1.72	2.72	1.52	7.88	12.46	95	3.97	A	860	A++	7.58	6.80	314
	1.5+3.5+6.0	0.93	2.16	3.71	2.31	6.80	8.56	0.41	1.70	2.53	1.89	7.79	11.57	95	4.02	A	850	A++	7.56	6.80	315
	1.5+4.2+4.2	1.03	2.88	2.88	1.96	6.80	8.26	0.37	1.75	2.68	1.68	8.01	12.26	95	3.89	A	875	A++	7.63	6.80	312
	1.5+4.2+5.0	0.95	2.67	3.18	1.96	6.80	8.53	0.33	1.71	2.77	1.52	7.83	12.67	95	3.99	A	855	A++	7.56	6.80	315
	2.0+2.0+2.0	2.00	2.00	2.00	1.96	6.00	6.64	0.39	1.34	1.68	1.77	6.14	7.70	95	4.51	A	670	A++	7.84	6.00	268
	2.0+2.0+2.5	2.00	2.00	2.50	1.96	6.50	7.03	0.39	1.63	1.89	1.77	7.46	8.64	95	4.01	A	815	A++	7.76	6.50	294
	2.0+2.0+3.5	1.81	1.81	3.17	1.96	6.80	7.40	0.38	1.79	2.09	1.73	8.20	9.57	95	3.81	A	895	A++	7.69	6.80	310
	2.0+2.0+4.2	1.66	1.66	3.48	1.96	6.80	7.61	0.38	1.78	2.23	1.73	8.15	10.18	95	3.83	A	890	A++	7.67	6.80	310
	2.0+2.0+5.0	1.51	1.51	3.78	1.96	6.80	8.01	0.36	1.74	2.39	1.64	7.97	10.96	95	3.93	A	870	A++	7.61	6.80	313
	2.0+2.0+6.0	1.36	1.36	4.08	2.31	6.80	8.27	0.40	1.71	2.35	1.85	7.83	10.75	95	3.98	A	855	A++	7.59	6.80	314
	2.0+2.5+2.5	1.94	2.43	2.43	1.96	6.80	7.24	0.38	1.77	2.01	1.73	8.11	9.21	95	3.85	A	885	A++	7.71	6.80	309
	2.0+2.5+3.5	1.70	2.13	2.98	1.96	6.80	7.74	0.36	1.76	2.31	1.64	8.06	10.55	95	3.87	A	880	A++	7.69	6.80	310
	2.0+2.5+4.2	1.56	1.95	3.28	1.96	6.80	7.94	0.36	1.75	2.45	1.64	8.01	11.20	95	3.89	A	875	A++	7.68	6.80	310
	2.0+2.5+5.0	1.43	1.79	3.58	1.96	6.80	8.08	0.36	1.71	2.44	1.64	7.83	11.16	95	3.99	A	855	A++	7.61	6.80	313
	2.0+2.5+6.0	1.30	1.62	3.89	2.31	6.80	8.55	0.41	1.69	2.53	1.89	7.74	11.57	95	4.04	A	845	A++	7.58	6.80	314
	2.0+3.5+3.5	1.51	2.64	2.64	1.96	6.80	8.07	0.37	1.74	2.54	1.68	7.97	11.61	95	3.91	A	870	A++	7.67	6.80	311
	2.0+3.5+4.2	1.40	2.45	2.94	1.96	6.80	8.25	0.37	1.74	2.68	1.68	7.97	12.26	95	3.93	A	870	A++	7.65	6.80	311
	2.0+3.5+5.0	1.30	2.27	3.24	2.28	6.80	8.58	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.80	314
	2.0+4.2+4.2	1.31	2.75	2.75	1.96	6.80	8.37	0.37	1.73	2.77	1.68	7.92	12.67	95	3.95	A	865	A++	7.63	6.80	312
	2.5+2.5+2.5	2.27	2.27	2.27	1.96	6.80	7.53	0.38	1.76	2.18	1.73	8.06	9.98	95	3.87	A	880	A++	7.70	6.80	310
	2.5+2.5+3.5	2.00	2.00	2.80	1.96	6.80	7.94	0.36	1.72	2.45	1.64	7.88	11.20	95	3.97	A	860	A++	7.62	6.80	313
	2.5+2.5+4.2	1.85	1.85	3.10	1.96	6.80	8.12	0.36	1.71	2.58	1.64	7.83	11.81	95	3.99	A	855	A++	7.60	6.80	313
	2.5+2.5+5.0	1.70	1.70	3.40	2.28	6.80	8.45	0.40	1.67	2.72	1.85	7.65	12.46	95	4.09	A	835	A++	7.53	6.80	316
	2.5+2.5+6.0	1.55	1.55	3.71	2.42	6.80	8.74	0.40	1.65	2.67	1.85	7.56	12.22	95	4.14	A	825	A++	7.51	6.80	317
	2.5+3.5+3.5	1.79	2.51	2.51	2.27	6.80	8.30	0.40	1.70	2.72	1.85	7.79	12.46	95	4.01	A	850	A++	7.59	6.80	314
	2.5+3.5+4.2	1.67	2.33	2.80	2.27	6.80	8.43	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.80	314
	2.5+3.5+5.0	1.55	2.16	3.09	2.48	6.80	8.74	0.42	1.65	2.96	1.94	7.56	13.56	95	4.13	A	825	A++	7.50	6.80	317
	2.5+4.2+4.2	1.56	2.62	2.62	2.27	6.80	8.49	0.40	1.68	2.87	1.85	7.69	13.12	95	4.05	A	840	A++	7.56	6.80	315
	3.5+3.5+3.5	2.27	2.27	2.27	2.38	6.80	8.59	0.40	1.68	2.96	1.81	7.69	13.56	95	4.05	A	840	A++	7.57	6.80	315

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM68N2V1B	30	2.70	---	---	1.47	2.70	4.08	0.42	0.72	1.22	1.91	3.35	5.59	95	---	---	---	---	---	---	---
	40	2.72	---	---	1.48	2.72	4.09	0.43	0.73	1.28	1.95	3.39	5.64	95	---	---	---	---	---	---	---
	50	3.40	---	---	1.44	3.40	4.30	0.42	1.02	1.37	1.91	4.72	6.08	95	---	---	---	---	---	---	---
	70	4.30	---	---	1.45	4.30	4.90	0.40	1.41	1.75	1.82	6.50	7.15	95	---	---	---	---	---	---	---
	84	---	4.32	---	1.44	4.32	5.70	0.40	1.40	2.04	1.82	6.46	7.15	95	---	---	---	---	---	---	---
	100	---	5.60	---	1.66	5.60	6.90	0.39	1.82	2.59	1.78	8.43	8.70	95	---	---	---	---	---	---	---
	120	---	7.90	---	1.88	7.90	8.91	0.37	2.62	2.64	1.69	12.13	12.08	95	---	---	---	---	---	---	---
	1.5+1.5	2.65	2.65	---	1.65	5.30	7.38	0.36	1.19	1.83	1.63	5.45	8.38	95	4.45	A	A	3.85	3.80	1380	0.73
	1.5+2.0	2.44	3.26	---	1.65	5.70	7.76	0.36	1.31	1.99	1.63	6.00	9.09	95	4.35	A	A	3.85	3.80	1380	0.72
	1.5+2.5	2.29	3.81	---	1.65	6.10	7.95	0.36	1.43	2.06	1.63	6.55	9.43	95	4.27	A	A	3.87	3.80	1373	0.71
	1.5+3.5	2.07	4.83	---	1.80	6.90	8.50	0.37	1.69	2.35	1.68	7.74	10.74	95	4.10	A	A	3.86	4.30	1558	0.92
	1.5+4.2	1.97	5.53	---	1.80	7.50	8.85	0.37	1.90	2.57	1.68	8.70	11.75	95	3.97	A	A	3.88	4.30	1548	0.91
	1.5+5.0	1.89	6.31	---	2.18	8.20	10.38	0.45	2.13	2.91	2.06	9.75	13.31	95	3.86	A	A	3.87	4.50	1628	0.96
	1.5+6.0	1.72	6.88	---	2.46	8.60	10.58	0.48	2.28	2.67	2.19	10.44	12.21	95	3.78	A	A	3.91	4.80	1717	1.07
	2.0+2.0	3.25	3.25	---	1.65	6.50	7.95	0.36	1.37	2.31	1.63	6.28	9.47	95	4.75	A	A	3.91	3.80	1361	0.71
	2.0+2.5	3.07	3.83	---	1.65	6.90	8.12	0.36	1.52	2.32	1.63	6.96	9.81	95	4.56	A	A	3.92	3.80	1354	0.71
	2.0+3.5	2.73	4.77	---	1.80	7.50	8.67	0.37	1.75	2.43	1.68	8.01	11.12	95	4.30	A	A	3.86	4.30	1558	0.91
	2.0+4.2	2.58	5.42	---	1.80	8.00	9.03	0.37	1.98	2.66	1.68	9.07	12.17	95	4.06	A	A	3.88	4.30	1550	0.90
	2.0+5.0	2.46	6.14	---	2.18	8.60	10.56	0.45	2.26	3.00	2.06	10.35	13.73	95	3.82	A	A	3.90	4.50	1612	0.96
	2.0+6.0	2.15	6.45	---	2.46	8.60	10.75	0.48	2.24	2.74	2.19	10.26	12.55	95	3.84	A	A	3.93	4.80	1710	1.07
	2.5+2.5	3.60	3.60	---	1.65	7.20	8.49	0.36	1.62	2.36	1.63	7.42	10.78	95	4.46	A	A	3.85	4.00	1455	0.79
	2.5+3.5	3.29	4.61	---	1.89	7.90	9.03	0.38	1.91	2.66	1.72	8.75	12.17	95	4.14	A	A	3.83	4.30	1569	0.90
	2.5+4.2	3.10	5.20	---	1.89	8.30	9.29	0.38	2.11	2.82	1.72	9.66	12.93	95	3.95	A	A	3.86	4.30	1559	0.90
	2.5+5.0	2.87	5.73	---	2.27	8.60	10.68	0.46	2.24	3.09	2.11	10.26	14.15	95	3.86	A	A	3.84	4.50	1637	0.91
	2.5+6.0	2.53	6.07	---	2.55	8.60	10.88	0.50	2.22	2.77	2.28	10.17	12.67	95	3.88	A	A	3.91	4.80	1716	1.00
	3.5+3.5	4.30	4.30	---	2.17	8.60	9.38	0.42	2.26	2.86	1.94	10.35	13.09	95	3.81	A	A+	4.00	4.80	1680	1.07
	3.5+4.2	3.91	4.69	---	2.17	8.60	9.47	0.42	2.26	2.91	1.94	10.35	13.31	95	3.82	A	A+	4.01	4.80	1675	1.06
	3.5+5.0	3.54	5.06	---	2.56	8.60	10.90	0.51	2.22	3.13	2.32	10.17	14.32	95	3.88	A	A+	4.01	4.80	1675	1.03
	3.5+6.0	3.17	5.43	---	2.74	8.60	11.01	0.52	2.21	2.76	2.37	10.12	12.63	95	3.91	A	A+	4.06	4.80	1652	1.01
	4.2+4.2	---	4.30	4.30	2.17	8.60	9.56	0.42	2.22	2.94	1.94	10.17	13.47	95	3.88	A	A+	4.00	4.80	1679	1.04
	4.2+5.0	---	3.93	4.67	2.56	8.60	10.91	0.51	2.21	3.19	2.32	10.12	14.61	95	3.90	A	A	3.93	5.20	1851	1.20
	4.2+6.0	---	3.54	5.06	2.74	8.60	11.02	0.51	2.20	2.79	2.32	10.07	12.76	95	3.92	A	A+	4.03	5.20	1804	1.18
	5.0+5.0	---	4.30	4.30	2.94	8.60	11.10	0.59	2.17	3.11	2.71	9.94	14.23	95	3.98	A	A+	4.06	5.20	1793	1.15
	5.0+6.0	---	3.91	4.69	3.14	8.60	11.10	0.60	2.15	2.72	2.75	9.84	12.46	95	4.01	A	A+	4.09	5.20	1779	1.13
	1.5+1.5+1.5	2.17	2.17	2.17	2.01	6.50	9.92	0.41	1.33	2.26	1.89	6.09	10.36	95	4.91	A	A+	4.07	5.30	1822	1.11
	1.5+1.5+2.0	2.07	2.07	2.76	2.01	6.90	10.10	0.41	1.46	2.34	1.89	6.69	10.69	95	4.74	A	A+	4.08	5.30	1817	1.10
	1.5+1.5+2.5	2.02	2.02	3.36	2.10	7.40	10.18	0.42	1.64	2.37	1.94	7.51	10.86	95	4.53	A	A+	4.09	5.30	1810	1.09
	1.5+1.5+3.5	1.89	1.89	4.42	2.31	8.20	10.29	0.44	1.87	2.49	2.02	8.56	11.41	95	4.39	A	A+	4.14	5.30	1793	1.07
	1.5+1.5+4.2	1.79	1.79	5.02	2.31	8.60	10.29	0.44	2.03	2.49	2.02	9.30	11.41	95	4.25	A	A+	4.15	5.30	1786	1.07
	1.5+1.5+5.0	1.61	1.61	5.38	2.71	8.60	10.46	0.55	2.01	2.57	2.50	9.20	11.75	95	4.29	A	A+	4.23	5.30	1752	1.03
	1.5+1.5+6.0	1.43	1.43	5.73	2.93	8.60	10.59	0.55	1.99	2.31	2.50	9.11	10.57	95	4.33	A	A+	4.27	5.30	1735	1.01
	1.5+2.0+2.0	2.35	3.13	3.13	2.01	8.60	10.26	0.41	2.05	2.41	1.89	9.39	11.03	95	4.21	A	A+	4.09	5.30	1814	1.10
	1.5+2.0+2.5	2.15	2.87	3.58	2.10	8.60	10.36	0.42	2.04	2.44	1.94	9.34	11.16	95	4.23	A	A+	4.10	5.30	1807	1.09
	1.5+2.0+3.5	1.84	2.46	4.30	2.31	8.60	10.45	0.44	2.02	2.58	2.02	9.25	11.79	95	4.26	A	A+	4.14	5.30	1793	1.07
	1.5+2.0+4.2	1.68	2.23	4.69	2.31	8.60	10.46	0.44	2.01	2.57	2.02	9.20	11.75	95	4.28	A	A+	4.15	5.30	1786	1.07
	1.5+2.0+5.0	1.52	2.02	5.06	2.71	8.60	10.88	0.55	2.00	2.64	2.50	9.16	12.08	95	4.32	A	A+	4.23	5.30	1752	1.03
	1.5+2.0+6.0	1.36	1.81	5.43	2.93	8.60	10.89	0.55	1.98	2.38	2.50	9.07	10.91	95	4.36	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+2.5	1.98	3.31	3.31	2.20	8.60	10.47	0.45	2.03	2.44	2.06	9.30	11.16	95	4.25	A	A+	4.12	5.30	1800	1.08
	1.5+2.5+3.5	1.72	2.87	4.01	2.40	8.60	10.58	0.47	2.02	2.57	2.15	9.25	11.75	95	4.27	A	A+	4.16	5.30	1782	1.06
	1.5+2.5+4.2	1.57	2.62	4.40	2.41	8.60	10.58	0.47	2.00	2.57	2.15	9.16	11.75	95	4.30	A	A+	4.19	5.30	1768	1.05
	1.5+2.5+5.0	1.43	2.39	4.78	2.81	8.60	11.00	0.56	1.99	2.64	2.58	9.11	12.08	95	4.34	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+6.0	1.29	2.15	5.16	3.02	8.60	11.00	0.57	1.97	2.38	2.62	9.02	10.91	95	4.38	A	A+	4.31	5.30	1719	0.99
	1.5+3.5+3.5	1.52	3.54	3.54	2.69	8.60	10.59	0.55	1.99	2.57	2.50	9.11	11.75	95	4.33	A	A+	4.20	5.30	1765	1.04
	1.5+3.5+4.2	1.40	3.27	3.93	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	11.71	95	4.35	A	A+	4.22	5.30	1755	1.03
	1.5+3.5+5.0	1.29	3.01	4.30	3.00	8.60	10.93	0.62	1.97	2.59	2.84	9.02	11.87	95	4.38	A	A+	4.30	5.30	1722	0.99
	1.5+3.5+6.0	1.17	2.74	4.69	2.93	8.60	10.93	0.55	1.96	2.37	2.50	8.98	10.86	95	4.40	A	A+	4.34	5.30	1707	0.98
	1.5+4.2+4.2	1.30	3.65	3.65	2.69	8.60	10.68	0.55	1.98	2.59	2.50	9.07	11.87	95	4.35	A	A+	4.24	5.30	1748	1.02
	1.5+4.2+5.0	1.21	3.38	4.02	3.00	8.60	10.99	0.62	1.96	2.67	2.84	8.98	12.21	95	4.39	A	A+	4.32	5.30	1716	0.99
	2.0+2.0+2.0	2.60	2.60	2.60	2.01	7.80	10.44	0.41	1.72	2.48	1.89	7.88	11.37	95	4.56	A	A+	4.07	5.30	1821	1.10
	2.0+2.0+2.5	2.52	2.52	3.15	2.10	8.20	10.52	0.42	1.83	2.52	1.94	8.38	11.54	95	4.49	A	A+	4.09	5.30	1814	1.10
	2.0+2.0+3.5	2.29	2.29	4.01	2.31	8.60	10.63	0.44	2.04	2.65	2.02	9.34	12.13	95	4.22	A	A+	4.13	5.30	1796	1.08
	2.0+2.0+4.2	2.10	2.10	4.40	2.31	8.60	10.63	0.44	2.02	2.65	2.02	9.25	12.13	95	4.26	A	A+	4.14	5.30	1789	1.07
	2.0+2.0+5.0	1.91	1.91	4.78	2.71	8.60	10.82	0.55	2.00	2.72	2.50	9.16	12.46	95	4.30	A	A+	4.22	5.30	1755	1.03
	2.0+2.0+6.0	1.72	1.72	5.16	2.93	8.60	10.95	0.55	1.99	2.46	2.50	9.11	11.24	95	4.32	A	A+	4.26	5.30	1739	1.01
	2.0+2.5+2.5	2.46	3.07	3.07	2.20	8.60	10.54	0.43	1.97	2.61	1.98	9.02	11.96	95	4.38	A	A+	4.10	5.30	1807	1.09
	2.0+2.5+3.5	2.15	2.69	3.76	2.40	8.60	10.63	0.46	2.02	2.65	2.11	9.25	12.13	95	4.27	A	A+	4.14	5.30	1789	1.07
	2.0+2.5+4.2	1.98	2.47	4.15	2.41	8.60	10.64	0.46	2.01	2.64	2.11	9.20	12.08	95	4.29	A	A+	4.16	5.30	1782	1.06
	2.0+2.5+5.0	1.81	2.26	4.53	2.81	8.60	11.06	0.56	1.98	2.75	2.58	9.07	12.59	95	4.34	A	A+	4.24	5.30	1748	1.02
	2.0+2.5+6.0	1.64	2.05	4.91	3.02	8.60	11.07	0.56	1.98	2.43	2.58	9.07	11.12	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+3.5+3.5	1.91	3.34	3.34	2.69	8.60	10.76	0.52	2.00	2.70	2.37	9.16	12.34	95	4.32	A	A+	4.18	5.30	1772	1.05
	2.0+3.5+4.2	1.77	3.10	3.72	2.69	8.60	10.76	0.52	1.99	2.69	2.37	9.11	12.29	95	4.33	A	A+	4.20	5.30	1765	1.04
	2.0+3.5+5.0	1.64	2.87	4.10	3.00	8.60	11.11	0.58	1.98	2.82	2.67	9.07	12.88	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+4.2+4.2	1.65	3.47	3.47	2.69	8.60	10.77	0.52	1.97	2.69	2.37	9.02	12.29	95	4.38	A	A+	4.32	5.30	1716	0.99
	2.5+2.5+2.5	2.87	2.87	2.87	2.31	8.60	10.65	0.45	1.99	2.64	2.06	9.11	12.08	95	4.32	A	A+	4.12	5.30	1800	1.08
	2.5+2.5+3.5	2.53	2.53	3.54	2.50	8.60	10.87	0.48	1.99	2.72	2.19	9.11	12.46	95	4.34	A	A+	4.16	5.30	1782	1.06
	2.5+2.5+4.2	2.34	2.34	3.93	2.50	8.60	10.88	0.48	1.97	2.72	2.19	9.02	12.46	95	4.37	A	A+	4.18	5.30	1775	1.05
	2.5+2.5+5.0	2.15	2.15	4.30	2.91	8.60	11.07	0.58	1.96	2.78	2.67	8.98	12.72	95	4.41	A	A+	4.26	5.30	1742	1.02
	2.5+2.5+6.0	1.95	1.95	4.69	3.12	8.60	11.08	0.58	1.94	2.43	2.67	8.88	11.12	95	4.45	A	A+	4.30	5.30	1726	1.00
	2.5+3.5+3.5	2.26	3.17	3.17	2.78	8.60	11.00	0.53	1.96	2.72	2.41	8.98	12.46	95	4.40	A	A+	4.20	5.30	1765	1.04
	2.5+3.5+4.2	2.11	2.95	3.54	2.79	8.60	11.01	0.53	1.96	2.71	2.41	8.98	12.42	95	4.41	A	A+	4.22	5.30	1758	1.04
	2.5+3.5+5.0	1.95	2.74	3.91	3.19	8.60	11.08	0.60	1.90	2.74	2.75	8.70	12.55	95	4.54	A	A+	4.30	5.30	1726	1.00
	2.5+4.2+4.2	1.97	3.31	3.31	2.79	8.60	11.01	0.53	1.95	2.71	2.41	8.93	12.42	95	4.42	A	A+	4.23	5.30	1752	1.03
	3.5+3.5+3.5	2.87	2.87	2.87	2.98	8.60	11.06	0.57	1.94	2.79	2.62	8.88	12.76	95	4.44	A	A+	4.24	5.30	1748	1.02

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM68N2V1B	1.5	1.60	---	---	---	1.57	1.60	2.49	0.40	0.42	0.59	1.82	1.98	2.71	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	1.65	2.00	2.68	0.42	0.43	0.60	1.91	2.08	2.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	1.74	2.50	3.44	0.44	0.44	0.82	2.00	2.62	3.77	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	1.93	3.50	4.86	0.46	0.46	1.43	2.09	3.84	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	---	1.93	4.20	5.33	0.46	0.46	1.44	2.09	3.93	6.57	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	---	1.94	5.00	6.03	0.44	0.44	2.13	2.00	7.20	9.77	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	---	1.94	6.00	6.51	0.44	0.44	2.13	2.00	7.29	9.77	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	---	1.95	3.00	4.79	0.40	0.51	1.15	1.81	2.34	5.25	95	5.96	A	255	A++	7.29	3.0	144
	1.5+2.0	1.50	2.00	---	---	1.95	3.50	4.96	0.40	0.62	1.22	1.81	2.84	5.58	95	5.66	A	310	A++	7.53	3.5	163
	1.5+2.5	1.50	2.50	---	---	1.95	4.00	5.28	0.40	0.75	1.36	1.81	3.44	6.23	95	5.36	A	375	A++	7.75	4.0	181
	1.5+3.5	1.50	3.50	---	---	1.95	5.00	6.17	0.39	1.04	1.83	1.77	4.76	8.39	95	4.81	A	520	A++	7.8	5.0	225
	1.5+4.2	1.50	4.20	---	---	1.95	5.70	6.39	0.39	1.27	1.96	1.77	5.82	8.96	95	4.51	A	635	A++	7.84	5.7	255
	1.5+5.0	1.50	---	5.00	---	1.95	6.50	7.08	0.38	1.50	2.23	1.73	6.87	10.22	95	4.36	A	750	A++	7.86	6.5	290
	1.5+6.0	1.36	---	5.44	---	1.96	6.80	7.59	0.37	1.62	2.36	1.68	7.42	10.79	95	4.21	A	810	A++	7.81	6.8	305
	2.0+2.0	2.00	2.00	---	---	1.95	4.00	5.12	0.40	0.75	1.29	1.81	3.44	5.91	95	5.36	A	375	A++	7.75	4.0	181
	2.0+2.5	2.00	2.50	---	---	1.95	4.50	5.44	0.40	0.89	1.43	1.81	4.08	6.56	95	5.06	A	445	A++	7.8	4.5	202
	2.0+3.5	2.00	3.50	---	---	1.95	5.50	6.30	0.39	1.17	1.91	1.77	5.36	8.76	95	4.71	A	585	A++	7.91	5.5	244
	2.0+4.2	2.00	4.20	---	---	1.95	6.20	6.51	0.39	1.43	2.05	1.77	6.55	9.37	95	4.36	A	715	A++	7.88	6.2	276
	2.0+5.0	1.94	---	4.86	---	1.95	6.80	7.26	0.38	1.59	2.36	1.73	7.28	10.79	95	4.28	A	795	A++	7.78	6.8	306
	2.0+6.0	1.70	---	5.10	---	1.96	6.80	7.71	0.37	1.61	2.45	1.68	7.37	11.20	95	4.23	A	805	A++	7.71	6.8	309
	2.5+2.5	2.50	2.50	---	---	1.95	5.00	6.10	0.41	1.01	1.78	1.89	4.63	8.15	95	4.96	A	505	A++	7.81	5.0	224
	2.5+3.5	2.50	3.50	---	---	1.95	6.00	6.57	0.40	1.29	2.11	1.81	5.91	9.65	95	4.66	A	645	A++	7.94	6.0	265
	2.5+4.2	2.50	4.20	---	---	1.95	6.70	6.95	0.40	1.51	2.38	1.81	6.92	10.88	95	4.46	A	755	A++	7.99	6.7	294
	2.5+5.0	2.27	---	4.53	---	1.95	6.80	7.37	0.37	1.50	2.45	1.68	6.87	11.20	95	4.56	A	750	A++	7.93	6.8	300
	2.5+6.0	2.00	---	4.80	---	1.96	6.80	7.71	0.35	1.48	2.45	1.60	6.78	11.20	95	4.61	A	740	A++	7.9	6.8	301
	3.5+3.5	3.40	3.40	---	---	1.95	6.80	7.13	0.38	1.45	2.37	1.73	6.64	10.83	95	4.7	A	725	A++	8.02	6.8	297
	3.5+4.2	3.09	3.71	---	---	1.95	6.80	7.24	0.38	1.45	2.46	1.73	6.64	11.24	95	4.72	A	725	A++	8	6.8	298
	3.5+5.0	2.80	---	4.00	---	1.95	6.80	7.76	0.35	1.42	2.78	1.60	6.50	12.71	95	4.82	A	710	A++	7.92	6.8	301
	3.5+6.0	2.51	---	4.29	---	2.26	6.80	8.07	0.40	1.40	2.72	1.81	6.41	12.46	95	4.87	A	700	A++	7.89	6.8	302
	4.2+4.2	3.40	3.40	---	---	1.95	6.80	7.14	0.38	1.44	2.37	1.73	6.60	10.83	95	4.74	A	720	A++	7.98	6.8	298
	4.2+5.0	3.10	---	3.70	---	1.95	6.80	7.77	0.35	1.41	2.78	1.60	6.46	12.71	95	4.84	A	705	A++	7.9	6.8	302
	4.2+6.0	2.80	---	4.00	---	2.26	6.80	8.08	0.40	1.40	2.72	1.81	6.41	12.46	95	4.89	A	700	A++	7.87	6.8	303
	5.0+5.0	---	---	3.40	3.40	2.34	6.80	8.22	0.43	1.38	2.98	1.98	6.32	13.65	95	4.94	A	690	A++	7.88	6.8	302
	5.0+6.0	---	---	3.09	3.71	2.47	6.80	8.45	0.44	1.37	2.92	2.02	6.28	13.36	95	4.99	A	685	A++	7.85	6.8	304
	1.5+1.5+1.5	1.50	1.50	1.50	---	1.96	4.50	6.40	0.39	0.61	1.57	1.77	2.80	7.17	95	7.46	A	305	A+++	8.54	4.5	185
	1.5+1.5+2.0	1.44	1.44	1.92	---	1.96	4.80	6.56	0.39	0.70	1.65	1.77	3.21	7.54	95	6.86	A	350	A+++	8.52	4.8	198
	1.5+1.5+2.5	1.36	1.36	2.27	---	1.96	5.00	6.72	0.39	0.80	1.73	1.77	3.67	7.90	95	6.26	A	400	A+++	8.5	5.0	206
	1.5+1.5+3.5	1.50	1.50	3.50	---	1.96	6.50	7.11	0.38	1.56	1.92	1.73	7.14	8.80	95	4.19	A	780	A++	7.85	6.5	290
	1.5+1.5+4.2	1.42	1.42	3.97	---	1.96	6.80	7.33	0.38	1.80	2.05	1.73	8.24	9.37	95	3.79	A	900	A++	7.71	6.8	309
	1.5+1.5+5.0	1.28	1.28	4.25	---	1.96	6.80	7.74	0.36	1.75	2.22	1.64	8.01	10.14	95	3.89	A	875	A++	7.64	6.8	312
	1.5+1.5+6.0	1.13	1.13	4.53	---	2.31	6.80	7.99	0.40	1.73	2.17	1.85	7.92	9.94	95	3.94	A	865	A++	7.62	6.8	313
	1.5+2.0+2.0	1.50	2.00	2.00	---	1.96	5.50	6.48	0.39	1.01	1.61	1.77	4.63	7.37	95	5.46	A	505	A++	8.17	5.5	236
	1.5+2.0+2.5	1.50	2.00	2.50	---	1.96	6.00	6.87	0.39	1.32	1.81	1.77	6.05	8.27	95	4.56	A	660	A++	7.9	6.0	266
	1.5+2.0+3.5	1.46	1.94	3.40	---	1.96	6.80	7.25	0.38	1.80	2.01	1.73	8.24	9.21	95	3.79	A	900	A++	7.71	6.8	309
	1.5+2.0+4.2	1.32	1.77	3.71	---	1.96	6.80	7.47	0.38	1.79	2.14	1.73	8.20	9.78	95	3.81	A	895	A++	7.69	6.8	310
	1.5+2.0+5.0	1.20	1.60	4.00	---	1.96	6.80	7.87	0.36	1.74	2.31	1.64	7.97	10.55	95	3.91	A	870	A++	7.63	6.8	312
	1.5+2.0+6.0	1.07	1.43	4.29	---	2.31	6.80	8.13	0.40	1.72	2.26	1.85	7.88	10.35	95	3.96	A	860	A++	7.6	6.8	313
	1.5+2.5+2.5	1.50	2.50	2.50	---	1.96	6.50	7.10	0.38	1.63	1.92	1.73	7.46	8.80	95	4.01	A	815	A++	7.76	6.5	294
	1.5+2.5+3.5	1.36	2.27	3.17	---	1.96	6.80	7.60	0.36	1.79	2.23	1.64	8.20	10.18	95	3.81	A	895	A++	7.69	6.8	310
	1.5+2.5+4.2	1.24	2.07	3.48	---	1.96	6.80	7.81	0.36	1.78	2.35	1.64	8.15	10.75	95	3.83	A	890	A++	7.67	6.8	310
	1.5+2.5+5.0	1.13	1.89	3.78	---	1.96	6.80	7.95	0.36	1.74	2.35	1.64	7.97	10.75	95	3.93	A	870	A++	7.61	6.8	313
	1.5+2.5+6.0	1.02	1.70	4.08	---	2.31	6.80	8.42	0.41	1.71	2.44	1.89	7.83	11.16	95	3.98	A	855	A++	7.59	6.8	314
	1.5+3.5+3.5	1.20	2.80	2.80	---	1.96	6.80	7.94	0.37	1.77	2.45	1.68	8.11	11.20	95	3.85	A	885	A++	7.67	6.8	311
	1.5+3.5+4.2	1.11	2.59	3.10	---	1.96	6.80	8.13	0.37	1.76	2.58	1.68	8.06	11.81	95	3.87	A	880	A++	7.65	6.8	311
	1.5+3.5+5.0	1.02	2.38	3.40	---	1.96	6.80	8.46	0.33	1.72	2.72	1.52	7.88	12.46	95	3.97	A	860	A++	7.58	6.8	314
	1.5+3.5+6.0	0.93	2.16	3.71	---	2.31	6.80	8.56	0.41	1.70	2.53	1.89	7.79	11.57	95	4.02	A	850	A++	7.56	6.8	315
	1.5+4.2+4.2	1.03	2.88	2.88	---	1.96	6.80	8.26	0.37	1.75	2.68	1.68	8.01	12.26	95	3.89	A	875	A++	7.63	6.8	312
	1.5+4.2+5.0	0.95	2.67	3.18	---	1.96	6.80	8.53	0.33	1.71	2.77	1.52	7.83	12.67	95	3.99	A	855	A++	7.56	6.8	315
	2.0+2.0+2.0	2.00	2.00	2.00	---	1.96	6.00	6.64	0.39	1.34	1.68	1.77	6.14	7.70	95	4.51	A	670	A++	7.84	6.0	268
	2.0+2.0+2.5	2.00	2.00	2.50	---	1.96	6.50	7.03	0.39	1.63	1.89	1.77	7.46	8.64	95	4.01	A	815	A++	7.76	6.5	294
	2.0+2.0+3.5	1.81	1.81	3.17	---	1.96	6.80	7.40	0.38	1.79	2.09	1.73	8.20	9.57	95	3.81	A	895	A++	7.69	6.8	310
	2.0+2.0+4.2	1.66	1.66	3.48	---	1.96	6.80	7.61	0.38	1.78	2.23	1.73	8.15	10.18	95	3.83	A	890	A++	7.67	6.8	310
	2.0+2.0+5.0	1.51	1.51	3.78	---	1.96	6.80	8.01	0.36	1.74	2.39	1.64	7.97	10.96	95	3.93	A	870	A++	7.61	6.8	313
	2.0+2.0+6.0	1.36	1.36	4.08	---	2.31	6.80	8.27	0.40	1.71	2.35	1.85	7.83	10.75	95	3.98	A	855	A++	7.59	6.8	314
	2.0+2.5+2.5	1.94	2.43	2.43	---	1.96	6.80	7.24	0.38	1.77	2.01	1.73	8.11	9.21	95	3.85	A	885	A++	7.71	6.8	309

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM68N2V1B	2.0+2.5+3.5	1.70	2.13	2.98	---	1.96	6.80	7.74	0.36	1.76	2.31	1.64	8.06	10.55	95	3.87	A	880	A++	7.69	6.8	310
	2.0+2.5+4.2	1.56	1.95	3.28	---	1.96	6.80	7.94	0.36	1.75	2.45	1.64	8.01	11.20	95	3.89	A	875	A++	7.68	6.8	310
	2.0+2.5+5.0	1.43	1.79	3.58	---	1.96	6.80	8.08	0.36	1.71	2.44	1.64	7.83	11.16	95	3.99	A	855	A++	7.61	6.8	313
	2.0+2.5+6.0	1.30	1.62	3.89	---	2.31	6.80	8.55	0.41	1.69	2.53	1.89	7.74	11.57	95	4.04	A	845	A++	7.58	6.8	314
	2.0+3.5+3.5	1.51	2.64	2.64	---	1.96	6.80	8.07	0.37	1.74	2.54	1.68	7.97	11.61	95	3.91	A	870	A++	7.67	6.8	311
	2.0+3.5+4.2	1.40	2.45	2.94	---	1.96	6.80	8.25	0.37	1.74	2.68	1.68	7.97	12.26	95	3.93	A	870	A++	7.65	6.8	311
	2.0+3.5+5.0	1.30	2.27	3.24	---	2.28	6.80	8.58	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.8	314
	2.0+4.2+4.2	1.31	2.75	2.75	---	1.96	6.80	8.37	0.37	1.73	2.77	1.68	7.92	12.67	95	3.95	A	865	A++	7.63	6.8	312
	2.5+2.5+2.5	2.27	2.27	2.27	---	1.96	6.80	7.53	0.38	1.76	2.18	1.73	8.06	9.98	95	3.87	A	880	A++	7.7	6.8	310
	2.5+2.5+3.5	2.00	2.00	2.80	---	1.96	6.80	7.94	0.36	1.72	2.45	1.64	7.88	11.20	95	3.97	A	860	A++	7.62	6.8	313
	2.5+2.5+4.2	1.85	1.85	3.10	---	1.96	6.80	8.12	0.36	1.71	2.58	1.64	7.83	11.81	95	3.99	A	855	A++	7.6	6.8	313
	2.5+2.5+5.0	1.70	1.70	3.40	---	2.28	6.80	8.45	0.40	1.67	2.72	1.85	7.65	12.46	95	4.09	A	835	A++	7.53	6.8	316
	2.5+2.5+6.0	1.55	1.55	3.71	---	2.42	6.80	8.74	0.40	1.65	2.67	1.85	7.56	12.22	95	4.14	A	825	A++	7.51	6.8	317
	2.5+3.5+3.5	1.79	2.51	2.51	---	2.27	6.80	8.30	0.40	1.70	2.72	1.85	7.79	12.46	95	4.01	A	850	A++	7.59	6.8	314
	2.5+3.5+4.2	1.67	2.33	2.80	---	2.27	6.80	8.43	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.8	314
	2.5+3.5+5.0	1.55	2.16	3.09	---	2.48	6.80	8.74	0.42	1.65	2.96	1.94	7.56	13.56	95	4.13	A	825	A++	7.5	6.8	317
	2.5+4.2+4.2	1.56	2.62	2.62	---	2.27	6.80	8.49	0.40	1.68	2.87	1.85	7.69	13.12	95	4.05	A	840	A++	7.56	6.8	315
	3.5+3.5+3.5	2.27	2.27	2.27	---	2.38	6.80	8.59	0.40	1.68	2.96	1.81	7.69	13.56	95	4.05	A	840	A++	7.57	6.8	315
	1.5+1.5+1.5+1.5	1.65	1.65	1.65	1.65	1.97	6.60	7.09	0.38	1.38	1.63	1.73	6.32	7.45	95	4.79	A	690	A+++	8.54	6.6	271
	1.5+1.5+1.5+2.0	1.52	1.52	1.52	2.03	1.97	6.60	7.27	0.38	1.37	1.70	1.73	6.28	7.78	95	4.85	A	685	A+++	8.52	6.6	271
	1.5+1.5+1.5+2.5	1.41	1.41	1.41	2.36	1.97	6.60	7.45	0.36	1.35	1.78	1.64	6.18	8.15	95	4.91	A	675	A+++	8.5	6.6	272
	1.5+1.5+1.5+3.5	1.28	1.28	1.28	2.98	1.97	6.80	7.87	0.37	1.58	1.99	1.68	7.24	9.12	95	4.31	A	790	A++	8.03	6.8	297
	1.5+1.5+1.5+4.2	1.17	1.17	1.17	3.28	1.97	6.80	8.04	0.37	1.58	2.07	1.68	7.24	9.49	95	4.33	A	790	A++	8.01	6.8	297
	1.5+1.5+1.5+5.0	1.07	1.07	1.07	3.58	2.45	6.80	8.48	0.42	1.54	2.32	1.94	7.05	10.63	95	4.43	A	770	A++	7.94	6.8	300
	1.5+1.5+1.5+6.0	0.97	0.97	0.97	3.89	2.48	6.80	8.38	0.40	1.52	2.08	1.81	6.96	9.53	95	4.48	A	760	A++	7.91	6.8	301
	1.5+1.5+2.0+2.0	1.46	1.46	1.94	1.94	1.97	6.80	7.45	0.38	1.60	1.78	1.73	7.33	8.15	95	4.27	A	800	A++	8.06	6.8	296
	1.5+1.5+2.0+2.5	1.36	1.36	1.81	2.27	1.97	6.80	7.62	0.36	1.58	1.87	1.64	7.24	8.55	95	4.31	A	790	A++	8.05	6.8	296
	1.5+1.5+2.0+3.5	1.20	1.20	1.60	2.80	1.97	6.80	8.03	0.37	1.57	2.07	1.68	7.19	9.49	95	4.35	A	785	A++	8.02	6.8	297
	1.5+1.5+2.0+4.2	1.11	1.11	1.48	3.10	1.97	6.80	8.19	0.37	1.56	2.16	1.68	7.14	9.90	95	4.37	A	780	A++	8.01	6.8	298
	1.5+1.5+2.0+5.0	1.02	1.02	1.36	3.40	2.45	6.80	8.63	0.42	1.53	2.41	1.94	7.01	11.04	95	4.47	A	765	A++	7.93	6.8	301
	1.5+1.5+2.0+6.0	0.93	0.93	1.24	3.71	2.48	6.80	8.56	0.40	1.51	2.18	1.81	6.92	9.98	95	4.52	A	755	A++	7.9	6.8	302
	1.5+1.5+2.5+2.5	1.28	1.28	2.13	2.13	1.97	6.80	7.70	0.36	1.58	1.90	1.64	7.24	8.72	95	4.33	A	790	A++	8.03	6.8	297
	1.5+1.5+2.5+3.5	1.13	1.13	1.89	2.64	2.32	6.80	8.11	0.46	1.56	2.12	2.11	7.14	9.69	95	4.37	A	780	A++	8.01	6.8	298
	1.5+1.5+2.5+4.2	1.05	1.05	1.75	2.94	2.32	6.80	8.27	0.46	1.55	2.21	2.11	7.10	10.10	95	4.39	A	775	A++	7.99	6.8	298
	1.5+1.5+2.5+5.0	0.97	0.97	1.62	3.24	2.45	6.80	8.70	0.42	1.52	2.46	1.94	6.96	11.24	95	4.49	A	760	A++	7.91	6.8	301
	1.5+1.5+3.5+3.5	1.02	1.02	2.38	2.38	2.32	6.80	8.57	0.46	1.55	2.39	2.11	7.10	10.92	95	4.41	A	775	A++	7.98	6.8	299
	1.5+1.5+3.5+4.2	0.95	0.95	2.22	2.67	2.44	6.80	8.65	0.50	1.54	2.44	2.27	7.05	11.16	95	4.43	A	770	A++	7.96	6.8	299
	1.5+2.0+2.0+2.0	1.36	1.81	1.81	1.81	1.97	6.80	7.61	0.38	1.59	1.87	1.73	7.28	8.55	95	4.29	A	795	A++	8.04	6.8	296
	1.5+2.0+2.0+2.5	1.28	1.70	1.70	2.13	1.97	6.80	7.78	0.36	1.58	1.95	1.64	7.24	8.92	95	4.31	A	790	A++	8.02	6.8	297
	1.5+2.0+2.0+3.5	1.13	1.51	1.51	2.64	2.32	6.80	8.18	0.46	1.57	2.16	2.11	7.19	9.90	95	4.35	A	785	A++	8	6.8	298
	1.5+2.0+2.0+4.2	1.05	1.40	1.40	2.94	2.32	6.80	8.34	0.46	1.56	2.25	2.11	7.14	10.31	95	4.37	A	780	A++	7.98	6.8	299
	1.5+2.0+2.0+5.0	0.97	1.30	1.30	3.24	2.45	6.80	8.77	0.42	1.53	2.51	1.94	7.01	11.49	95	4.47	A	765	A++	7.9	6.8	302
	1.5+2.0+2.5+2.5	1.20	1.60	2.00	2.00	1.97	6.80	7.86	0.36	1.58	1.99	1.64	7.24	9.12	95	4.33	A	790	A++	8.01	6.8	298
	1.5+2.0+2.5+3.5	1.07	1.43	1.79	2.51	2.32	6.80	8.26	0.46	1.56	2.21	2.11	7.14	10.10	95	4.37	A	780	A++	7.98	6.8	299
	1.5+2.0+2.5+4.2	1.00	1.33	1.67	2.80	2.32	6.80	8.43	0.46	1.55	2.30	2.11	7.10	10.51	95	4.39	A	775	A++	7.96	6.8	299
	1.5+2.0+2.5+5.0	0.93	1.24	1.55	3.09	2.45	6.80	8.85	0.42	1.52	2.55	1.94	6.96	11.69	95	4.49	A	760	A++	7.88	6.8	302
	1.5+2.0+3.5+3.5	0.97	1.30	2.27	2.27	1.98	6.80	8.64	0.37	1.55	2.44	1.68	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	1.5+2.5+2.5+2.5	1.13	1.89	1.89	1.89	1.97	6.80	8.18	0.33	1.57	2.16	1.52	7.19	9.90	95	4.35	A	785	A++	7.99	6.8	298
	1.5+2.5+2.5+3.5	1.02	1.70	1.70	2.38	2.32	6.80	8.49	0.40	1.55	2.34	1.81	7.10	10.71	95	4.39	A	775	A++	7.96	6.8	299
	1.5+2.5+2.5+4.2	0.95	1.59	1.59	2.67	2.32	6.80	8.50	0.41	1.55	2.34	1.89	7.10	10.71	95	4.41	A	775	A++	7.94	6.8	300
	1.5+2.5+3.5+3.5	0.93	1.55	2.16	2.16	2.32	6.80	8.71	0.40	1.54	2.48	1.81	7.05	11.36	95	4.43	A	770	A++	7.93	6.8	300
	2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.97	6.80	7.78	0.38	1.58	1.95	1.73	7.24	8.92	95	4.31	A	790	A++	8.03	6.8	297
	2.0+2.0+2.0+2.5	1.60	1.60	1.60	2.00	1.97	6.80	7.95	0.36	1.58	2.04	1.64	7.24	9.33	95	4.33	A	790	A++	8.01	6.8	297
	2.0+2.0+2.0+3.5	1.43	1.43	1.43	2.51	1.97	6.80	8.33	0.37	1.56	2.25	1.68	7.14	10.31	95	4.37	A	780	A++	7.98	6.8	298
	2.0+2.0+2.0+4.2	1.33	1.33	1.33	2.80	1.97	6.80	8.49	0.37	1.55	2.34	1.68	7.10	10.71	95	4.39	A	775	A++	7.97	6.8	299
	2.0+2.0+2.0+5.0	1.24	1.24	1.24	3.09	2.45	6.80	8.91	0.42	1.52	2.61	1.94	6.96	11.93	95	4.49	A	760	A++	7.88	6.8	302
	2.0+2.0+2.5+2.5	1.51	1.51	1.89	1.89	1.97	6.80	8.10	0.37	1.57	2.12	1.68	7.19	9.69	95	4.35	A	785	A++	7.99	6.8	298
	2.0+2.0+2.5+3.5	1.36	1.36	1.70	2.38	2.32	6.80	8.49	0.41	1.55	2.34	1.89	7.10	10.71	95	4.39	A	775	A++	7.97	6.8	299
	2.0+2.0+2.5+4.2	1.27	1.27	1.59	2.67	2.32	6.80	8.64	0.41	1.55	2.44	1.89	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	2.0+2.0+3.5+3.5	1.24	1.24	2.16	2.16	2.44	6.80	8.78	0.41	1.55	2.53	1.89	7.10	11.57	95	4.41	A	775	A++	7.95	6.8	300
	2.0+2.5+2.5+2.5	1.43	1.79	1.79	1.79	1.97	6.80	8.33	0.37	1.56	2.25	1.68	7.14	10.31	95	4.37	A	780	A++	7.97	6.8	299
	2.0+2.5+2.5+3.5	1.30	1.62	1.62	2.27	2.32	6.80	8.63	0.41	1.55	2.44	1.89	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	2.5+2.5+2.5+2.5	1.70	1.70	1.70	1.70	2.32	6.80	8.56	0.42	1.55	2.39	1.94	7.10	10.92	95	4.39	A	775	A++	7.96	6.8	299
	2.5+2.5+2.5+3.5	1.55	1.55	1.55	2.16	2.44	6.80	8.90	0.42	1.54	2.63	1.94	7.05	12.02	95	4.43	A	770	A++	7.93	6.8	300

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM68N2V1B	1.5	2.70	---	---	---	1.47	2.70	4.08	0.42	0.73	1.22	1.91	3.35	5.58	95	---	---	---	---	---	---	---
	2.0	2.72	---	---	---	1.48	2.72	4.09	0.43	0.74	1.28	1.95	3.39	5.86	95	---	---	---	---	---	---	---
	2.5	3.40	---	---	---	1.44	3.40	4.30	0.42	1.03	1.37	1.91	4.72	6.27	95	---	---	---	---	---	---	---
	3.5	4.30	---	---	---	1.45	4.30	4.90	0.40	1.42	1.75	1.82	6.50	8.01	95	---	---	---	---	---	---	---
	4.2	---	---	4.32	---	1.44	4.32	5.70	0.40	1.41	2.04	1.82	6.46	9.34	95	---	---	---	---	---	---	---
	5.0	---	---	5.60	---	1.66	5.60	6.90	0.39	1.84	2.59	1.78	8.43	11.85	95	---	---	---	---	---	---	---
	6.0	---	---	7.90	---	1.88	7.90	8.91	0.37	2.65	2.64	1.69	12.13	12.08	95	---	---	---	---	---	---	---
	1.5+1.5	2.65	2.65	---	---	1.65	5.30	7.38	0.36	1.19	1.83	1.63	5.45	8.38	95	4.45	A	A	3.85	3.80	1380	0.73
	1.5+2.0	2.44	3.26	---	---	1.65	5.70	7.76	0.36	1.31	1.99	1.63	6.00	9.09	95	4.35	A	A	3.85	3.80	1380	0.72
	1.5+2.5	2.29	3.81	---	---	1.65	6.10	7.95	0.36	1.43	2.06	1.63	6.55	9.43	95	4.27	A	A	3.87	3.80	1373	0.71
	1.5+3.5	2.07	4.83	---	---	1.80	6.90	8.50	0.37	1.69	2.35	1.68	7.74	10.74	95	4.10	A	A	3.86	4.30	1558	0.92
	1.5+4.2	1.97	---	5.53	---	1.80	7.50	8.85	0.37	1.90	2.57	1.68	8.70	11.75	95	3.97	A	A	3.88	4.30	1548	0.91
	1.5+5.0	1.89	---	6.31	---	2.18	8.20	10.38	0.45	2.13	2.91	2.06	9.75	13.31	95	3.86	A	A	3.87	4.50	1628	0.96
	1.5+6.0	1.72	---	6.88	---	2.46	8.60	10.58	0.48	2.28	2.67	2.19	10.44	12.21	95	3.78	A	A	3.91	4.80	1717	1.07
	2.0+2.0	3.25	3.25	---	---	1.65	6.50	7.95	0.36	1.37	2.31	1.63	6.28	10.57	95	4.75	A	A	3.91	3.80	1361	0.71
	2.0+2.5	3.07	3.83	---	---	1.65	6.90	8.12	0.36	1.52	2.32	1.63	6.96	10.62	95	4.56	A	A	3.92	3.80	1354	0.71
	2.0+3.5	2.73	4.77	---	---	1.80	7.50	8.67	0.37	1.75	2.43	1.68	8.01	11.12	95	4.30	A	A	3.86	4.30	1558	0.91
	2.0+4.2	2.58	---	5.42	---	1.80	8.00	9.03	0.37	1.98	2.66	1.68	9.07	12.17	95	4.06	A	A	3.88	4.30	1550	0.9
	2.0+5.0	2.46	---	6.14	---	2.18	8.60	10.56	0.45	2.26	3.00	2.06	10.35	13.73	95	3.82	A	A	3.90	4.50	1612	0.96
	2.0+6.0	2.15	---	6.45	---	2.46	8.60	10.75	0.48	2.24	2.74	2.19	10.26	12.55	95	3.84	A	A	3.93	4.80	1710	1.07
	2.5+2.5	3.60	3.60	---	---	1.65	7.20	8.49	0.36	1.62	2.36	1.63	7.42	10.78	95	4.46	A	A	3.85	4.00	1455	0.79
	2.5+3.5	3.29	4.61	---	---	1.89	7.90	9.03	0.38	1.91	2.66	1.72	8.75	12.17	95	4.14	A	A	3.83	4.30	1569	0.9
	2.5+4.2	3.10	---	5.20	---	1.89	8.30	9.29	0.38	2.11	2.82	1.72	9.66	12.93	95	3.95	A	A	3.86	4.30	1559	0.9
	2.5+5.0	2.87	---	5.73	---	2.27	8.60	10.68	0.46	2.24	3.09	2.11	10.26	14.15	95	3.86	A	A	3.84	4.50	1637	0.91
	2.5+6.0	2.53	---	6.07	---	2.55	8.60	10.88	0.50	2.22	2.77	2.28	10.17	12.67	95	3.88	A	A	3.91	4.80	1716	1
	3.5+3.5	4.30	4.30	---	---	2.17	8.60	9.38	0.42	2.26	2.86	1.94	10.35	13.09	95	3.81	A	A+	4.00	4.80	1680	1.07
	3.5+4.2	3.91	---	4.69	---	2.17	8.60	9.47	0.42	2.26	2.91	1.94	10.35	13.31	95	3.82	A	A+	4.01	4.80	1675	1.06
	3.5+5.0	3.54	---	5.06	---	2.56	8.60	10.90	0.51	2.22	3.13	2.32	10.17	14.32	95	3.88	A	A+	4.01	4.80	1675	1.03
	3.5+6.0	3.17	---	5.43	---	2.74	8.60	11.01	0.52	2.21	2.76	2.37	10.12	12.63	95	3.91	A	A+	4.06	4.80	1652	1.01
	4.2+4.2	---	---	4.30	4.30	2.17	8.60	9.56	0.42	2.22	2.94	1.94	10.17	13.47	95	3.88	A	A+	4.00	4.80	1679	1.04
	4.2+5.0	---	---	3.93	4.67	2.56	8.60	10.91	0.51	2.21	3.19	2.32	10.12	14.61	95	3.90	A	A	3.93	5.20	1851	1.2
	4.2+6.0	---	---	3.54	5.06	2.74	8.60	11.02	0.51	2.20	2.79	2.32	10.07	12.76	95	3.92	A	A+	4.03	5.20	1804	1.18
	5.0+5.0	---	---	4.30	4.30	2.94	8.60	11.10	0.59	2.17	3.11	2.71	9.94	14.23	95	3.98	A	A+	4.06	5.20	1793	1.15
	5.0+6.0	---	---	3.91	4.69	3.14	8.60	11.10	0.60	2.15	2.72	2.75	9.84	12.46	95	4.01	A	A+	4.09	5.20	1779	1.13
	1.5+1.5+1.5	2.17	2.17	2.17	---	2.01	6.50	9.92	0.41	1.33	2.26	1.89	6.09	10.36	95	4.91	A	A+	4.07	5.30	1822	1.11
	1.5+1.5+2.0	2.07	2.07	2.76	---	2.01	6.90	10.10	0.41	1.46	2.34	1.89	6.69	10.69	95	4.74	A	A+	4.08	5.30	1817	1.1
	1.5+1.5+2.5	2.02	2.02	3.36	---	2.10	7.40	10.18	0.42	1.64	2.37	1.94	7.51	10.86	95	4.53	A	A+	4.09	5.30	1810	1.09
	1.5+1.5+3.5	1.89	1.89	4.42	---	2.31	8.20	10.29	0.44	1.87	2.49	2.02	8.56	11.41	95	4.39	A	A+	4.14	5.30	1793	1.07
	1.5+1.5+4.2	1.79	1.79	5.02	---	2.31	8.60	10.29	0.44	2.03	2.49	2.02	9.30	11.41	95	4.25	A	A+	4.15	5.30	1786	1.07
	1.5+1.5+5.0	1.61	1.61	5.38	---	2.71	8.60	10.46	0.55	2.01	2.57	2.50	9.20	11.75	95	4.29	A	A+	4.23	5.30	1752	1.03
	1.5+1.5+6.0	1.43	1.43	5.73	---	2.93	8.60	10.59	0.55	1.99	2.31	2.50	9.11	10.57	95	4.33	A	A+	4.27	5.30	1735	1.01
	1.5+2.0+2.0	2.35	3.13	3.13	---	2.01	8.60	10.26	0.41	2.05	2.41	1.89	9.39	11.03	95	4.21	A	A+	4.09	5.30	1814	1.1
	1.5+2.0+2.5	2.15	2.87	3.58	---	2.10	8.60	10.36	0.42	2.04	2.44	1.94	9.34	11.16	95	4.23	A	A+	4.10	5.30	1807	1.09
	1.5+2.0+3.5	1.84	2.46	4.30	---	2.31	8.60	10.45	0.44	2.02	2.58	2.02	9.25	11.79	95	4.26	A	A+	4.14	5.30	1793	1.07
	1.5+2.0+4.2	1.68	2.23	4.69	---	2.31	8.60	10.46	0.44	2.01	2.57	2.02	9.20	11.75	95	4.28	A	A+	4.15	5.30	1786	1.07
	1.5+2.0+5.0	1.52	2.02	5.06	---	2.71	8.60	10.88	0.55	2.00	2.64	2.50	9.16	12.08	95	4.32	A	A+	4.23	5.30	1752	1.03
	1.5+2.0+6.0	1.36	1.81	5.43	---	2.93	8.60	10.89	0.55	1.98	2.38	2.50	9.07	10.91	95	4.36	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+2.5	1.98	3.31	3.31	---	2.20	8.60	10.47	0.45	2.03	2.44	2.06	9.30	11.16	95	4.25	A	A+	4.12	5.30	1800	1.08
	1.5+2.5+3.5	1.72	2.87	4.01	---	2.40	8.60	10.58	0.47	2.02	2.57	2.15	9.25	11.75	95	4.27	A	A+	4.16	5.30	1782	1.06
	1.5+2.5+4.2	1.57	2.62	4.40	---	2.41	8.60	10.58	0.47	2.00	2.57	2.15	9.16	11.75	95	4.30	A	A+	4.19	5.30	1768	1.05
	1.5+2.5+5.0	1.43	2.39	4.78	---	2.81	8.60	11.00	0.56	1.99	2.64	2.58	9.11	12.08	95	4.34	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+6.0	1.29	2.15	5.16	---	3.02	8.60	11.00	0.57	1.97	2.38	2.62	9.02	10.91	95	4.38	A	A+	4.31	5.30	1719	0.99
	1.5+3.5+3.5	1.52	3.54	3.54	---	2.69	8.60	10.59	0.55	1.99	2.57	2.50	9.11	11.75	95	4.33	A	A+	4.20	5.30	1765	1.04
	1.5+3.5+4.2	1.40	3.27	3.93	---	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	11.71	95	4.35	A	A+	4.22	5.30	1755	1.03
	1.5+3.5+5.0	1.29	3.01	4.30	---	3.00	8.60	10.93	0.62	1.97	2.59	2.84	9.02	11.87	95	4.38	A	A+	4.30	5.30	1722	0.99
	1.5+3.5+6.0	1.17	2.74	4.69	---	2.93	8.60	10.93	0.55	1.96	2.37	2.50	8.98	10.86	95	4.40	A	A+	4.34	5.30	1707	0.98
	1.5+4.2+4.2	1.30	---	3.65	3.65	2.69	8.60	10.68	0.55	1.98	2.59	2.50	9.07	11.87	95	4.35	A	A+	4.24	5.30	1748	1.02
	1.5+4.2+5.0	1.21	---	3.38	4.02	3.00	8.60	10.99	0.62	1.96	2.67	2.84	8.98	12.21	95	4.39	A	A+	4.32	5.30	1716	0.99
	2.0+2.0+2.0	2.60	2.60	2.60	---	2.01	7.80	10.44	0.41	1.72	2.48	1.89	7.88	11.37	95	4.56	A	A+	4.07	5.30	1821	1.1
	2.0+2.0+2.5	2.52	2.52	3.15	---	2.10	8.20	10.52	0.42	1.83	2.52	1.94	8.38	11.54	95	4.49	A	A+	4.09	5.30	1814	1.1
	2.0+2.0+3.5	2.29	2.29	4.01	---	2.31	8.60	10.63	0.44	2.04	2.65	2.02	9.34	12.13	95	4.22	A	A+	4.13	5.30	1796	1.08
	2.0+2.0+4.2	2.10	2.10	4.40	---	2.31	8.60	10.63	0.44	2.02	2.65	2.02	9.25	12.13	95	4.26	A	A+	4.14	5.30	1789	1.07
	2.0+2.0+5.0	1.91	1.91	4.78	---	2.71	8.60	10.82	0.55	2.00	2.72	2.50	9.16	12.46	95	4.30	A	A+	4.22	5.30	1755	1.03
	2.0+2.0+6.0	1.72	1.72	5.16	---	2.93	8.60	10.95	0.55	1.99	2.46	2.50	9.11	11.24	95	4.32	A	A+	4.26	5.30	1739	1.01
	2.0+2.5+2.5	2.46	3.07	3.07	---	2.20	8.60	10.54	0.43	1.97	2.61	1.98	9.02	11.96	95	4.38	A	A+	4.10	5.30	1807	1.09

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM68N2V1B	2.0+2.5+3.5	2.15	2.69	3.76	---	2.40	8.60	10.63	0.46	2.02	2.65	2.11	9.25	12.13	95	4.27	A	A+	4.14	5.30	1789	1.07
	2.0+2.5+4.2	1.98	2.47	4.15	---	2.41	8.60	10.64	0.46	2.01	2.64	2.11	9.20	12.08	95	4.29	A	A+	4.16	5.30	1782	1.06
	2.0+2.5+5.0	1.81	2.26	4.53	---	2.81	8.60	11.06	0.56	1.98	2.75	2.58	9.07	12.59	95	4.34	A	A+	4.24	5.30	1748	1.02
	2.0+2.5+6.0	1.64	2.05	4.91	---	3.02	8.60	11.07	0.56	1.98	2.43	2.58	9.07	11.12	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+3.5+3.5	1.91	3.34	3.34	---	2.69	8.60	10.76	0.52	2.00	2.70	2.37	9.16	12.34	95	4.32	A	A+	4.18	5.30	1772	1.05
	2.0+3.5+4.2	1.77	3.10	3.72	---	2.69	8.60	10.76	0.52	1.99	2.69	2.37	9.11	12.29	95	4.33	A	A+	4.20	5.30	1765	1.04
	2.0+3.5+5.0	1.64	2.87	4.10	---	3.00	8.60	11.11	0.58	1.98	2.82	2.67	9.07	12.88	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+4.2+4.2	1.65	---	3.47	3.47	2.69	8.60	10.77	0.52	1.97	2.69	2.37	9.02	12.29	95	4.38	A	A+	4.32	5.30	1716	0.99
	2.5+2.5+2.5	2.87	2.87	2.87	---	2.31	8.60	10.65	0.45	1.99	2.64	2.06	9.11	12.08	95	4.32	A	A+	4.12	5.30	1800	1.08
	2.5+2.5+3.5	2.53	2.53	3.54	---	2.50	8.60	10.87	0.48	1.99	2.72	2.19	9.11	12.46	95	4.34	A	A+	4.16	5.30	1782	1.06
	2.5+2.5+4.2	2.34	2.34	3.93	---	2.50	8.60	10.88	0.48	1.97	2.72	2.19	9.02	12.46	95	4.37	A	A+	4.18	5.30	1775	1.05
	2.5+2.5+5.0	2.15	2.15	4.30	---	2.91	8.60	11.07	0.58	1.96	2.78	2.67	8.98	12.72	95	4.41	A	A+	4.26	5.30	1742	1.02
	2.5+2.5+6.0	1.95	1.95	4.69	---	3.12	8.60	11.08	0.58	1.94	2.43	2.67	8.88	11.12	95	4.45	A	A+	4.30	5.30	1726	1
	2.5+3.5+3.5	2.26	3.17	3.17	---	2.78	8.60	11.00	0.53	1.96	2.72	2.41	8.98	12.46	95	4.40	A	A+	4.20	5.30	1765	1.04
	2.5+3.5+4.2	2.11	2.95	3.54	---	2.79	8.60	11.01	0.53	1.96	2.71	2.41	8.98	12.42	95	4.41	A	A+	4.22	5.30	1758	1.04
	2.5+3.5+5.0	1.95	2.74	3.91	---	3.19	8.60	11.08	0.60	1.90	2.74	2.75	8.70	12.55	95	4.54	A	A+	4.30	5.30	1726	1
	2.5+4.2+4.2	1.97	---	3.31	3.31	2.79	8.60	11.01	0.53	1.95	2.71	2.41	8.93	12.42	95	4.42	A	A+	4.23	5.30	1752	1.03
	3.5+3.5+3.5	2.87	2.87	2.87	---	2.98	8.60	11.06	0.57	1.94	2.79	2.62	8.88	12.76	95	4.44	A	A+	4.24	5.30	1748	1.02
	1.5+1.5+1.5+1.5	1.95	1.95	1.95	1.95	2.47	7.80	10.07	0.49	1.62	2.12	2.24	7.42	9.68	95	4.82	A	A+	4.18	5.80	1942	1.15
	1.5+1.5+1.5+2.0	1.89	1.89	1.89	2.52	2.47	8.20	10.25	0.49	1.77	2.19	2.24	8.11	10.02	95	4.65	A	A+	4.19	5.80	1937	1.15
	1.5+1.5+1.5+2.5	1.84	1.84	1.84	3.07	2.57	8.60	10.36	0.50	1.88	2.20	2.28	8.61	10.07	95	4.59	A	A+	4.19	5.80	1934	1.14
	1.5+1.5+1.5+3.5	1.61	1.61	1.61	3.76	2.77	8.60	10.46	0.54	1.84	2.21	2.45	8.43	10.11	95	4.68	A	A+	4.24	5.80	1915	1.13
	1.5+1.5+1.5+4.2	1.48	1.48	1.48	4.15	2.78	8.60	10.46	0.53	1.84	2.20	2.41	8.43	10.06	95	4.70	A	A+	4.27	5.80	1901	1.12
	1.5+1.5+1.5+5.0	1.36	1.36	1.36	4.53	3.10	8.60	10.52	0.59	1.83	2.13	2.71	8.38	9.73	95	4.71	A	A+	4.28	5.80	1896	1.08
	1.5+1.5+1.5+6.0	1.23	1.23	1.23	4.91	3.04	8.60	10.88	0.45	1.79	1.98	2.06	8.20	9.05	95	4.81	A	A+	4.38	5.80	1854	1.06
	1.5+1.5+2.0+2.0	1.84	1.84	2.46	2.46	2.47	8.60	10.44	0.49	1.87	2.26	2.24	8.56	10.36	95	4.60	A	A+	4.20	5.80	1931	1.14
	1.5+1.5+2.0+2.5	1.72	1.72	2.29	2.87	2.57	8.60	10.54	0.50	1.87	2.27	2.28	8.56	10.39	95	4.62	A	A+	4.21	5.80	1926	1.13
	1.5+1.5+2.0+3.5	1.52	1.52	2.02	3.54	2.77	8.60	10.64	0.54	1.84	2.26	2.45	8.43	10.34	95	4.70	A	A+	4.28	5.80	1895	1.12
	1.5+1.5+2.0+4.2	1.40	1.40	1.87	3.93	2.78	8.60	10.65	0.53	1.82	2.25	2.41	8.33	10.30	95	4.74	A	A+	4.32	5.80	1877	1.11
	1.5+1.5+2.0+5.0	1.29	1.29	1.72	4.30	3.10	8.60	10.71	0.59	1.82	2.20	2.71	8.33	10.06	95	4.75	A	A+	4.34	5.80	1871	1.07
	1.5+1.5+2.0+6.0	1.17	1.17	1.56	4.69	3.04	8.60	11.07	0.45	1.78	2.04	2.06	8.15	9.35	95	4.85	A	A+	4.44	5.80	1829	1.05
	1.5+1.5+2.5+2.5	1.61	1.61	2.69	2.69	2.67	8.60	10.55	0.52	1.86	2.23	2.37	8.52	10.19	95	4.63	A	A+	4.22	5.80	1921	1.12
	1.5+1.5+2.5+3.5	1.43	1.43	2.39	3.34	2.98	8.60	10.65	0.59	1.82	2.27	2.71	8.33	10.40	95	4.74	A	A+	4.32	5.80	1878	1.11
	1.5+1.5+2.5+4.2	1.33	1.33	2.22	3.72	2.98	8.60	10.65	0.58	1.81	2.27	2.67	8.29	10.40	95	4.77	A	A+	4.34	5.80	1869	1.1
	1.5+1.5+2.5+5.0	1.23	1.23	2.05	4.10	3.10	8.60	10.90	0.59	1.80	2.25	2.71	8.24	10.30	95	4.80	A	A+	4.38	5.80	1852	1.06
	1.5+1.5+3.5+3.5	1.29	1.29	3.01	3.01	3.18	8.60	10.75	0.64	1.78	2.30	2.93	8.15	10.53	95	4.85	A	A+	4.45	5.80	1822	1.09
	1.5+1.5+3.5+4.2	1.21	1.21	2.81	3.38	2.99	8.60	10.85	0.58	1.78	2.34	2.67	8.15	10.69	95	4.86	A	A+++	4.60	5.80	1765	1.09
	1.5+2.0+2.0+2.0	1.72	2.29	2.29	2.29	2.47	8.60	10.63	0.49	1.87	2.34	2.24	8.56	10.69	95	4.62	A	A+	4.21	5.80	1926	1.13
	1.5+2.0+2.0+2.5	1.61	2.15	2.15	2.69	2.57	8.60	10.72	0.50	1.86	2.35	2.28	8.52	10.76	95	4.63	A	A+	4.22	5.80	1921	1.12
	1.5+2.0+2.0+3.5	1.43	1.91	1.91	3.34	2.77	8.60	10.83	0.54	1.81	2.36	2.45	8.29	10.80	95	4.76	A	A+	4.32	5.80	1880	1.11
	1.5+2.0+2.0+4.2	1.33	1.77	1.77	3.72	2.78	8.60	10.84	0.53	1.80	2.35	2.41	8.24	10.74	95	4.78	A	A+	4.33	5.80	1872	1.1
	1.5+2.0+2.0+5.0	1.23	1.64	1.64	4.10	3.10	8.60	10.90	0.59	1.79	2.26	2.71	8.20	10.36	95	4.82	A	A+	4.36	5.80	1859	1.06
	1.5+2.0+2.5+2.5	1.52	2.02	2.53	2.53	2.67	8.60	10.72	0.52	1.86	2.29	2.37	8.52	10.48	95	4.65	A	A+	4.23	5.80	1917	1.12
	1.5+2.0+2.5+3.5	1.36	1.81	2.26	3.17	2.98	8.60	10.83	0.59	1.80	2.35	2.71	8.24	10.74	95	4.78	A	A+	4.34	5.80	1871	1.1
	1.5+2.0+2.5+4.2	1.26	1.69	2.11	3.54	2.98	8.60	10.84	0.58	1.80	2.35	2.67	8.24	10.74	95	4.80	A	A+	4.35	5.80	1864	1.09
	1.5+2.0+2.5+5.0	1.17	1.56	1.95	3.91	3.10	8.60	11.09	0.59	1.79	2.33	2.71	8.20	10.66	95	4.83	A	A+	4.38	5.80	1854	1.06
	1.5+2.0+3.5+3.5	1.23	1.64	2.87	2.87	3.18	8.60	10.93	0.64	1.78	2.37	2.93	8.15	10.86	95	4.84	A	A+++	4.62	5.80	1757	1.09
	1.5+2.5+2.5+2.5	1.43	2.39	2.39	2.39	2.77	8.60	10.73	0.55	1.85	2.29	2.50	8.47	10.48	95	4.66	A	A+	4.24	5.80	1912	1.11
	1.5+2.5+2.5+3.5	1.29	2.15	2.15	3.01	3.08	8.60	10.92	0.62	1.79	2.38	2.84	8.20	10.91	95	4.81	A	A+	4.37	5.80	1858	1.09
	1.5+2.5+2.5+4.2	1.21	2.01	2.01	3.38	2.98	8.60	11.01	0.58	1.78	2.41	2.67	8.15	11.03	95	4.83	A	A+	4.39	5.80	1848	1.09
	1.5+2.5+3.5+3.5	1.17	1.95	2.74	2.74	3.18	8.60	11.02	0.64	1.76	2.41	2.93	8.06	11.03	95	4.90	A	A+++	4.63	5.80	1751	1.08
	2.0+2.0+2.0+2.0	2.15	2.15	2.15	2.15	2.47	8.60	10.81	0.49	1.86	2.40	2.24	8.52	10.99	95	4.63	A	A+	4.22	5.80	1921	1.12
	2.0+2.0+2.0+2.5	2.02	2.02	2.02	2.53	2.57	8.60	10.90	0.50	1.86	2.41	2.28	8.52	11.03	95	4.65	A	A+	4.23	5.80	1917	1.12
	2.0+2.0+2.0+3.5	1.81	1.81	1.81	3.17	2.77	8.60	11.00	0.54	1.79	2.42	2.45	8.20	11.07	95	4.83	A	A+	4.38	5.80	1853	1.1
	2.0+2.0+2.0+4.2	1.69	1.69	1.69	3.54	2.78	8.60	11.01	0.53	1.80	2.42	2.41	8.24	11.07	95	4.80	A	A+	4.40	5.80	1846	1.09
	2.0+2.0+2.0+5.0	1.56	1.56	1.56	3.91	3.10	8.60	11.08	0.59	1.78	2.34	2.71	8.15	10.69	95	4.83	A	A+	4.42	5.80	1836	1.06
	2.0+2.0+2.5+2.5	1.91	1.91	2.39	2.39	2.67	8.60	10.91	0.52	1.85	2.36	2.37	8.47	10.82	95	4.66	A	A+	4.24	5.80	1912	1.11
	2.0+2.0+2.5+3.5	1.72	1.72	2.15	3.01	2.98	8.60	11.01	0.56	1.78	2.42	2.58	8.15	11.07	95	4.83	A	A+	4.39	5.80	1850	1.09
	2.0+2.0+2.5+4.2	1.61	1.61	2.01	3.38	2.98	8.60	11.01	0.56	1.78	2.42	2.58	8.15	11.07	95	4.85	A	A+	4.40	5.80	1842	1.09
	2.0+2.0+3.5+3.5	1.56	1.56	2.74	2.74	3.18	8.60	11.12	0.61	1.76	2.45	2.80	8.06	11.20	95	4.90	A	A+++	4.65	5.80	1745	1.08
	2.0+2.5+2.5+2.5	1.81	2.26	2.26	2.26	2.77	8.60	10.91	0.54	1.84	2.36	2.45	8.43	10.82	95	4.68	A	A+	4.26	5.80	1905	1.1
	2.0+2.5+2.5+3.5	1.64	2.05	2.05	2.87	3.08	8.60	11.11	0.59	1.78	2.46	2.71	8.15	11.24	95	4.85	A	A+	4.39	5.80	1846	1.08
	2.5+2.5+2.5+2.5	2.15	2.15	2.15	2.15	2.88	8.60	11.10	0.54	1.84	2.38	2.45	8.43	10.91	95	4.70	A	A+	4.27	5.80	1900	1.09
	2.5+2.5+2.5+3.5	1.95	1.95	1.95	2.74	3.18	8.60	11.11	0.60	1.79	2.37	2.75	8.20	10.86	95	4.83	A	A+	4.42	5.80	1835	1.08

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5	1.80	---	---	---	1.73	1.80	2.89	0.42	0.52	1.00	1.91	2.38	4.57	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	1.78	2.00	3.05	0.45	0.60	1.04	2.04	2.75	4.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	1.85	2.50	3.59	0.48	0.78	1.31	2.18	3.57	5.99	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	1.89	3.50	4.95	0.48	1.19	1.52	2.18	5.45	6.97	95	---	---	---	---	---	---	---
	4.2	---	4.20	---	---	1.94	4.20	5.02	0.49	1.43	1.53	2.22	6.55	7.01	95	---	---	---	---	---	---	---
	5.0	---	5.00	---	---	2.05	5.00	5.76	0.46	1.67	1.76	2.09	7.65	8.04	95	---	---	---	---	---	---	---
	6.0	---	6.00	---	---	2.15	6.00	6.73	0.46	2.01	2.36	2.09	9.20	10.79	95	---	---	---	---	---	---	---
	7.1	---	7.10	---	---	2.26	7.10	7.41	0.49	2.71	2.75	2.22	12.41	12.56	95							
	1.5+1.5	1.50	1.50	---	---	1.87	3.00	4.11	0.42	0.47	0.97	1.94	2.16	4.44	95	6.48	A	235	A++	6.96	3.0	151
	1.5+2.0	1.50	2.00	---	---	1.89	3.50	4.60	0.46	0.57	1.14	2.11	2.61	5.21	95	6.18	A	285	A++	7.09	3.5	173
	1.5+2.5	1.50	2.50	---	---	1.95	4.00	5.07	0.42	0.69	1.23	1.94	3.16	5.62	95	5.88	A	345	A++	7.18	4.0	195
	1.5+3.5	1.50	3.50	---	---	2.05	5.00	5.95	0.42	0.93	1.62	1.94	4.26	7.41	95	5.43	A	465	A++	7.33	5.0	239
	1.5+4.2	1.50	4.20	---	---	2.12	5.70	6.51	0.46	1.14	1.87	2.11	5.22	8.55	95	5.03	A	570	A++	7.34	5.7	272
	1.5+5.0	1.50	5.00	---	---	2.20	6.50	7.09	0.47	1.35	2.23	2.15	6.18	10.22	95	4.83	A	675	A++	7.41	6.5	307
	1.5+6.0	1.48	5.92	---	---	2.32	7.40	7.74	0.51	1.64	2.38	2.32	7.51	10.88	95	4.53	A	820	A++	7.36	7.4	352
	1.5+7.1	1.40	6.60	---	---	2.47	8.00	8.35	0.54	1.85	2.74	2.48	8.47	12.55	95	4.33	A	925	A++	7.35	8.0	410
	2.0+2.0	2.00	2.00	---	---	1.95	4.00	5.41	0.46	0.68	1.49	2.11	3.12	6.80	95	5.90	A	340	A++	7.18	4.0	195
	2.0+2.5	2.00	2.50	---	---	2.00	4.50	5.84	0.46	0.82	1.58	2.11	3.76	7.21	95	5.55	A	410	A++	7.23	4.5	218
	2.0+3.5	2.00	3.50	---	---	2.10	5.50	6.44	0.46	1.06	2.17	2.11	4.86	9.94	95	5.23	A	530	A++	7.38	5.5	261
	2.0+4.2	2.00	4.20	---	---	2.17	6.20	6.91	0.46	1.27	2.28	2.11	5.82	10.43	95	4.91	A	635	A++	7.39	6.2	294
	2.0+5.0	2.00	5.00	---	---	2.25	7.00	7.45	0.47	1.47	2.46	2.15	6.73	11.24	95	4.78	A	735	A++	7.43	7.0	330
	2.0+6.0	1.85	5.55	---	---	2.39	7.40	8.06	0.51	1.61	2.55	2.32	7.37	11.69	95	4.61	A	805	A++	7.38	7.4	351
	2.0+7.1	1.76	6.24	---	---	2.53	8.00	8.62	0.54	1.76	2.93	2.48	8.06	13.40	95	4.57	A	880	A++	7.40	8.0	379
	2.5+2.5	2.50	2.50	---	---	2.05	5.00	6.24	0.42	0.92	2.17	1.94	4.22	9.94	95	5.48	A	460	A++	7.34	5.0	239
	2.5+3.5	2.50	3.50	---	---	2.15	6.00	6.73	0.46	1.24	2.12	2.11	5.68	9.69	95	4.87	A	620	A++	7.39	6.0	285
	2.5+4.2	2.50	4.20	---	---	2.22	6.70	7.25	0.46	1.39	2.34	2.11	6.37	10.71	95	4.82	A	695	A++	7.45	6.7	315
	2.5+5.0	2.47	4.93	---	---	2.32	7.40	7.74	0.50	1.61	2.63	2.27	7.37	12.06	95	4.61	A	805	A++	7.36	7.4	352
	2.5+6.0	2.35	5.65	---	---	2.46	8.00	8.32	0.54	1.76	2.73	2.48	8.06	12.50	95	4.57	A	880	A++	7.40	8.0	379
	2.5+7.1	2.08	5.92	---	---	2.60	8.00	8.83	0.54	1.79	3.05	2.48	8.20	13.97	95	4.49	A	895	A++	7.39	8.0	403
	3.5+3.5	3.50	3.50	---	---	2.25	7.00	7.45	0.46	1.47	2.56	2.11	6.73	11.73	95	4.78	A	735	A++	7.43	7.0	330
	3.5+4.2	3.50	4.20	---	---	2.35	7.70	7.88	0.50	1.69	2.74	2.27	7.74	12.55	95	4.58	A	845	A++	7.40	7.7	365
	3.5+5.0	3.29	4.71	---	---	2.46	8.00	8.32	0.53	1.75	3.00	2.44	8.01	13.73	95	4.59	A	875	A++	7.37	8.0	380
	3.5+6.0	2.95	5.05	---	---	2.58	8.00	8.79	0.54	1.73	3.66	2.48	7.92	16.74	95	4.64	A	865	A++	7.38	8.0	380
	3.5+7.1	2.64	5.36	---	---	2.74	8.00	8.48	0.58	1.87	2.80	2.65	8.56	12.83	95	4.29	A	935	A++	7.27	8.0	434
	4.2+4.2	---	4.00	4.00	---	2.44	8.00	8.27	0.53	1.81	3.04	2.44	8.29	13.93	95	4.43	A	905	A++	7.38	8.0	399
	4.2+5.0	---	3.65	4.35	---	2.54	8.00	8.65	0.53	1.77	3.20	2.44	8.11	14.62	95	4.53	A	885	A++	7.32	8.0	383
	4.2+6.0	---	3.29	4.71	---	2.68	8.00	9.07	0.58	1.82	3.26	2.65	8.33	14.91	95	4.41	A	910	A++	7.29	8.0	408
	4.2+7.1	---	2.97	5.03	---	2.83	8.00	9.34	0.62	1.87	3.40	2.82	8.56	15.56	95	4.30	A	935	A++	7.27	8.0	434
	5.0+5.0	---	4.00	4.00	---	2.65	8.00	8.83	0.57	1.74	3.22	2.61	7.97	14.75	95	4.61	A	870	A++	7.40	8.0	402
	5.0+6.0	---	3.64	4.36	---	2.79	8.00	9.32	0.62	1.72	3.28	2.82	7.88	15.03	95	4.66	A	860	A++	7.44	8.0	423
	5.0+7.1	---	3.31	4.69	---	2.94	8.00	9.54	0.62	1.70	3.43	2.82	7.79	15.68	95	4.71	A	850	A++	7.45	8.0	423
	6.0+6.0	---	4.36	3.64	---	2.93	8.00	9.58	0.62	1.71	3.20	2.82	7.83	14.66	95	4.68	A	855	A++	7.45	8.0	423
	6.0+7.1	---	3.66	4.34	---	3.08	8.00	9.74	0.65	1.70	3.35	2.99	7.79	15.32	95	4.73	A	850	A++	7.45	8.0	423
	7.1+7.1	---	4.00	4.00	---	3.23	8.00	9.79	0.69	1.70	3.36	3.16	7.79	15.36	95	4.73	A	850	A++	7.45	8.0	423
	1.5+1.5+1.5	1.50	1.50	1.50	---	2.00	4.50	5.52	0.44	0.76	1.31	2.02	3.48	5.99	95	5.98	A	380	A++	7.93	4.5	199
	1.5+1.5+2.0	1.50	1.50	2.00	---	2.05	5.00	5.95	0.48	0.87	1.49	2.19	3.99	6.80	95	5.80	A	435	A++	8.00	5.0	219
	1.5+1.5+2.5	1.50	1.50	2.50	---	2.10	5.50	6.35	0.48	0.98	1.68	2.19	4.49	7.70	95	5.62	A	490	A++	8.23	5.5	234
	1.5+1.5+3.5	1.50	1.50	3.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.27	A	620	A++	8.25	6.5	276
	1.5+1.5+4.2	1.50	1.50	4.20	---	2.28	7.20	7.56	0.48	1.43	2.26	2.19	6.55	10.35	95	5.05	A	715	A++	8.22	7.2	307
	1.5+1.5+5.0	1.39	1.39	4.63	---	2.39	7.40	8.04	0.52	1.53	2.45	2.36	7.01	11.20	95	4.86	A	765	A++	8.14	7.4	318
	1.5+1.5+6.0	1.33	1.33	5.33	---	2.52	8.00	8.55	0.55	1.73	2.54	2.53	7.92	11.61	95	4.64	A	865	A++	8.09	8.0	346
	1.5+1.5+7.1	1.19	1.19	5.62	---	2.67	8.00	9.02	0.59	1.81	2.79	2.69	8.29	12.79	95	4.42	A	905	A++	8.04	8.0	370
	1.5+2.0+2.0	1.50	2.00	2.00	---	2.10	5.50	6.35	0.48	0.98	1.68	2.19	4.49	7.70	95	5.64	A	490	A++	8.21	5.5	235
	1.5+2.0+2.5	1.50	2.00	2.50	---	2.15	6.00	6.73	0.48	1.10	1.83	2.19	5.04	8.39	95	5.46	A	550	A++	8.20	6.0	256
	1.5+2.0+3.5	1.50	2.00	3.50	---	2.25	7.00	7.43	0.48	1.36	2.21	2.19	6.23	10.10	95	5.18	A	680	A++	8.23	7.0	298
	1.5+2.0+4.2	1.50	2.00	4.20	---	2.35	7.70	7.86	0.51	1.62	2.44	2.32	7.42	11.16	95	4.78	A	810	A++	8.16	7.7	331
	1.5+2.0+5.0	1.41	1.88	4.71	---	2.46	8.00	8.30	0.54	1.72	2.63	2.48	7.88	12.02	95	4.66	A	860	A++	8.08	8.0	347
	1.5+2.0+6.0	1.26	1.68	5.05	---	2.58	8.00	8.77	0.55	1.71	2.67	2.53	7.83	12.22	95	4.68	A	855	A++	8.07	8.0	347
	1.5+2.0+7.1	1.13	1.51	5.36	---	2.74	8.00	9.19	0.59	1.85	2.93	2.69	8.47	13.40	95	4.33	A	925	A++	7.98	8.0	395
	1.5+2.5+2.5	1.50	2.50	2.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.26	A	620	A++	8.21	6.5	278
	1.5+2.5+3.5	1.48	2.47	3.45	---	2.32	7.40	7.74	0.51	1.51	2.38	2.32	6.92	10.88	95	4.93	A	755	A++	8.19	7.4	317
	1.5+2.5+4.2	1.46	2.44	4.10	---	2.42	8.00	8.15	0.51	1.75	2.62	2.32	8.01	11.98	95	4.58	A	875	A++	8.07	8.0	356
	1.5+2.5+5.0	1.33	2.22	4.44	---	2.52	8.00	8.55	0.54	1.72	2.76	2.48	7.88	12.63	95	4.66	A	860	A++	8.08	8.0	347
	1.5+2.5+6.0	1.20	2.00	4.80	---	2.65	8.00	8.98	0.55	1.81	2.79	2.53	8.29	12.79	95	4.42	A	905	A++	8.04	8.0	370
	1.5+2.5+7.1	1.08	1.80	5.12	---	2.80	8.00	9.34	0.59	1.85	3.00	2.69	8.47	13.73	95	4.33	A	925	A++	7.98	8.0	395
	1.5+3.5+3.5	1.41	3.29	3.29	---	2.46	8.00	8.30	0.54	1.76	2.74	2.48	8.06	12.55	95	4.56	A	880	A++	8.05	8.0	348
	1.5+3.5+4.2	1.30	3.04	3.65	---	2.54	8.00	8.64	0.54	1.75	2.93	2.48	8.01	13.40	95	4.58	A	875	A++	8.04	8.0	349

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5+3.5+5.0	1.20	2.80	4.00	---	2.65	8.00	8.98	0.58	1.81	3.08	2.65	8.29	14.09	95	4.42	A	905	A++	8.04	8.0	370
	1.5+3.5+6.0	1.09	2.55	4.36	---	2.79	8.00	9.31	0.59	1.85	3.00	2.69	8.47	13.73	95	4.33	A	925	A++	7.98	8.0	395
	1.5+3.5+7.1	0.99	2.31	4.69	---	2.94	8.00	9.58	0.62	1.83	3.21	2.82	8.38	14.70	95	4.38	A	915	A++	7.99	8.0	394
	1.5+4.2+4.2	1.21	3.39	3.39	---	2.64	8.00	8.94	0.58	1.74	3.12	2.65	7.97	14.30	95	4.60	A	870	A++	8.20	8.0	423
	1.5+4.2+5.0	1.12	3.14	3.74	---	2.75	8.00	9.22	0.58	1.71	3.21	2.65	7.83	14.70	95	4.70	A	855	A++	8.11	8.0	389
	1.5+4.2+6.0	1.03	2.87	4.10	---	2.89	8.00	9.49	0.62	1.69	3.14	2.82	7.74	14.38	95	4.75	A	845	A++	8.12	8.0	388
	1.5+4.2+7.1	0.94	2.63	4.44	---	3.04	8.00	9.69	0.65	1.67	3.28	2.99	7.65	15.03	95	4.80	A	835	A++	8.12	8.0	388
	1.5+5.0+5.0	1.04	3.48	3.48	---	2.86	8.00	9.45	0.62	1.61	3.31	2.82	7.37	15.15	95	4.98	A	805	A++	8.12	8.0	388
	1.5+5.0+6.0	0.96	3.20	3.84	---	3.00	8.00	9.64	0.63	1.60	3.16	2.86	7.33	14.46	95	5.00	A	800	A++	8.12	8.0	388
	1.5+5.0+7.1	0.88	2.94	4.18	---	3.15	8.00	9.76	0.65	1.59	3.23	2.99	7.28	14.79	95	5.05	A	795	A++	8.13	8.0	388
	1.5+6.0+6.0	0.89	3.56	3.56	---	3.13	8.00	9.75	0.66	1.60	2.93	3.03	7.33	13.40	95	5.02	A	800	A++	8.12	8.0	388
	2.0+2.0+2.0	2.00	2.00	2.00	---	2.15	6.00	6.76	0.48	1.10	1.89	2.19	5.04	8.64	95	5.46	A	550	A++	8.20	6.0	256
	2.0+2.0+2.5	2.00	2.00	2.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.26	A	620	A++	8.21	6.5	278
	2.0+2.0+3.5	1.97	1.97	3.45	---	2.32	7.40	7.76	0.51	1.51	2.38	2.32	6.92	10.88	95	4.93	A	755	A++	8.19	7.4	317
	2.0+2.0+4.2	1.95	1.95	4.10	---	2.42	8.00	8.17	0.51	1.75	2.55	2.32	8.01	11.69	95	4.58	A	875	A++	8.07	8.0	356
	2.0+2.0+5.0	1.78	1.78	4.44	---	2.52	8.00	8.57	0.54	1.72	2.82	2.48	7.88	12.91	95	4.66	A	860	A++	8.07	8.0	347
	2.0+2.0+6.0	1.60	1.60	4.80	---	2.65	8.00	9.00	0.55	1.81	2.79	2.53	8.29	12.79	95	4.42	A	905	A++	8.03	8.0	371
	2.0+2.0+7.1	1.44	1.44	5.12	---	2.80	8.00	9.36	0.59	1.83	3.07	2.69	8.38	14.05	95	4.38	A	915	A++	7.99	8.0	395
	2.0+2.5+2.5	2.00	2.50	2.50	---	2.25	7.00	7.45	0.48	1.36	2.21	2.19	6.23	10.10	95	5.18	A	680	A++	8.23	7.0	298
	2.0+2.5+3.5	1.85	2.31	3.24	---	2.39	7.40	8.06	0.51	1.50	2.55	2.32	6.87	11.69	95	4.94	A	750	A++	8.19	7.4	317
	2.0+2.5+4.2	1.84	2.30	3.86	---	2.48	8.00	8.43	0.54	1.75	2.68	2.48	8.01	12.26	95	4.59	A	875	A++	8.12	8.0	375
	2.0+2.5+5.0	1.68	2.11	4.21	---	2.58	8.00	8.79	0.54	1.72	2.95	2.48	7.88	13.48	95	4.67	A	860	A++	8.07	8.0	347
	2.0+2.5+6.0	1.52	1.90	4.57	---	2.72	8.00	9.17	0.59	1.84	2.93	2.69	8.43	13.40	95	4.36	A	920	A++	8.00	8.0	381
	2.0+2.5+7.1	1.38	1.72	4.90	---	2.87	8.00	9.49	0.62	1.83	3.14	2.82	8.38	14.38	95	4.39	A	915	A++	8.00	8.0	394
	2.0+3.5+3.5	1.78	3.11	3.11	---	2.52	8.00	8.57	0.54	1.74	2.87	2.48	7.97	13.12	95	4.60	A	870	A++	8.05	8.0	348
	2.0+3.5+4.2	1.65	2.89	3.46	---	2.61	8.00	8.87	0.58	1.79	3.00	2.65	8.20	13.73	95	4.49	A	895	A++	8.02	8.0	371
	2.0+3.5+5.0	1.52	2.67	3.81	---	2.72	8.00	9.17	0.58	1.83	3.21	2.65	8.38	14.70	95	4.38	A	915	A++	7.99	8.0	381
	2.0+3.5+6.0	1.39	2.43	4.17	---	2.86	8.00	9.47	0.62	1.83	3.13	2.82	8.38	14.34	95	4.39	A	915	A++	7.99	8.0	394
	2.0+3.5+7.1	1.27	2.22	4.51	---	3.01	8.00	9.28	0.62	1.81	2.94	2.82	8.29	13.44	95	4.44	A	905	A++	8.00	8.0	394
	2.0+4.2+4.2	1.54	3.23	3.23	---	2.71	8.00	9.17	0.58	1.80	3.26	2.65	8.24	14.91	95	4.45	A	900	A++	8.00	8.0	381
	2.0+4.2+5.0	1.43	3.00	3.57	---	2.82	8.00	9.41	0.62	1.84	3.36	2.82	8.43	15.36	95	4.37	A	920	A++	7.98	8.0	395
	2.0+4.2+6.0	1.31	2.75	3.93	---	2.95	8.00	9.64	0.62	1.81	3.20	2.82	8.29	14.66	95	4.42	A	905	A++	7.99	8.0	395
	2.0+4.2+7.1	1.20	2.53	4.27	---	3.11	8.00	9.79	0.65	1.79	3.28	2.99	8.20	15.03	95	4.47	A	895	A++	8.00	8.0	394
	2.0+5.0+5.0	1.33	3.33	3.33	---	2.93	8.00	9.58	0.62	1.74	3.38	2.82	7.97	15.48	95	4.62	A	870	A++	8.02	8.0	393
	2.0+5.0+6.0	1.23	3.08	3.69	---	3.06	8.00	9.73	0.65	1.72	3.23	2.99	7.88	14.79	95	4.67	A	860	A++	8.02	8.0	393
	2.0+5.0+7.1	1.13	2.84	4.03	---	3.22	8.00	9.79	0.65	1.70	3.23	2.99	7.79	14.79	95	4.72	A	850	A++	8.03	8.0	392
	2.0+6.0+6.0	1.14	3.43	3.43	---	3.20	8.00	9.79	0.66	1.71	3.00	3.03	7.83	13.73	95	4.69	A	855	A++	8.03	8.0	393
	2.5+2.5+2.5	2.47	2.47	2.47	---	2.32	7.40	7.76	0.51	1.50	2.38	2.32	6.87	10.88	95	4.95	A	750	A++	8.19	7.4	316
	2.5+2.5+3.5	2.35	2.35	3.29	---	2.46	8.00	8.32	0.54	1.74	2.74	2.48	7.97	12.55	95	4.61	A	870	A++	8.06	8.0	347
	2.5+2.5+4.2	2.17	2.17	3.65	---	2.54	8.00	8.66	0.54	1.73	2.93	2.48	7.92	13.40	95	4.63	A	865	A++	8.08	8.0	347
	2.5+2.5+5.0	2.00	2.00	4.00	---	2.65	8.00	9.00	0.58	1.81	3.08	2.65	8.29	14.09	95	4.43	A	905	A++	8.02	8.0	371
	2.5+2.5+6.0	1.82	1.82	4.36	---	2.79	8.00	9.33	0.59	1.83	3.07	2.69	8.38	14.05	95	4.39	A	915	A++	8.00	8.0	394
	2.5+2.5+7.1	1.65	1.65	4.69	---	2.94	8.00	9.60	0.62	1.81	3.21	2.82	8.29	14.70	95	4.44	A	905	A++	8.01	8.0	394
	2.5+3.5+3.5	2.11	2.95	2.95	---	2.58	8.00	8.51	0.54	1.73	2.68	2.48	7.92	12.26	95	4.64	A	865	A++	8.07	8.0	347
	2.5+3.5+4.2	1.96	2.75	3.29	---	2.68	8.00	9.07	0.58	1.81	3.06	2.65	8.29	14.01	95	4.44	A	905	A++	8.03	8.0	371
	2.5+3.5+5.0	1.82	2.55	3.64	---	2.79	8.00	9.33	0.62	1.81	3.28	2.82	8.29	15.03	95	4.43	A	905	A++	7.99	8.0	395
	2.5+3.5+6.0	1.67	2.33	4.00	---	2.93	8.00	9.58	0.62	1.79	3.20	2.82	8.20	14.66	95	4.48	A	895	A++	8.00	8.0	394
	2.5+3.5+7.1	1.53	2.14	4.34	---	3.08	8.00	9.28	0.65	1.77	2.94	2.99	8.11	13.44	95	4.53	A	885	A++	8.00	8.0	394
	2.5+4.2+4.2	1.83	3.08	3.08	---	2.78	8.00	9.20	0.62	1.87	3.27	2.82	8.56	14.95	95	4.30	A	935	A++	7.96	8.0	396
	2.5+4.2+5.0	1.71	2.87	3.42	---	2.89	8.00	9.54	0.62	1.82	3.43	2.82	8.33	15.68	95	4.40	A	910	A++	7.94	8.0	397
	2.5+4.2+6.0	1.57	2.65	3.78	---	3.02	8.00	9.72	0.62	1.80	3.28	2.82	8.24	14.99	95	4.45	A	900	A++	7.94	8.0	397
	2.5+4.2+7.1	1.45	2.43	4.12	---	3.17	8.00	9.82	0.65	1.78	3.36	2.99	8.15	15.36	95	4.50	A	890	A++	7.95	8.0	396
	2.5+5.0+5.0	1.60	3.20	3.20	---	3.00	8.00	9.66	0.65	1.73	3.45	2.99	7.92	15.80	95	4.64	A	865	A++	8.03	8.0	393
	2.5+5.0+6.0	1.48	2.96	3.56	---	3.13	8.00	9.77	0.65	1.71	3.23	2.99	7.83	14.79	95	4.69	A	855	A++	8.03	8.0	392
	2.5+6.0+6.0	1.38	3.31	3.31	---	3.27	8.00	9.79	0.66	1.70	3.00	3.03	7.79	13.73	95	4.71	A	850	A++	8.04	8.0	392
	3.5+3.5+3.5	2.67	2.67	2.67	---	2.72	8.00	8.84	0.58	1.79	2.80	2.65	8.20	12.83	95	4.47	A	895	A++	8.00	8.0	381
	3.5+3.5+4.2	2.50	2.50	3.00	---	2.82	8.00	9.48	0.62	1.86	3.26	2.82	8.52	14.91	95	4.32	A	930	A++	7.93	8.0	397
	3.5+3.5+5.0	2.33	2.33	3.33	---	2.93	8.00	9.54	0.62	1.81	3.43	2.82	8.29	15.68	95	4.42	A	905	A++	7.91	8.0	398
	3.5+3.5+6.0	2.15	2.15	3.69	---	3.06	8.00	9.29	0.65	1.79	3.00	2.99	8.20	13.73	95	4.47	A	895	A++	7.92	8.0	398
	3.5+3.5+7.1	1.99	1.99	4.03	---	3.22	8.00	9.79	0.69	1.77	3.36	3.16	8.11	15.36	95	4.52	A	885	A++	7.93	8.0	398
	3.5+4.2+4.2	2.35	2.82	2.82	---	2.91	8.00	9.36	0.62	1.85	3.40	2.82	8.47	15.56	95	4.34	A	925	A++	7.94	8.0	397
	3.5+4.2+5.0	2.20	2.65	3.15	---	3.02	8.00	9.55	0.65	1.81	3.43	2.99	8.29	15.68	95	4.44	A	905	A++	7.92	8.0	398
	3.5+4.2+6.0	2.04	2.45	3.50	---	3.16	8.00	9.78	0.65	1.79	3.36	2.99	8.20	15.36	95	4.49	A	895	A++	7.92	8.0	398
	3.5+5.0+5.0	2.07	2.96	2.96	---	3.13	8.00	9.74	0.65	1.71	3.45	2.99	7.83	15.80	95	4.68	A	855	A++	8.04	8.0	392
	3.5+5.0+6.0	1.93	2.76	3.31	---	3.27	8.00	9.79	0.69	1.70	3.23	3.16	7.79	14.79	95	4.73	A	850	A++	8.04	8.0	392
	4.2+4.2+4.2	---	2.67	2.67	2.67	3.01	8.00	9.37	0.65	1.84	3.40	2.99	8.43	15.56	95	4.36	A	920	A++	7.94	8.0	397
	4.2+4.2+5.0	---	2.51	2.51	2.99	3.12	8.00	9.56	0.65	1.80	3.43	2.99	8.24	15.68	95	4.46	A	900	A++	7.92	8.0	398

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	4.2+4.2+6.0	---	2.33	2.33	3.33	3.26	8.00	9.79	0.69	1.78	3.36	3.16	8.15	15.36	95	4.51	A	890	A++	7.93	8.0	398
	4.2+5.0+5.0	---	2.37	2.82	2.82	3.23	8.00	9.75	0.69	1.79	3.45	3.16	8.20	15.80	95	4.48	A	895	A++	7.92	8.0	398
	1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	2.15	6.00	6.73	0.49	1.08	1.54	2.23	4.95	7.05	95	5.58	A	540	A++	8.39	6.0	251
	1.5+1.5+1.5+2.0	1.50	1.50	1.50	2.00	2.20	6.50	7.09	0.49	1.21	1.69	2.23	5.54	7.74	95	5.41	A	605	A++	8.46	6.5	269
	1.5+1.5+1.5+2.5	1.50	1.50	1.50	2.50	2.25	7.00	7.43	0.49	1.34	1.84	2.23	6.14	8.43	95	5.24	A	670	A+++	8.55	7.0	287
	1.5+1.5+1.5+3.5	1.39	1.39	1.39	3.24	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.59	A	810	A++	8.33	7.4	311
	1.5+1.5+1.5+4.2	1.38	1.38	1.38	3.86	2.48	8.00	8.40	0.52	1.99	2.30	2.36	9.11	10.51	95	4.02	A	995	A++	8.10	8.0	376
	1.5+1.5+1.5+5.0	1.26	1.26	1.26	4.21	2.58	8.00	8.77	0.55	1.95	2.55	2.53	8.93	11.69	95	4.12	A	975	A++	8.03	8.0	349
	1.5+1.5+1.5+6.0	1.14	1.14	1.14	4.57	2.72	8.00	9.15	0.56	2.21	2.59	2.57	10.12	11.85	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+1.5+1.5+7.1	1.03	1.03	1.03	4.90	2.87	8.00	9.47	0.59	2.18	2.72	2.69	9.98	12.46	95	3.67	A	1090	A++	7.85	8.0	401
	1.5+1.5+2.0+2.0	1.50	1.50	2.00	2.00	2.25	7.00	7.43	0.49	1.34	1.84	2.23	6.14	8.43	95	5.24	A	670	A+++	8.55	7.0	287
	1.5+1.5+2.0+2.5	1.48	1.48	1.97	2.47	2.32	7.40	7.74	0.52	1.62	1.96	2.36	7.42	8.96	95	4.57	A	810	A++	8.32	7.4	311
	1.5+1.5+2.0+3.5	1.41	1.41	1.88	3.29	2.46	8.00	8.30	0.52	1.99	2.23	2.36	9.11	10.22	95	4.02	A	995	A++	8.04	8.0	349
	1.5+1.5+2.0+4.2	1.30	1.30	1.74	3.65	2.54	8.00	8.64	0.55	1.98	2.42	2.53	9.07	11.08	95	4.04	A	990	A++	8.04	8.0	349
	1.5+1.5+2.0+5.0	1.20	1.20	1.60	4.00	2.65	8.00	8.98	0.55	2.15	2.68	2.53	9.84	12.26	95	3.72	A	1075	A++	7.86	8.0	379
	1.5+1.5+2.0+6.0	1.09	1.09	1.45	4.36	2.79	8.00	9.31	0.59	2.18	2.65	2.69	9.98	12.14	95	3.67	A	1090	A++	7.85	8.0	401
	1.5+1.5+2.0+7.1	0.99	0.99	1.32	4.69	2.94	8.00	9.58	0.63	2.15	2.79	2.86	9.84	12.79	95	3.72	A	1075	A++	7.87	8.0	401
	1.5+1.5+2.5+2.5	1.39	1.39	2.31	2.31	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.57	A	810	A++	8.32	7.4	311
	1.5+1.5+2.5+3.5	1.33	1.33	2.22	3.11	2.52	8.00	8.55	0.55	1.98	2.55	2.53	9.07	11.65	95	4.04	A	990	A++	8.05	8.0	348
	1.5+1.5+2.5+4.2	1.24	1.24	2.06	3.46	2.61	8.00	8.85	0.55	2.18	2.73	2.53	9.98	12.50	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+1.5+2.5+5.0	1.14	1.14	1.90	3.81	2.72	8.00	9.15	0.59	2.20	2.81	2.69	10.07	12.87	95	3.64	A	1100	A++	7.82	8.0	390
	1.5+1.5+2.5+6.0	1.04	1.04	1.74	4.17	2.86	8.00	9.45	0.59	2.22	2.72	2.69	10.17	12.46	95	3.61	A	1110	A++	7.81	8.0	404
	1.5+1.5+2.5+7.1	0.95	0.95	1.59	4.51	3.01	8.00	9.66	0.63	2.19	2.86	2.86	10.03	13.08	95	3.66	A	1095	A++	7.82	8.0	403
	1.5+1.5+3.5+3.5	1.20	1.20	2.80	2.80	2.65	8.00	8.98	0.55	2.18	2.80	2.53	9.98	12.83	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+1.5+3.5+4.2	1.12	1.12	2.62	3.14	2.75	8.00	9.22	0.59	2.26	2.94	2.69	10.35	13.44	95	3.55	A	1130	A++	7.79	8.0	405
	1.5+1.5+3.5+5.0	1.04	1.04	2.43	3.48	2.86	8.00	9.45	0.59	2.20	3.02	2.69	10.07	13.81	95	3.65	A	1100	A++	7.78	8.0	405
	1.5+1.5+3.5+6.0	0.96	0.96	2.24	3.84	3.00	8.00	9.64	0.63	2.17	2.86	2.86	9.94	13.08	95	3.70	A	1085	A++	7.80	8.0	404
	1.5+1.5+3.5+7.1	0.88	0.88	2.06	4.18	3.15	8.00	9.76	0.66	2.14	2.93	3.03	9.80	13.40	95	3.75	A	1070	A++	7.82	8.0	403
	1.5+1.5+4.2+4.2	1.05	1.05	2.95	2.95	2.84	8.00	9.41	0.59	2.25	3.07	2.69	10.30	14.05	95	3.57	A	1125	A++	7.79	8.0	404
	1.5+1.5+4.2+5.0	0.98	0.98	2.75	3.28	2.95	8.00	9.59	0.63	2.18	3.09	2.86	9.98	14.13	95	3.67	A	1090	A++	7.79	8.0	405
	1.5+1.5+4.2+6.0	0.91	0.91	2.55	3.64	3.09	8.00	9.73	0.63	2.15	2.93	2.86	9.84	13.40	95	3.72	A	1075	A++	7.81	8.0	404
	1.5+1.5+4.2+7.1	0.84	0.84	2.35	3.97	3.24	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.82	8.0	403
	1.5+1.5+5.0+5.0	0.92	0.92	3.08	3.08	3.06	8.00	9.71	0.63	2.05	3.04	2.86	9.39	13.93	95	3.92	A	1025	A++	7.84	8.0	402
	1.5+1.5+5.0+6.0	0.86	0.86	2.86	3.43	3.20	8.00	9.77	0.66	2.02	2.87	3.03	9.25	13.16	95	3.97	A	1010	A++	7.85	8.0	401
	1.5+2.0+2.0+2.0	1.48	1.97	1.97	1.97	2.32	7.40	7.74	0.52	1.62	1.96	2.36	7.42	8.96	95	4.57	A	810	A++	8.32	7.4	311
	1.5+2.0+2.0+2.5	1.39	1.85	1.85	2.31	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.59	A	810	A++	8.18	7.4	317
	1.5+2.0+2.0+3.5	1.33	1.78	1.78	3.11	2.52	8.00	8.55	0.55	1.98	2.36	2.53	9.07	10.79	95	4.04	A	990	A++	8.05	8.0	348
	1.5+2.0+2.0+4.2	1.24	1.65	1.65	3.46	2.61	8.00	8.85	0.55	2.18	2.55	2.53	9.98	11.65	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+2.0+2.0+5.0	1.14	1.52	1.52	3.81	2.72	8.00	9.15	0.59	2.21	2.81	2.69	10.12	12.87	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+2.0+2.0+6.0	1.04	1.39	1.39	4.17	2.86	8.00	9.45	0.59	2.22	2.72	2.69	10.17	12.46	95	3.61	A	1110	A++	7.81	8.0	404
	1.5+2.0+2.0+7.1	0.95	1.27	1.27	4.51	3.01	8.00	9.66	0.63	2.19	2.86	2.86	10.03	13.08	95	3.66	A	1095	A++	7.82	8.0	403
	1.5+2.0+2.5+2.5	1.41	1.88	2.35	2.35	2.46	8.00	8.30	0.52	2.00	2.23	2.36	9.16	10.22	95	4.00	A	1000	A++	8.01	8.0	350
	1.5+2.0+2.5+3.5	1.26	1.68	2.11	2.95	2.58	8.00	8.77	0.55	1.98	2.67	2.53	9.07	12.22	95	4.04	A	990	A++	8.03	8.0	349
	1.5+2.0+2.5+4.2	1.18	1.57	1.96	3.29	2.68	8.00	9.05	0.59	2.17	2.87	2.69	9.94	13.12	95	3.70	A	1085	A++	7.83	8.0	380
	1.5+2.0+2.5+5.0	1.09	1.45	1.82	3.64	2.79	8.00	9.31	0.59	2.23	2.88	2.69	10.21	13.20	95	3.59	A	1115	A++	7.79	8.0	404
	1.5+2.0+2.5+6.0	1.00	1.33	1.67	4.00	2.93	8.00	9.56	0.63	2.20	2.79	2.86	10.07	12.75	95	3.64	A	1100	A++	7.81	8.0	404
	1.5+2.0+2.5+7.1	0.92	1.22	1.53	4.34	3.08	8.00	9.72	0.63	2.17	2.93	2.86	9.94	13.40	95	3.69	A	1085	A++	7.83	8.0	403
	1.5+2.0+3.5+3.5	1.14	1.52	2.67	2.67	2.72	8.00	9.15	0.59	2.21	2.94	2.69	10.12	13.44	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+2.0+3.5+4.2	1.07	1.43	2.50	3.00	2.82	8.00	9.36	0.59	2.25	3.07	2.69	10.30	14.05	95	3.57	A	1125	A++	7.79	8.0	404
	1.5+2.0+3.5+5.0	1.00	1.33	2.33	3.33	2.93	8.00	9.56	0.63	2.18	3.09	2.86	9.98	14.13	95	3.67	A	1090	A++	7.79	8.0	405
	1.5+2.0+3.5+6.0	0.92	1.23	2.15	3.69	3.06	8.00	9.71	0.63	2.15	2.93	2.86	9.84	13.40	95	3.72	A	1075	A++	7.81	8.0	404
	1.5+2.0+3.5+7.1	0.85	1.13	1.99	4.03	3.22	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.82	8.0	403
	1.5+2.0+4.2+4.2	1.01	1.34	2.82	2.82	2.91	8.00	9.54	0.62	2.23	3.14	2.82	10.21	14.38	95	3.59	A	1115	A++	7.80	8.0	404
	1.5+2.0+4.2+5.0	0.94	1.26	2.65	3.15	3.02	8.00	9.67	0.63	2.17	3.16	2.86	9.94	14.46	95	3.69	A	1085	A++	7.80	8.0	404
	1.5+2.0+4.2+6.0	0.88	1.17	2.45	3.50	3.16	8.00	9.76	0.66	2.14	2.93	3.03	9.80	13.40	95	3.74	A	1070	A++	7.81	8.0	403
	1.5+2.0+5.0+5.0	0.89	1.19	2.96	2.96	3.13	8.00	9.75	0.65	2.06	3.12	2.99	9.43	14.26	95	3.89	A	1030	A++	7.84	8.0	402
	1.5+2.0+5.0+6.0	0.83	1.10	2.76	3.31	3.27	8.00	9.77	0.66	2.03	2.87	3.03	9.30	13.16	95	3.94	A	1015	A++	7.85	8.0	401
	1.5+2.5+2.5+2.5	1.33	2.22	2.22	2.22	2.52	8.00	8.55	0.55	1.98	2.36	2.53	9.07	10.79	95	4.04	A	990	A++	8.03	8.0	349
	1.5+2.5+2.5+3.5	1.20	2.00	2.00	2.80	2.65	8.00	8.98	0.55	2.17	2.79	2.53	9.94	12.79	95	3.70	A	1085	A++	7.83	8.0	380
	1.5+2.5+2.5+4.2	1.12	1.87	1.87	3.14	2.75	8.00	9.22	0.59	2.23	2.94	2.69	10.21	13.44	95	3.59	A	1115	A++	7.80	8.0	404
	1.5+2.5+2.5+5.0	1.04	1.74	1.74	3.48	2.86	8.00	9.45	0.59	2.17	3.02	2.69	9.94	13.81	95	3.69	A	1085	A++	7.80	8.0	404
	1.5+2.5+2.5+6.0	0.96	1.60	1.60	3.84	3.00	8.00	9.64	0.63	2.14	2.86	2.86	9.80	13.08	95	3.74	A	1070	A++	7.81	8.0	403
	1.5+2.5+2.5+7.1	0.88	1.47	1.47	4.18	3.15	8.00	9.76	0.66	2.12	2.93	3.03	9.71	13.40	95	3.79	A	1060	A++	7.83	8.0	403
	1.5+2.5+3.5+3.5	1.09	1.82	2.55	2.55	2.79	8.00	9.31	0.59	2.15	3.00	2.69	9.84	13.73	95	3.72	A	1075	A++	7.87	8.0	400
	1.5+2.5+3.5+4.2	1.03	1.71	2.39	2.87	2.89	8.00	9.49	0.62	2.14	3.14	2.82	9.80	14.38	95	3.74	A	1070	A++	7.88	8.0	400
	1.5+2.5+3.5+5.0	0.96	1.60	2.24	3.20	3.00	8.00	9.64	0.63	2.09	3.09	2.86	9.57	14.13	95	3.84	A	1045	A++	7.87	8.0	400

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5+2.5+3.5+6.0	0.89	1.48	2.07	3.56	3.13	8.00	9.75	0.66	2.06	2.93	3.03	9.43	13.40	95	3.89	A	1030	A++	7.89	8.0	400
	1.5+2.5+4.2+4.2	0.97	1.61	2.71	2.71	2.98	8.00	9.63	0.62	2.13	3.21	2.82	9.75	14.70	95	3.76	A	1065	A++	7.88	8.0	400
	1.5+2.5+4.2+5.0	0.91	1.52	2.55	3.03	3.09	8.00	9.73	0.65	2.08	3.16	2.99	9.52	14.46	95	3.86	A	1040	A++	7.88	8.0	400
	1.5+2.5+4.2+6.0	0.85	1.41	2.37	3.38	3.23	8.00	9.77	0.66	2.05	2.93	3.03	9.39	13.40	95	3.91	A	1025	A++	7.89	8.0	399
	1.5+2.5+5.0+5.0	0.86	1.43	2.86	2.86	3.20	8.00	9.77	0.65	2.07	3.12	2.99	9.48	14.26	95	3.88	A	1035	A++	7.88	8.0	400
	1.5+3.5+3.5+3.5	1.00	2.33	2.33	2.33	2.93	8.00	9.56	0.62	2.14	3.07	2.82	9.80	14.05	95	3.74	A	1070	A++	7.87	8.0	401
	1.5+3.5+3.5+4.2	0.94	2.20	2.20	2.65	3.02	8.00	9.67	0.62	2.13	3.21	2.82	9.75	14.70	95	3.76	A	1065	A++	7.87	8.0	400
	1.5+3.5+3.5+5.0	0.89	2.07	2.07	2.96	3.13	8.00	9.75	0.65	2.08	3.16	2.99	9.52	14.46	95	3.86	A	1040	A++	7.86	8.0	401
	1.5+3.5+3.5+6.0	0.83	1.93	1.93	3.31	3.27	8.00	9.77	0.66	2.05	2.93	3.03	9.39	13.40	95	3.91	A	1025	A++	7.88	8.0	400
	1.5+3.5+4.2+4.2	0.90	2.09	2.51	2.51	3.12	8.00	9.74	0.65	2.12	3.28	2.99	9.71	15.03	95	3.78	A	1060	A++	7.88	8.0	400
	1.5+3.5+4.2+5.0	0.85	1.97	2.37	2.82	3.23	8.00	9.77	0.65	2.07	3.24	2.99	9.48	14.83	95	3.88	A	1035	A++	7.87	8.0	400
	1.5+4.2+4.2+4.2	0.85	2.38	2.38	2.38	3.22	8.00	9.77	0.69	2.11	3.28	3.16	9.66	15.03	95	3.80	A	1055	A++	7.88	8.0	400
	2.0+2.0+2.0+2.0	1.85	1.85	1.85	1.85	2.39	7.40	8.06	0.52	1.62	2.12	2.36	7.42	9.69	95	4.57	A	810	A++	8.32	7.4	311
	2.0+2.0+2.0+2.5	1.88	1.88	1.88	2.35	2.46	8.00	8.32	0.52	1.95	2.23	2.36	8.93	10.22	95	4.12	A	975	A++	8.09	8.0	346
	2.0+2.0+2.0+3.5	1.68	1.68	1.68	2.95	2.58	8.00	8.79	0.55	1.94	2.55	2.53	8.88	11.65	95	4.14	A	970	A++	8.09	8.0	346
	2.0+2.0+2.0+4.2	1.57	1.57	1.57	3.29	2.68	8.00	9.07	0.59	2.26	2.67	2.69	10.35	12.22	95	3.54	A	1130	A++	7.69	8.0	387
	2.0+2.0+2.0+5.0	1.45	1.45	1.45	3.64	2.79	8.00	9.33	0.59	2.30	2.95	2.69	10.53	13.52	95	3.49	A	1150	A++	7.62	8.0	413
	2.0+2.0+2.0+6.0	1.33	1.33	1.33	4.00	2.93	8.00	9.58	0.63	2.26	2.86	2.86	10.35	13.08	95	3.54	A	1130	A++	7.65	8.0	412
	2.0+2.0+2.0+7.1	1.22	1.22	1.22	4.34	3.08	8.00	9.74	0.63	2.20	2.93	2.86	10.07	13.40	95	3.65	A	1100	A++	7.71	8.0	409
	2.0+2.0+2.5+2.5	1.73	1.73	2.17	2.17	2.52	7.80	8.57	0.55	1.76	2.42	2.53	8.06	11.08	95	4.43	A	880	A++	8.20	7.8	333
	2.0+2.0+2.5+3.5	1.60	1.60	2.00	2.80	2.65	8.00	9.00	0.55	2.21	2.79	2.53	10.12	12.79	95	3.62	A	1105	A++	7.74	8.0	385
	2.0+2.0+2.5+4.2	1.50	1.50	1.87	3.14	2.75	8.00	9.24	0.59	2.31	2.94	2.69	10.58	13.44	95	3.47	A	1155	A++	7.68	8.0	410
	2.0+2.0+2.5+5.0	1.39	1.39	1.74	3.48	2.86	8.00	9.47	0.59	2.25	3.02	2.69	10.30	13.81	95	3.57	A	1125	A++	7.68	8.0	411
	2.0+2.0+2.5+6.0	1.28	1.28	1.60	3.84	3.00	8.00	9.66	0.63	2.21	2.86	2.86	10.12	13.08	95	3.62	A	1105	A++	7.69	8.0	410
	2.0+2.0+2.5+7.1	1.18	1.18	1.47	4.18	3.15	8.00	9.78	0.66	2.18	2.93	3.03	9.98	13.40	95	3.67	A	1090	A++	7.71	8.0	409
	2.0+2.0+3.5+3.5	1.45	1.45	2.55	2.55	2.79	8.00	9.14	0.59	2.30	2.87	2.69	10.53	13.12	95	3.49	A	1150	A++	7.74	8.0	407
	2.0+2.0+3.5+4.2	1.37	1.37	2.39	2.87	2.89	8.00	9.51	0.62	2.28	3.14	2.82	10.44	14.38	95	3.51	A	1140	A++	7.74	8.0	407
	2.0+2.0+3.5+5.0	1.28	1.28	2.24	3.20	3.00	8.00	9.66	0.63	2.22	3.16	2.86	10.17	14.46	95	3.61	A	1110	A++	7.74	8.0	407
	2.0+2.0+3.5+6.0	1.19	1.19	2.07	3.56	3.13	8.00	9.77	0.66	2.19	2.93	3.03	10.03	13.40	95	3.66	A	1095	A++	7.76	8.0	406
	2.0+2.0+4.2+4.2	1.29	1.29	2.71	2.71	2.98	8.00	9.65	0.62	2.27	3.21	2.82	10.39	14.70	95	3.53	A	1135	A++	7.75	8.0	407
	2.0+2.0+4.2+5.0	1.21	1.21	2.55	3.03	3.09	8.00	9.75	0.65	2.21	3.16	2.99	10.12	14.46	95	3.63	A	1105	A++	7.75	8.0	407
	2.0+2.0+4.2+6.0	1.13	1.13	2.37	3.38	3.23	8.00	9.79	0.66	2.18	2.93	3.03	9.98	13.40	95	3.68	A	1090	A++	7.76	8.0	406
	2.0+2.0+5.0+5.0	1.14	1.14	2.86	2.86	3.20	8.00	9.79	0.65	2.20	3.12	2.99	10.07	14.26	95	3.65	A	1100	A++	7.75	8.0	407
	2.0+2.5+2.5+2.5	1.68	2.11	2.11	2.11	2.58	8.00	8.79	0.55	1.83	2.54	2.53	8.38	11.61	95	4.39	A	915	A++	8.21	8.0	341
	2.0+2.5+2.5+3.5	1.52	1.90	1.90	2.67	2.72	8.00	9.17	0.59	2.21	2.93	2.69	10.12	13.40	95	3.62	A	1105	A++	7.75	8.0	393
	2.0+2.5+2.5+4.2	1.43	1.79	1.79	3.00	2.82	8.00	9.38	0.59	2.24	3.07	2.69	10.26	14.05	95	3.58	A	1120	A++	7.75	8.0	407
	2.0+2.5+2.5+5.0	1.33	1.67	1.67	3.33	2.93	8.00	9.58	0.63	2.18	3.09	2.86	9.98	14.13	95	3.68	A	1090	A++	7.74	8.0	407
	2.0+2.5+2.5+6.0	1.23	1.54	1.54	3.69	3.06	8.00	9.73	0.63	2.15	2.93	2.86	9.84	13.40	95	3.73	A	1075	A++	7.76	8.0	406
	2.0+2.5+2.5+7.1	1.13	1.42	1.42	4.03	3.22	8.00	9.79	0.66	2.12	2.93	3.03	9.71	13.40	95	3.78	A	1060	A++	7.77	8.0	405
	2.0+2.5+3.5+3.5	1.39	1.74	2.43	2.43	2.86	8.00	9.32	0.62	2.20	3.00	2.82	10.07	13.73	95	3.64	A	1100	A++	7.78	8.0	405
	2.0+2.5+3.5+4.2	1.31	1.64	2.30	2.75	2.95	8.00	9.66	0.62	2.19	3.21	2.82	10.03	14.70	95	3.66	A	1095	A++	7.79	8.0	405
	2.0+2.5+3.5+5.0	1.23	1.54	2.15	3.08	3.06	8.00	9.73	0.65	2.13	3.16	2.99	9.75	14.46	95	3.76	A	1065	A++	7.78	8.0	405
	2.0+2.5+3.5+6.0	1.14	1.43	2.00	3.43	3.20	8.00	9.79	0.66	2.10	2.93	3.03	9.62	13.40	95	3.81	A	1050	A++	7.79	8.0	404
	2.0+2.5+4.2+4.2	1.24	1.55	2.60	2.60	3.05	8.00	9.72	0.65	2.18	3.28	2.99	9.98	15.03	95	3.68	A	1090	A++	7.79	8.0	405
	2.0+2.5+4.2+5.0	1.17	1.46	2.45	2.92	3.16	8.00	9.78	0.65	2.12	3.23	2.99	9.71	14.79	95	3.78	A	1060	A++	7.79	8.0	405
	2.0+2.5+5.0+5.0	1.10	1.38	2.76	2.76	3.27	8.00	9.79	0.65	2.11	3.12	2.99	9.66	14.26	95	3.80	A	1055	A++	7.79	8.0	404
	2.0+3.5+3.5+3.5	1.28	2.24	2.24	2.24	3.00	8.00	9.41	0.62	2.18	2.94	2.82	9.98	13.44	95	3.68	A	1090	A++	7.81	8.0	404
	2.0+3.5+3.5+4.2	1.21	2.12	2.12	2.55	3.09	8.00	9.75	0.65	2.17	3.28	2.99	9.94	15.03	95	3.70	A	1085	A++	7.81	8.0	404
	2.0+3.5+3.5+5.0	1.14	2.00	2.00	2.86	3.20	8.00	9.79	0.65	2.11	3.23	2.99	9.66	14.79	95	3.80	A	1055	A++	7.80	8.0	404
	2.0+3.5+4.2+4.2	1.15	2.01	2.42	2.42	3.19	8.00	9.79	0.65	2.15	3.36	2.99	9.84	15.36	95	3.72	A	1075	A++	7.82	8.0	403
	2.5+2.5+2.5+2.5	2.00	2.00	2.00	2.00	2.65	8.00	9.00	0.55	2.17	2.79	2.53	9.94	12.79	95	3.70	A	1085	A++	7.78	8.0	382
	2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.55	2.79	8.00	9.16	0.59	2.23	2.87	2.69	10.21	13.12	95	3.60	A	1115	A++	7.76	8.0	406
	2.5+2.5+2.5+4.2	1.71	1.71	1.71	2.87	2.89	8.00	9.51	0.62	2.21	3.14	2.82	10.12	14.38	95	3.62	A	1105	A++	7.76	8.0	406
	2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	3.00	8.00	9.66	0.63	2.15	3.16	2.86	9.84	14.46	95	3.72	A	1075	A++	7.76	8.0	406
	2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	3.13	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.77	8.0	405
	2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	2.93	8.00	9.28	0.62	2.21	3.00	2.82	10.12	13.73	95	3.62	A	1105	A++	7.77	8.0	406
	2.5+2.5+3.5+4.2	1.57	1.57	2.20	2.65	3.02	8.00	9.69	0.62	2.20	3.28	2.82	10.07	15.03	95	3.64	A	1100	A++	7.77	8.0	406
	2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.96	3.13	8.00	9.77	0.65	2.14	3.23	2.99	9.80	14.79	95	3.74	A	1070	A++	7.76	8.0	406
	2.5+2.5+3.5+6.0	1.38	1.38	1.93	3.31	3.27	8.00	9.79	0.66	2.12	2.93	3.03	9.71	13.40	95	3.79	A	1060	A++	7.78	8.0	405
	2.5+2.5+4.2+4.2	1.49	1.49	2.51	2.51	3.12	8.00	9.76	0.65	2.19	3.28	2.99	10.03	15.03	95	3.66	A	1095	A++	7.78	8.0	405
	2.5+2.5+4.2+5.0	1.41	1.41	2.37	2.82	3.23	8.00	9.79	0.65	2.13	3.23	2.99	9.75	14.79	95	3.76	A	1065	A++	7.77	8.0	406
	2.5+3.5+3.5+3.5	1.54	2.15	2.15	2.15	3.06	8.00	9.54	0.65	2.20	2.94	2.99	10.07	13.44	95	3.64	A	1100	A++	7.79	8.0	405
	2.5+3.5+3.5+4.2	1.46	2.04	2.04	2.45	3.16	8.00	9.78	0.65	2.19	3.36	2.99	10.03	15.36	95	3.66	A	1095	A++	7.79	8.0	404
	2.5+3.5+3.5+5.0	1.38	1.93	1.93	2.76	3.27	8.00	9.79	0.69	2.13	3.23	3.16	9.75	14.79	95	3.76	A	1065	A++	7.79	8.0	405
	2.5+3.5+4.2+4.2	1.39	1.94	2.33	2.33	3.26	8.00	9.79	0.69	2.18	3.36	3.16	9.98	15.36	95	3.68	A	1090	A++	7.80	8.0	404
	3.5+3.5+3.5+3.5	2.00	2.00	2.00	2.00	3.20	8.00	9.79	0.65	2.19	3.36	2.99	10.03	15.36	95	3.66	A	1095	A++	7.80	8.0	404

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	1.5	1.88	---	---	---	1.25	1.88	4.10	0.29	0.51	1.23	1.33	2.34	5.63	95	---	---	---	---	---	---	---
	2.0	2.46	---	---	---	1.28	2.46	4.26	0.30	0.66	1.29	1.38	3.01	5.90	95	---	---	---	---	---	---	---
	2.5	3.08	---	---	---	1.33	3.08	4.73	0.32	0.86	1.38	1.46	3.95	6.32	95	---	---	---	---	---	---	---
	3.5	4.31	---	---	---	1.45	4.31	5.31	0.33	1.39	1.68	1.51	6.37	7.68	95	---	---	---	---	---	---	---
	4.2	---	5.18	---	---	1.49	5.18	6.16	0.34	1.63	1.90	1.55	7.45	8.70	95	---	---	---	---	---	---	---
	5.0	---	6.15	---	---	1.86	6.15	7.40	0.43	1.74	2.77	1.95	7.99	12.68	95	---	---	---	---	---	---	---
	6.0	---	7.38	---	---	2.15	7.38	9.00	0.53	2.15	3.11	2.44	9.83	14.23	95	---	---	---	---	---	---	---
	7.1	---	8.74	---	---	2.45	8.74	9.36	0.57	2.71	3.45	2.62	12.43	15.79	95	---	---	---	---	---	---	---
	1.5+1.5	1.85	1.85	---	---	1.45	3.70	7.43	0.41	0.86	1.84	1.89	3.94	8.42	95	4.31	A	A	3.88	3.27	1180	0.22
	1.5+2.0	1.84	2.46	---	---	1.51	4.30	7.81	0.41	1.01	2.00	1.89	4.63	9.15	95	4.26	A	A	3.88	3.27	1178	0.22
	1.5+2.5	1.84	3.06	---	---	1.65	4.90	8.00	0.45	1.17	2.07	2.06	5.36	9.47	95	4.19	A	A	3.89	3.27	1176	0.21
	1.5+3.5	1.83	4.27	---	---	1.94	6.10	8.55	0.52	1.64	2.36	2.37	7.51	10.80	95	3.74	A	A	3.92	3.57	1275	0.33
	1.5+4.2	1.84	5.16	---	---	2.14	7.00	8.90	0.55	1.94	2.58	2.54	8.88	11.81	95	3.62	A	A	3.92	3.57	1273	0.33
	1.5+5.0	1.85	6.15	---	---	2.38	8.00	10.43	0.50	2.11	2.92	2.28	9.66	13.36	95	3.80	A	A+	4.01	4.27	1489	0.63
	1.5+6.0	1.80	7.20	---	---	2.66	9.00	10.63	0.52	2.30	2.68	2.37	10.53	12.27	95	3.92	A	A+	4.03	4.27	1483	0.61
	1.5+7.1	1.67	7.93	---	---	2.96	9.60	10.65	0.55	2.47	2.52	2.50	11.31	11.56	95	3.89	A	A+	4.04	4.27	1477	0.59
	2.0+2.0	2.45	2.45	---	---	1.65	4.90	8.00	0.32	1.16	2.32	1.46	5.31	10.62	95	4.23	A	A	3.87	3.27	1183	0.21
	2.0+2.5	2.44	3.06	---	---	1.80	5.50	8.17	0.35	1.34	2.33	1.59	6.14	10.66	95	4.13	A	A	3.87	3.27	1181	0.21
	2.0+3.5	2.44	4.26	---	---	2.09	6.70	8.72	0.40	1.70	2.44	1.85	7.79	11.17	95	3.95	A	A	3.93	3.57	1271	0.33
	2.0+4.2	2.45	5.15	---	---	2.28	7.60	9.08	0.44	1.98	2.67	2.02	9.07	12.22	95	3.84	A	A	3.93	3.57	1269	0.33
	2.0+5.0	2.43	6.07	---	---	2.52	8.50	10.61	0.52	2.28	3.01	2.37	10.44	13.78	95	3.73	A	A+	4.04	4.27	1479	0.63
	2.0+6.0	2.33	6.98	---	---	2.79	9.30	10.80	0.54	2.42	2.75	2.45	11.08	12.59	95	3.85	A	A+	4.05	4.27	1474	0.61
	2.0+7.1	2.11	7.49	---	---	3.10	9.60	10.90	0.57	2.47	2.66	2.62	11.31	12.17	95	3.90	A	A+	4.07	4.27	1468	0.59
	2.5+2.5	3.05	3.05	---	---	1.94	6.10	8.54	0.39	1.68	2.37	1.76	7.69	10.85	95	3.64	A	A	3.88	3.27	1179	0.21
	2.5+3.5	3.04	4.26	---	---	2.23	7.30	9.10	0.52	2.02	2.67	2.37	9.25	12.22	95	3.62	A	A	3.94	3.57	1268	0.33
	2.5+4.2	3.06	5.14	---	---	2.44	8.20	9.37	0.54	2.28	2.83	2.45	10.44	12.95	95	3.60	B	A	3.95	3.57	1266	0.32
	2.5+5.0	3.00	6.00	---	---	2.66	9.00	10.70	0.54	2.51	3.10	2.45	11.49	14.19	95	3.59	B	A+	4.07	4.27	1468	0.62
	2.5+6.0	2.82	6.78	---	---	2.94	9.60	10.90	0.55	2.63	2.78	2.54	12.04	12.72	95	3.66	A	A+	4.08	4.27	1463	0.61
	2.5+7.1	2.50	7.10	---	---	3.23	9.60	10.90	0.59	2.50	2.70	2.71	11.45	12.36	95	3.85	A	A+	4.10	4.27	1457	0.59
	3.5+3.5	4.25	4.25	---	---	2.52	8.50	9.55	0.55	2.47	2.87	2.54	11.31	13.14	95	3.45	B	A+	4.04	4.27	1478	0.64
	3.5+4.2	4.09	4.91	---	---	2.71	9.00	10.16	0.57	2.69	3.33	2.62	12.32	15.25	95	3.35	C	A+	4.05	4.27	1475	0.63
	3.5+5.0	3.91	5.59	---	---	2.94	9.50	10.92	0.58	2.66	3.14	2.67	12.18	14.37	95	3.58	B	A+	4.04	4.97	1720	0.93
	3.5+6.0	3.54	6.06	---	---	3.21	9.60	11.03	0.57	2.48	2.77	2.62	11.36	12.68	95	3.88	A	A+	4.06	4.97	1714	0.91
	3.5+7.1	3.17	6.43	---	---	3.52	9.60	11.05	0.63	2.42	2.61	2.88	11.08	11.95	95	3.98	A	A+	4.07	4.97	1707	0.90
	4.2+4.2	4.75	4.75	---	---	2.91	9.50	9.98	0.59	2.55	2.58	2.71	11.68	11.82	95	3.73	A	A+	4.06	4.27	1472	0.63
	4.2+5.0	4.38	5.22	---	---	3.13	9.60	10.93	0.60	2.59	3.20	2.75	11.86	14.65	95	3.71	A	A+	4.11	4.97	1693	0.93
	4.2+6.0	3.95	5.65	---	---	3.41	9.60	11.05	0.61	2.39	2.80	2.80	10.94	12.81	95	4.03	A	A+	4.12	4.97	1686	0.91
	4.2+7.1	3.57	6.03	---	---	3.70	9.60	11.07	0.66	2.38	2.60	3.01	10.90	11.90	95	4.05	A	A+	4.14	4.97	1680	0.89
	5.0+5.0	4.80	4.80	---	---	3.35	9.60	11.10	0.63	2.46	3.12	2.88	11.26	14.28	95	3.91	A	A+	4.00	6.23	2177	1.49
	5.0+6.0	4.36	5.24	---	---	3.62	9.60	11.12	0.62	2.35	2.73	2.84	10.76	12.49	95	4.10	A	A+	4.02	6.23	2168	1.47
	5.0+7.1	3.97	5.63	---	---	3.93	9.60	11.14	0.66	2.33	2.57	3.01	10.67	11.76	95	4.13	A	A+	4.03	6.23	2160	1.45
	6.0+6.0	4.80	4.80	---	---	3.90	9.60	11.14	0.63	2.27	2.55	2.88	10.39	11.67	95	4.24	A	A+	4.03	6.23	2164	1.47
	6.0+7.1	4.40	5.20	---	---	4.20	9.60	11.16	0.67	2.26	2.54	3.05	10.35	11.62	95	4.26	A	A+	4.04	6.23	2155	1.45
	7.1+7.1	4.80	4.80	---	---	4.51	9.60	11.20	0.73	2.20	2.59	3.36	10.07	11.86	95	4.37	A	A+	4.04	6.23	2156	1.43
	1.5+1.5+1.5	1.83	1.83	1.83	---	1.80	5.50	9.95	0.40	1.14	2.27	1.85	5.22	10.39	95	4.83	A	A	3.92	4.57	1631	0.73
	1.5+1.5+2.0	1.83	1.83	2.44	---	1.94	6.10	10.13	0.41	1.32	2.35	1.89	6.05	10.76	95	4.64	A	A	3.93	4.57	1626	0.72
	1.5+1.5+2.5	1.83	1.83	3.05	---	2.09	6.70	10.21	0.43	1.49	2.38	1.98	6.82	10.89	95	4.51	A	A	3.94	4.57	1621	0.72
	1.5+1.5+3.5	1.85	1.85	4.31	---	2.38	8.00	10.32	0.47	1.88	2.50	2.15	8.61	11.44	95	4.27	A	A	3.94	5.27	1871	1.02
	1.5+1.5+4.2	1.81	1.81	5.08	---	2.58	8.70	10.32	0.49	2.15	2.50	2.24	9.84	11.44	95	4.06	A	A	3.95	5.27	1865	1.02
	1.5+1.5+5.0	1.74	1.74	5.81	---	2.79	9.30	10.49	0.50	2.21	2.58	2.28	10.12	11.81	95	4.22	A	A+	4.04	6.23	2155	1.43
	1.5+1.5+6.0	1.58	1.58	6.33	---	3.07	9.50	11.14	0.51	2.20	2.61	2.32	10.07	11.95	95	4.33	A	A+	4.08	6.23	2138	1.41
	1.5+1.5+7.1	1.43	1.43	6.75	---	3.38	9.60	11.17	0.54	2.21	2.60	2.45	10.12	11.91	95	4.35	A	A+	4.11	6.23	2122	1.40
	1.5+2.0+2.0	1.83	2.44	2.44	---	2.09	6.70	10.29	0.43	1.49	2.42	1.98	6.82	11.08	95	4.51	A	A	3.93	4.57	1624	0.72
	1.5+2.0+2.5	1.83	2.43	3.04	---	2.23	7.30	10.39	0.45	1.68	2.45	2.06	7.69	11.21	95	4.37	A	A	3.96	4.57	1615	0.72
	1.5+2.0+3.5	1.82	2.43	4.25	---	2.52	8.50	10.48	0.49	2.06	2.59	2.24	9.43	11.85	95	4.14	A	A	3.94	5.27	1869	1.02
	1.5+2.0+4.2	1.75	2.34	4.91	---	2.71	9.00	10.49	0.51	2.22	2.58	2.32	10.17	11.81	95	4.06	A	A	3.96	5.27	1863	1.01
	1.5+2.0+5.0	1.69	2.26	5.65	---	2.94	9.60	10.91	0.52	2.34	2.65	2.37	10.71	12.13	95	4.12	A	A+	4.05	6.23	2153	1.43
	1.5+2.0+6.0	1.52	2.02	6.06	---	3.21	9.60	11.14	0.53	2.22	2.61	2.41	10.17	11.95	95	4.33	A	A+	4.08	6.23	2136	1.41
	1.5+2.0+7.1	1.36	1.81	6.43	---	3.52	9.60	11.17	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.11	6.23	2120	1.39
	1.5+2.5+2.5	1.85	3.08	3.08	---	2.38	8.00	10.50	0.47	1.95	2.45	2.15	8.93	11.21	95	4.11	A	A	3.97	4.57	1610	0.71
	1.5+2.5+3.5	1.80	3.00	4.20	---	2.66	9.00	10.61	0.51	2.22	2.58	2.32	10.17	11.81	95	4.07	A	A	3.97	5.27	1858	1.01
	1.5+2.5+4.2	1.76	2.93	4.92	---	2.86	9.60	10.61	0.53	2.42	2.58	2.41	11.08	11.81	95	3.97	A	A	3.98	5.27	1852	1.01
	1.5+2.5+5.0	1.60	2.67	5.33	---	3.07	9.60	11.03	0.54	2.34	2.65	2.45	10.71	12.13	95	4.12	A	A+	4.07	6.23	2140	1.43
	1.5+2.5+6.0	1.44	2.40	5.76	---	3.35	9.60	11.14	0.55	2.22	2.61	2.50	10.17	11.95	95	4.33	A	A+	4.10	6.23	2124	1.41
	1.5+2.5+7.1	1.30	2.16	6.14	---	3.65	9.60	11.17	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.13	6.23	2108	1.39
	1.5+3.5+3.5	1.69	3.95	3.95	---	2.94	9.60	10.62	0.55	2.38	2.58	2.54	10.90	11.81	95	4.05	A	A+	4.01	6.23	2173	1.44
	1.5+3.5+4.2	1.57	3.65	4.38	---	3.13	9.60	10.77	0.57	2.38	2.73	2.62	10.90	12.48	95	4.05	A	A+	4.01	6.23	2174	1.43

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	1.5+3.5+5.0	1.44	3.36	4.80	---	3.35	9.60	10.96	0.57	2.34	2.60	2.62	10.71	11.90	95	4.12	A	A+	4.05	6.23	2149	1.42
	1.5+3.5+6.0	1.31	3.05	5.24	---	3.62	9.60	11.15	0.58	2.22	2.61	2.67	10.17	11.95	95	4.33	A	A+	4.08	6.23	2133	1.40
	1.5+3.5+7.1	1.19	2.78	5.63	---	3.93	9.60	11.18	0.62	2.21	2.59	2.84	10.12	11.86	95	4.35	A	A+	4.11	6.23	2117	1.38
	1.5+4.2+4.2	1.45	4.07	4.07	---	3.33	9.60	10.78	0.59	2.38	2.73	2.71	10.90	12.48	95	4.05	A	A+	4.01	6.23	2174	1.43
	1.5+4.2+5.0	1.35	3.77	4.49	---	3.54	9.60	11.02	0.62	2.34	2.68	2.84	10.71	12.27	95	4.12	A	A+	4.07	6.23	2142	1.42
	1.5+4.2+6.0	1.23	3.45	4.92	---	3.81	9.60	11.15	0.60	2.22	2.60	2.75	10.17	11.91	95	4.33	A	A+	4.10	6.23	2126	1.40
	1.5+4.2+7.1	1.13	3.15	5.33	---	4.12	9.60	11.19	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A+	4.13	6.23	2111	1.38
	1.5+5.0+5.0	1.25	4.17	4.17	---	3.76	9.60	11.04	0.62	2.25	2.64	2.84	10.30	12.08	95	4.27	A	A+	4.08	6.23	2135	1.41
	1.5+5.0+6.0	1.15	3.84	4.61	---	4.04	9.60	11.28	0.63	2.14	2.61	2.88	9.80	11.95	95	4.50	A	A+	4.11	6.23	2119	1.40
	1.5+5.0+7.1	1.06	3.53	5.01	---	4.35	9.60	11.32	0.67	2.13	2.60	3.05	9.75	11.91	95	4.52	A	A+	4.14	6.23	2104	1.38
	1.5+6.0+6.0	1.07	4.27	4.27	---	4.31	9.60	11.52	0.64	2.07	2.53	2.93	9.48	11.60	95	4.65	A	A+	4.12	6.23	2113	1.39
	2.0+2.0+2.0	2.50	2.50	2.50	---	2.23	7.50	10.47	0.45	1.73	2.49	2.06	7.92	11.40	95	4.34	A	A	3.89	4.57	1644	0.71
	2.0+2.0+2.5	2.46	2.46	3.08	---	2.38	8.00	10.55	0.47	1.87	2.53	2.15	8.56	11.58	95	4.28	A	A	3.90	4.57	1638	0.70
	2.0+2.0+3.5	2.40	2.40	4.20	---	2.66	9.00	10.66	0.51	2.21	2.66	2.32	10.12	12.17	95	4.08	A	A	3.91	5.37	1919	1.04
	2.0+2.0+4.2	2.29	2.29	4.81	---	2.86	9.40	10.66	0.53	2.41	2.62	2.41	11.03	11.99	95	3.91	A	A	3.93	5.37	1913	1.04
	2.0+2.0+5.0	2.13	2.13	5.33	---	3.07	9.60	10.90	0.54	2.38	2.73	2.45	10.90	12.49	95	4.05	A	A+	4.01	6.23	2172	1.41
	2.0+2.0+6.0	1.92	1.92	5.76	---	3.35	9.60	11.14	0.55	2.26	2.61	2.50	10.35	11.95	95	4.25	A	A+	4.04	6.23	2156	1.40
	2.0+2.0+7.1	1.73	1.73	6.14	---	3.65	9.60	11.17	0.58	2.25	2.60	2.67	10.30	11.91	95	4.27	A	A+	4.07	6.23	2140	1.38
	2.0+2.5+2.5	2.43	3.04	3.04	---	2.52	8.50	10.57	0.49	2.10	2.62	2.24	9.62	11.99	95	4.07	A	A	3.93	4.77	1697	0.79
	2.0+2.5+3.5	2.33	2.91	4.07	---	2.79	9.30	10.66	0.53	2.39	2.66	2.41	10.94	12.17	95	3.90	A	A	3.95	5.37	1902	1.04
	2.0+2.5+4.2	2.21	2.76	4.63	---	2.99	9.60	10.67	0.55	2.50	2.64	2.54	11.45	12.08	95	3.85	A	A	3.96	5.37	1896	1.04
	2.0+2.5+5.0	2.02	2.53	5.05	---	3.21	9.60	11.09	0.55	2.34	2.76	2.54	10.71	12.63	95	4.12	A	A+	4.05	6.23	2152	1.41
	2.0+2.5+6.0	1.83	2.29	5.49	---	3.49	9.60	11.14	0.56	2.22	2.61	2.58	10.17	11.95	95	4.33	A	A+	4.08	6.23	2137	1.39
	2.0+2.5+7.1	1.66	2.07	5.88	---	3.79	9.60	11.17	0.60	2.21	2.60	2.75	10.12	11.91	95	4.35	A	A+	4.11	6.23	2121	1.37
	2.0+3.5+3.5	2.13	3.73	3.73	---	3.07	9.60	10.76	0.55	2.38	2.73	2.54	10.90	12.48	95	4.05	A	A+	4.10	6.23	2124	1.42
	2.0+3.5+4.2	1.98	3.46	4.16	---	3.26	9.60	10.77	0.59	2.38	2.73	2.71	10.90	12.48	95	4.05	A	A+	4.11	6.23	2118	1.42
	2.0+3.5+5.0	1.83	3.20	4.57	---	3.49	9.60	11.14	0.59	2.34	2.83	2.71	10.71	12.95	95	4.12	A	A+	4.17	6.23	2088	1.41
	2.0+3.5+6.0	1.67	2.92	5.01	---	3.76	9.60	11.15	0.60	2.22	2.61	2.75	10.17	11.95	95	4.33	A	A+	4.20	6.23	2073	1.39
	2.0+3.5+7.1	1.52	2.67	5.41	---	4.07	9.60	11.18	0.65	2.21	2.59	2.97	10.12	11.86	95	4.35	A	A+	4.23	6.23	2058	1.37
	2.0+4.2+4.2	1.85	3.88	3.88	---	3.46	9.60	10.78	0.61	2.38	2.73	2.80	10.90	12.48	95	4.05	A	A+	4.13	6.23	2111	1.41
	2.0+4.2+5.0	1.71	3.60	4.29	---	3.68	9.60	10.91	0.64	2.34	2.68	2.93	10.71	12.26	95	4.12	A	A+	4.19	6.23	2081	1.40
	2.0+4.2+6.0	1.57	3.30	4.72	---	3.96	9.60	11.15	0.63	2.22	2.60	2.88	10.17	11.91	95	4.33	A	A+	4.22	6.23	2066	1.38
	2.0+4.2+7.1	1.44	3.03	5.12	---	4.26	9.60	11.19	0.69	2.21	2.59	3.14	10.12	11.86	95	4.35	A	A+	4.25	6.23	2052	1.37
	2.0+5.0+5.0	1.60	4.00	4.00	---	3.90	9.60	11.04	0.64	2.25	2.64	2.93	10.30	12.08	95	4.27	A	A+	4.20	6.23	2075	1.40
	2.0+5.0+6.0	1.48	3.69	4.43	---	4.17	9.60	11.28	0.65	2.14	2.61	2.97	9.80	11.95	95	4.50	A	A+	4.23	6.23	2060	1.38
	2.0+5.0+7.1	1.36	3.40	4.83	---	4.48	9.60	11.32	0.70	2.13	2.60	3.18	9.75	11.91	95	4.52	A	A+	4.26	6.23	2046	1.36
	2.0+6.0+6.0	1.37	4.11	4.11	---	4.45	9.60	11.52	0.66	2.07	2.53	3.01	9.48	11.60	95	4.65	A	A+	4.24	6.23	2054	1.38
	2.5+2.5+2.5	3.20	3.20	3.20	---	2.66	9.60	10.70	0.51	2.49	2.65	2.32	11.40	12.13	95	3.86	A	A+	4.04	4.77	1651	0.77
	2.5+2.5+3.5	2.82	2.82	3.95	---	2.94	9.60	10.90	0.55	2.46	2.73	2.54	11.26	12.49	95	3.91	A	A+	4.06	5.37	1850	1.03
	2.5+2.5+4.2	2.61	2.61	4.38	---	3.13	9.60	11.02	0.57	2.44	2.93	2.62	11.17	13.40	95	3.94	A	A+	4.07	5.37	1844	1.02
	2.5+2.5+5.0	2.40	2.40	4.80	---	3.35	9.60	11.10	0.57	2.35	2.79	2.62	10.76	12.77	95	4.10	A	A+	4.15	6.23	2100	1.40
	2.5+2.5+6.0	2.18	2.18	5.24	---	3.62	9.60	11.14	0.58	2.26	2.61	2.67	10.35	11.95	95	4.25	A	A+	4.18	6.23	2084	1.38
	2.5+2.5+7.1	1.98	1.98	5.63	---	3.93	9.60	11.17	0.62	2.26	2.60	2.84	10.35	11.91	95	4.25	A	A+	4.21	6.23	2069	1.36
	2.5+3.5+3.5	2.53	3.54	3.54	---	3.21	9.60	11.03	0.57	2.41	2.73	2.62	11.03	12.49	95	4.00	A	A+	4.10	6.23	2124	1.41
	2.5+3.5+4.2	2.35	3.29	3.95	---	3.41	9.60	11.04	0.61	2.39	2.72	2.80	10.94	12.45	95	4.03	A	A+	4.11	6.23	2118	1.40
	2.5+3.5+5.0	2.18	3.05	4.36	---	3.62	9.60	11.10	0.62	2.30	2.75	2.84	10.53	12.59	95	4.19	A	A+	4.17	6.23	2087	1.39
	2.5+3.5+6.0	2.00	2.80	4.80	---	3.90	9.60	11.15	0.63	2.25	2.61	2.88	10.30	11.95	95	4.27	A	A+	4.20	6.23	2072	1.37
	2.5+3.5+7.1	1.83	2.56	5.20	---	4.20	9.60	11.18	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A+	4.23	6.23	2058	1.35
	2.5+4.2+4.2	2.20	3.70	3.70	---	3.60	9.60	11.04	0.64	2.37	2.72	2.93	10.85	12.45	95	4.06	A	A+	4.13	6.23	2111	1.40
	2.5+4.2+5.0	2.05	3.45	4.10	---	3.81	9.60	11.10	0.66	2.28	2.57	3.01	10.44	11.76	95	4.22	A	A+	4.19	6.23	2081	1.39
	2.5+4.2+6.0	1.89	3.17	4.54	---	4.09	9.60	11.15	0.65	2.24	2.60	2.97	10.26	11.91	95	4.30	A	A+	4.22	6.23	2066	1.37
	2.5+4.2+7.1	1.74	2.92	4.94	---	4.40	9.60	11.19	0.71	2.20	2.59	3.27	10.07	11.86	95	4.38	A	A+	4.25	6.23	2052	1.35
	2.5+5.0+5.0	1.92	3.84	3.84	---	4.04	9.60	11.04	0.67	2.26	2.64	3.05	10.35	12.08	95	4.25	A	A+	4.20	6.23	2074	1.38
	2.5+5.0+6.0	1.78	3.56	4.27	---	4.31	9.60	11.28	0.68	2.18	2.61	3.10	9.98	11.95	95	4.42	A	A+	4.23	6.23	2059	1.37
	2.5+6.0+6.0	1.66	3.97	3.97	---	4.59	9.60	11.52	0.68	2.11	2.53	3.10	9.66	11.60	95	4.57	A	A+	4.27	6.23	2042	1.36
	3.5+3.5+3.5	3.20	3.20	3.20	---	3.49	9.60	11.09	0.61	2.42	2.80	2.80	11.08	12.81	95	3.97	A	A+	4.13	6.23	2107	1.38
	3.5+3.5+4.2	3.00	3.00	3.60	---	3.68	9.60	11.09	0.66	2.40	2.61	3.01	10.99	11.95	95	4.00	A	A+	4.15	6.23	2101	1.38
	3.5+3.5+5.0	2.80	2.80	4.00	---	3.90	9.60	11.10	0.66	2.37	2.57	3.01	10.85	11.76	95	4.06	A	A+	4.21	6.23	2072	1.37
	3.5+3.5+6.0	2.58	2.58	4.43	---	4.17	9.60	11.15	0.67	2.22	2.60	3.05	10.17	11.91	95	4.33	A	A+	4.24	6.23	2057	1.35
	3.5+3.5+7.1	2.38	2.38	4.83	---	4.48	9.60	11.19	0.71	2.21	2.59	3.27	10.12	11.86	95	4.35	A	A+	4.26	6.23	2043	1.33
	3.5+4.2+4.2	2.82	3.39	3.39	---	3.88	9.60	10.80	0.68	2.38	2.72	3.10	10.90	12.43	95	4.05	A	A+	4.16	6.23	2094	1.37
	3.5+4.2+5.0	2.65	3.17	3.78	---	4.09	9.60	10.92	0.71	2.35	2.68	3.23	10.76	12.26	95	4.10	A	A+	4.22	6.23	2065	1.36
	3.5+4.2+6.0	2.45	2.94	4.20	---	4.37	9.60	11.16	0.70	2.21	2.60	3.18	10.12	11.91	95	4.35	A	A+	4.25	6.23	2051	1.34
	3.5+5.0+5.0	2.49	3.56	3.56	---	4.31	9.60	11.06	0.71	2.25	2.64	3.27	10.30	12.08	95	4.27	A	A+	4.27	6.23	2039	1.36
	3.5+5.0+6.0	2.32	3.31	3.97	---	4.59	9.60	11.29	0.72	2.14	2.61	3.31	9.80	11.95	95	4.50	A	A+	4.30	6.23	2025	1.34
	4.2+4.2+4.2	3.20	3.20	3.20	---	4.07	9.60	10.80	0.71	2.36	2.72	3.23	10.81	12.43	95	4.07	A	A+	4.24	6.23	2056	1.37
	4.2+4.2+5.0	3.01	3.01	3.58	---	4.28	9.60	10.93	0.73	2.33	2.68	3.36	10.67	12.26	95	4.13	A	A+	4.30	6.23	2028	1.36

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	4.2+4.2+6.0	2.80	2.80	4.00	---	4.56	9.60	11.17	0.74	2.21	2.60	3.40	10.12	11.91	95	4.35	A	A+	4.33	6.23	2014	1.34
	4.2+5.0+5.0	2.84	3.38	3.38	---	4.51	9.60	11.07	0.76	2.24	2.63	3.48	10.26	12.04	95	4.29	A	A+	4.33	6.23	2014	1.35
	1.5+1.5+1.5+1.5	1.83	1.83	1.83	1.83	2.23	7.30	10.10	0.39	1.61	2.13	1.76	7.37	9.75	95	4.56	A	A+	4.04	6.23	2157	1.40
	1.5+1.5+1.5+2.0	1.85	1.85	1.85	2.46	2.38	8.00	10.28	0.39	1.81	2.20	1.81	8.29	10.07	95	4.43	A	A+	4.04	6.23	2159	1.39
	1.5+1.5+1.5+2.5	1.82	1.82	1.82	3.04	2.52	8.50	10.39	0.41	1.95	2.21	1.89	8.93	10.11	95	4.37	A	A+	4.05	6.23	2151	1.39
	1.5+1.5+1.5+3.5	1.74	1.74	1.74	4.07	2.79	9.30	10.59	0.45	2.13	2.41	2.06	9.75	11.03	95	4.37	A	A+	4.08	6.23	2134	1.38
	1.5+1.5+1.5+4.2	1.66	1.66	1.66	4.63	2.99	9.60	11.16	0.48	2.21	2.60	2.19	10.12	11.91	95	4.35	A	A+	4.10	6.23	2126	1.38
	1.5+1.5+1.5+5.0	1.52	1.52	1.52	5.05	3.21	9.60	11.29	0.49	2.14	2.61	2.24	9.80	11.95	95	4.50	A	A+	4.17	6.23	2089	1.37
	1.5+1.5+1.5+6.0	1.37	1.37	1.37	5.49	3.49	9.60	11.53	0.49	2.06	2.53	2.24	9.43	11.60	95	4.67	A	A+	4.20	6.23	2072	1.36
	1.5+1.5+1.5+7.1	1.24	1.24	1.24	5.88	3.79	9.60	11.56	0.53	2.05	2.52	2.41	9.39	11.56	95	4.69	A	A+	4.24	6.23	2056	1.36
	1.5+1.5+2.0+2.0	1.82	1.82	2.43	2.43	2.52	8.50	10.47	0.41	1.99	2.27	1.89	9.11	10.39	95	4.28	A	A+	4.14	6.23	2106	1.39
	1.5+1.5+2.0+2.5	1.80	1.80	2.40	3.00	2.66	9.00	10.57	0.43	2.14	2.31	1.98	9.80	10.57	95	4.22	A	A+	4.15	6.23	2098	1.38
	1.5+1.5+2.0+3.5	1.69	1.69	2.26	3.95	2.94	9.60	10.67	0.49	2.22	2.30	2.24	10.17	10.53	95	4.33	A	A+	4.18	6.23	2082	1.38
	1.5+1.5+2.0+4.2	1.57	1.57	2.09	4.38	3.13	9.60	11.16	0.50	2.21	2.60	2.28	10.12	11.91	95	4.35	A	A+	4.20	6.23	2075	1.37
	1.5+1.5+2.0+5.0	1.44	1.44	1.92	4.80	3.35	9.60	11.29	0.51	2.14	2.61	2.32	9.80	11.95	95	4.50	A	A+	4.27	6.23	2041	1.36
	1.5+1.5+2.0+6.0	1.31	1.31	1.75	5.24	3.62	9.60	11.53	0.51	2.06	2.53	2.32	9.43	11.60	95	4.67	A	A+	4.30	6.23	2025	1.36
	1.5+1.5+2.0+7.1	1.19	1.19	1.59	5.63	3.93	9.60	11.56	0.55	2.05	2.52	2.50	9.39	11.56	95	4.69	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+2.5+2.5	1.80	1.80	3.00	3.00	2.79	9.60	10.58	0.45	2.21	2.41	2.06	10.12	11.03	95	4.35	A	A+	4.17	6.23	2089	1.38
	1.5+1.5+2.5+3.5	1.60	1.60	2.67	3.73	3.07	9.60	11.15	0.51	2.22	2.60	2.32	10.17	11.91	95	4.33	A	A+	4.20	6.23	2074	1.37
	1.5+1.5+2.5+4.2	1.48	1.48	2.47	4.16	3.26	9.60	11.16	0.52	2.21	2.60	2.37	10.12	11.91	95	4.35	A	A+	4.22	6.23	2066	1.37
	1.5+1.5+2.5+5.0	1.37	1.37	2.29	4.57	3.49	9.60	11.29	0.53	2.14	2.61	2.41	9.80	11.95	95	4.50	A	A+	4.29	6.23	2032	1.36
	1.5+1.5+2.5+6.0	1.25	1.25	2.09	5.01	3.76	9.60	11.53	0.54	2.06	2.53	2.45	9.43	11.60	95	4.67	A	A+	4.32	6.23	2017	1.35
	1.5+1.5+2.5+7.1	1.14	1.14	1.90	5.41	4.07	9.60	11.56	0.58	2.05	2.52	2.67	9.39	11.56	95	4.69	A	A+	4.35	6.23	2001	1.35
	1.5+1.5+3.5+3.5	1.44	1.44	3.36	3.36	3.35	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A+	4.22	6.23	2066	1.37
	1.5+1.5+3.5+4.2	1.35	1.35	3.14	3.77	3.54	9.60	11.17	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.23	6.23	2058	1.37
	1.5+1.5+3.5+5.0	1.25	1.25	2.92	4.17	3.76	9.60	11.29	0.58	2.13	2.60	2.67	9.75	11.91	95	4.52	A	A+	4.30	6.23	2024	1.35
	1.5+1.5+3.5+6.0	1.15	1.15	2.69	4.61	4.04	9.60	11.53	0.57	2.06	2.52	2.62	9.43	11.56	95	4.67	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+3.5+7.1	1.06	1.06	2.47	5.01	4.35	9.60	11.58	0.63	2.05	2.52	2.88	9.39	11.51	95	4.69	A	A+	4.37	6.23	1994	1.35
	1.5+1.5+4.2+4.2	1.26	1.26	3.54	3.54	3.73	9.60	11.18	0.60	2.21	2.59	2.75	10.12	11.86	95	4.35	A	A+	4.25	6.23	2050	1.36
	1.5+1.5+4.2+5.0	1.18	1.18	3.30	3.93	3.96	9.60	11.30	0.60	2.13	2.60	2.75	9.75	11.91	95	4.52	A	A+	4.32	6.23	2017	1.35
	1.5+1.5+4.2+6.0	1.09	1.09	3.05	4.36	4.23	9.60	11.54	0.61	2.06	2.52	2.80	9.43	11.56	95	4.67	A	A+	4.35	6.23	2001	1.35
	1.5+1.5+4.2+7.1	1.01	1.01	2.82	4.77	4.54	9.60	11.58	0.65	2.05	2.52	2.97	9.39	11.51	95	4.69	A	A+	4.39	6.23	1986	1.34
	1.5+1.5+5.0+5.0	1.11	1.11	3.69	3.69	4.17	9.60	11.44	0.63	2.09	2.56	2.88	9.57	11.73	95	4.61	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+5.0+6.0	1.03	1.03	3.43	4.11	4.45	9.60	11.68	0.63	1.97	2.49	2.88	9.02	11.38	95	4.88	A	A+	4.37	6.23	1993	1.34
	1.5+2.0+2.0+2.0	1.90	2.53	2.53	2.53	2.66	9.50	10.66	0.43	2.26	2.35	1.98	10.35	10.76	95	4.21	A	A+	4.10	6.23	2125	1.38
	1.5+2.0+2.0+2.5	1.80	2.40	2.40	3.00	2.79	9.60	10.75	0.45	2.26	2.36	2.06	10.35	10.80	95	4.25	A	A+	4.11	6.23	2122	1.38
	1.5+2.0+2.0+3.5	1.60	2.13	2.13	3.73	3.07	9.60	11.15	0.51	2.25	2.60	2.32	10.30	11.91	95	4.28	A	A+	4.12	6.23	2116	1.37
	1.5+2.0+2.0+4.2	1.48	1.98	1.98	4.16	3.26	9.60	11.16	0.52	2.23	2.60	2.37	10.21	11.91	95	4.31	A	A+	4.12	6.23	2113	1.37
	1.5+2.0+2.0+5.0	1.37	1.83	1.83	4.57	3.49	9.60	11.29	0.53	2.14	2.61	2.41	9.80	11.95	95	4.50	A	A+	4.19	6.23	2078	1.35
	1.5+2.0+2.0+6.0	1.25	1.67	1.67	5.01	3.76	9.60	11.53	0.54	2.06	2.53	2.45	9.43	11.60	95	4.67	A	A+	4.23	6.23	2061	1.35
	1.5+2.0+2.0+7.1	1.14	1.52	1.52	5.41	4.07	9.60	11.56	0.58	2.05	2.52	2.67	9.39	11.56	95	4.69	A	A+	4.26	6.23	2045	1.35
	1.5+2.0+2.5+2.5	1.69	2.26	2.82	2.82	2.94	9.60	10.75	0.49	2.22	2.31	2.24	10.17	10.57	95	4.33	A	A+	4.10	6.23	2128	1.37
	1.5+2.0+2.5+3.5	1.52	2.02	2.53	3.54	3.21	9.60	11.15	0.53	2.22	2.60	2.41	10.17	11.91	95	4.33	A	A+	4.13	6.23	2112	1.37
	1.5+2.0+2.5+4.2	1.41	1.88	2.35	3.95	3.41	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A+	4.14	6.23	2104	1.36
	1.5+2.0+2.5+5.0	1.31	1.75	2.18	4.36	3.62	9.60	11.29	0.56	2.14	2.61	2.58	9.80	11.95	95	4.50	A	A+	4.21	6.23	2069	1.35
	1.5+2.0+2.5+6.0	1.20	1.60	2.00	4.80	3.90	9.60	11.53	0.55	2.06	2.53	2.54	9.43	11.60	95	4.67	A	A+	4.24	6.23	2053	1.35
	1.5+2.0+2.5+7.1	1.10	1.47	1.83	5.20	4.20	9.60	11.56	0.61	2.05	2.52	2.80	9.39	11.56	95	4.69	A	A+	4.28	6.23	2038	1.34
	1.5+2.0+3.5+3.5	1.37	1.83	3.20	3.20	3.49	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.14	6.23	2103	1.36
	1.5+2.0+3.5+4.2	1.29	1.71	3.00	3.60	3.68	9.60	11.17	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.16	6.23	2096	1.36
	1.5+2.0+3.5+5.0	1.20	1.60	2.80	4.00	3.90	9.60	11.29	0.60	2.13	2.60	2.75	9.75	11.91	95	4.52	A	A+	4.23	6.23	2061	1.35
	1.5+2.0+3.5+6.0	1.11	1.48	2.58	4.43	4.17	9.60	11.53	0.61	2.06	2.52	2.80	9.43	11.56	95	4.67	A	A+	4.26	6.23	2045	1.34
	1.5+2.0+3.5+7.1	1.02	1.36	2.38	4.83	4.48	9.60	11.58	0.65	2.05	2.52	2.97	9.39	11.51	95	4.69	A	A+	4.29	6.23	2030	1.34
	1.5+2.0+4.2+4.2	1.21	1.61	3.39	3.39	3.88	9.60	11.18	0.62	2.25	2.59	2.84	10.30	11.86	95	4.27	A	A+	4.17	6.23	2087	1.35
	1.5+2.0+4.2+5.0	1.13	1.51	3.17	3.78	4.09	9.60	11.30	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A+	4.24	6.23	2053	1.34
	1.5+2.0+4.2+6.0	1.05	1.40	2.94	4.20	4.37	9.60	11.54	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A+	4.28	6.23	2037	1.34
	1.5+2.0+5.0+5.0	1.07	1.42	3.56	3.56	4.31	9.60	11.44	0.65	2.09	2.56	2.97	9.57	11.73	95	4.61	A	A+	4.40	6.23	1979	1.34
	1.5+2.0+5.0+6.0	0.99	1.32	3.31	3.97	4.59	9.60	11.68	0.66	1.97	2.49	3.01	9.02	11.38	95	4.88	A	A+	4.44	6.23	1964	1.34
	1.5+2.5+2.5+2.5	1.60	2.67	2.67	2.67	3.07	9.60	11.14	0.51	2.22	2.61	2.32	10.17	11.95	95	4.33	A	A+	4.09	6.23	2129	1.36
	1.5+2.5+2.5+3.5	1.44	2.40	2.40	3.36	3.35	9.60	11.15	0.55	2.22	2.60	2.50	10.17	11.91	95	4.33	A	A+	4.12	6.23	2113	1.35
	1.5+2.5+2.5+4.2	1.35	2.24	2.24	3.77	3.54	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.14	6.23	2105	1.35
	1.5+2.5+2.5+5.0	1.25	2.09	2.09	4.17	3.76	9.60	11.29	0.58	2.14	2.61	2.67	9.80	11.95	95	4.50	A	A+	4.21	6.23	2070	1.34
	1.5+2.5+2.5+6.0	1.15	1.92	1.92	4.61	4.04	9.60	11.53	0.57	2.06	2.53	2.62	9.43	11.60	95	4.67	A	A+	4.24	6.23	2054	1.33
	1.5+2.5+2.5+7.1	1.06	1.76	1.76	5.01	4.35	9.60	11.56	0.63	2.05	2.52	2.88	9.39	11.56	95	4.69	A	A+	4.28	6.23	2038	1.33
	1.5+2.5+3.5+3.5	1.31	2.18	3.05	3.05	3.62	9.60	11.16	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.14	6.23	2104	1.35
	1.5+2.5+3.5+4.2	1.23	2.05	2.87	3.45	3.81	9.60	11.17	0.60	2.24	2.60	2.75	10.26	11.91	95	4.29	A	A+	4.15	6.23	2101	1.34
	1.5+2.5+3.5+5.0	1.15	1.92	2.69	3.84	4.04	9.60	11.29	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A+	4.22	6.23	2066	1.33

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	1.5+2.5+3.5+6.0	1.07	1.78	2.49	4.27	4.31	9.60	11.53	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A+	4.45	6.23	1960	1.33
	1.5+2.5+4.2+4.2	1.16	1.94	3.25	3.25	4.01	9.60	11.18	0.65	2.25	2.59	2.97	10.30	11.86	95	4.28	A	A+	4.15	6.23	2099	1.34
	1.5+2.5+4.2+5.0	1.09	1.82	3.05	3.64	4.23	9.60	11.30	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A+	4.20	6.23	2077	1.33
	1.5+2.5+4.2+6.0	1.01	1.69	2.84	4.06	4.51	9.60	11.54	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A+	4.23	6.23	2061	1.32
	1.5+2.5+5.0+5.0	1.03	1.71	3.43	3.43	4.45	9.60	11.44	0.67	2.09	2.56	3.05	9.57	11.73	95	4.61	A	A+	4.26	6.23	2047	1.32
	1.5+3.5+3.5+3.5	1.20	2.80	2.80	2.80	3.90	9.60	11.17	0.62	2.21	2.60	2.84	10.12	11.91	95	4.35	A	A+	4.23	6.23	2062	1.31
	1.5+3.5+3.5+4.2	1.13	2.65	2.65	3.17	4.09	9.60	11.18	0.65	2.25	2.59	2.97	10.30	11.86	95	4.27	A	A+	4.24	6.23	2054	1.31
	1.5+3.5+3.5+5.0	1.07	2.49	2.49	3.56	4.31	9.60	11.30	0.67	2.13	2.60	3.05	9.75	11.91	95	4.52	A	A+	4.31	6.23	2021	1.30
	1.5+3.5+3.5+6.0	0.99	2.32	2.32	3.97	4.59	9.60	11.54	0.68	2.06	2.52	3.10	9.43	11.56	95	4.67	A	A+	4.35	6.23	2005	1.29
	1.5+3.5+4.2+4.2	1.07	2.51	3.01	3.01	4.28	9.60	11.18	0.69	2.25	2.59	3.14	10.30	11.86	95	4.28	A	A+	4.23	6.23	2058	1.31
	1.5+3.5+4.2+5.0	1.01	2.37	2.84	3.38	4.51	9.60	11.32	0.70	2.16	2.60	3.18	9.89	11.91	95	4.45	A	A+	4.30	6.23	2025	1.29
	1.5+4.2+4.2+4.2	1.02	2.86	2.86	2.86	4.48	9.60	11.19	0.71	2.23	2.59	3.27	10.21	11.86	95	4.32	A	A+	4.30	6.23	2026	1.30
	2.0+2.0+2.0+2.0	2.40	2.40	2.40	2.40	2.79	9.60	10.84	0.45	1.94	2.41	2.06	8.88	11.03	95	4.97	A	A+	4.55	6.23	1915	1.37
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.82	2.94	9.60	10.93	0.49	2.35	2.42	2.24	10.76	11.08	95	4.09	A	A+	4.57	6.23	1908	1.37
	2.0+2.0+2.0+3.5	2.02	2.02	2.02	3.54	3.21	9.60	11.15	0.53	2.22	2.60	2.41	10.17	11.91	95	4.33	A	A++	4.60	6.23	1894	1.36
	2.0+2.0+2.0+4.2	1.88	1.88	1.88	3.95	3.41	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A++	4.62	6.23	1887	1.36
	2.0+2.0+2.0+5.0	1.75	1.75	1.75	4.36	3.62	9.60	11.29	0.56	2.14	2.61	2.58	9.80	11.95	95	4.50	A	A++	4.69	6.23	1857	1.35
	2.0+2.0+2.0+6.0	1.60	1.60	1.60	4.80	3.90	9.60	11.53	0.55	2.06	2.53	2.54	9.43	11.60	95	4.67	A	A++	4.73	6.23	1843	1.34
	2.0+2.0+2.0+7.1	1.47	1.47	1.47	5.20	4.20	9.60	11.56	0.61	2.05	2.52	2.80	9.39	11.56	95	4.69	A	A++	4.77	6.23	1829	1.34
	2.0+2.0+2.5+2.5	2.13	2.13	2.67	2.67	3.07	9.60	11.14	0.51	2.22	2.61	2.32	10.17	11.95	95	4.33	A	A+	4.59	6.23	1900	1.37
	2.0+2.0+2.5+3.5	1.92	1.92	2.40	3.36	3.35	9.60	11.15	0.55	2.22	2.60	2.50	10.17	11.91	95	4.33	A	A++	4.62	6.23	1887	1.36
	2.0+2.0+2.5+4.2	1.79	1.79	2.24	3.77	3.54	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A++	4.64	6.23	1880	1.35
	2.0+2.0+2.5+5.0	1.67	1.67	2.09	4.17	3.76	9.60	11.29	0.58	2.14	2.61	2.67	9.80	11.95	95	4.50	A	A++	4.71	6.23	1850	1.34
	2.0+2.0+2.5+6.0	1.54	1.54	1.92	4.61	4.04	9.60	11.53	0.57	2.06	2.53	2.62	9.43	11.60	95	4.67	A	A++	4.75	6.23	1836	1.34
	2.0+2.0+2.5+7.1	1.41	1.41	1.76	5.01	4.35	9.60	11.56	0.63	2.05	2.52	2.88	9.39	11.56	95	4.69	A	A++	4.78	6.23	1822	1.34
	2.0+2.0+3.5+3.5	1.75	1.75	3.05	3.05	3.62	9.60	11.16	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A++	4.64	6.23	1879	1.35
	2.0+2.0+3.5+4.2	1.64	1.64	2.87	3.45	3.81	9.60	11.17	0.60	2.26	2.60	2.75	10.35	11.91	95	4.25	A	A++	4.65	6.23	1872	1.35
	2.0+2.0+3.5+5.0	1.54	1.54	2.69	3.84	4.04	9.60	11.29	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A++	4.73	6.23	1843	1.34
	2.0+2.0+3.5+6.0	1.42	1.42	2.49	4.27	4.31	9.60	11.53	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A++	4.77	6.23	1829	1.34
	2.0+2.0+4.2+4.2	1.55	1.55	3.25	3.25	4.01	9.60	11.18	0.62	2.25	2.59	2.84	10.30	11.86	95	4.28	A	A++	4.67	6.23	1865	1.35
	2.0+2.0+4.2+5.0	1.45	1.45	3.05	3.64	4.23	9.60	11.30	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A++	4.75	6.23	1835	1.34
	2.0+2.0+4.2+6.0	1.35	1.35	2.84	4.06	4.51	9.60	11.54	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A++	4.78	6.23	1822	1.33
	2.0+2.0+5.0+5.0	1.37	1.37	3.43	3.43	4.45	9.60	11.44	0.68	2.09	2.56	3.10	9.57	11.73	95	4.61	A	A++	4.77	6.23	1828	1.33
	2.0+2.5+2.5+2.5	2.02	2.53	2.53	2.53	3.21	9.60	11.14	0.53	2.22	2.61	2.41	10.17	11.95	95	4.33	A	A++	4.61	6.23	1892	1.35
	2.0+2.5+2.5+3.5	1.83	2.29	2.29	3.20	3.49	9.60	11.15	0.56	2.22	2.60	2.58	10.17	11.91	95	4.33	A	A++	4.64	6.23	1879	1.34
	2.0+2.5+2.5+4.2	1.71	2.14	2.14	3.60	3.68	9.60	11.16	0.58	2.26	2.60	2.67	10.35	11.91	95	4.25	A	A++	4.66	6.23	1872	1.34
	2.0+2.5+2.5+5.0	1.60	2.00	2.00	4.00	3.90	9.60	11.29	0.61	2.18	2.61	2.80	9.98	11.95	95	4.41	A	A++	4.73	6.23	1842	1.33
	2.0+2.5+2.5+6.0	1.48	1.85	1.85	4.43	4.17	9.60	11.53	0.61	2.06	2.53	2.80	9.43	11.60	95	4.67	A	A++	4.77	6.23	1828	1.32
	2.0+2.5+2.5+7.1	1.36	1.70	1.70	4.83	4.48	9.60	11.56	0.65	2.05	2.52	2.97	9.39	11.56	95	4.69	A	A++	4.80	6.23	1815	1.32
	2.0+2.5+3.5+3.5	1.67	2.09	2.92	2.92	3.76	9.60	11.16	0.60	2.25	2.60	2.75	10.30	11.91	95	4.27	A	A++	4.66	6.23	1871	1.34
	2.0+2.5+3.5+4.2	1.57	1.97	2.75	3.30	3.96	9.60	11.17	0.62	2.24	2.60	2.84	10.26	11.91	95	4.29	A	A++	4.67	6.23	1864	1.34
	2.0+2.5+3.5+5.0	1.48	1.85	2.58	3.69	4.17	9.60	11.29	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A++	4.75	6.23	1835	1.32
	2.0+2.5+3.5+6.0	1.37	1.71	2.40	4.11	4.45	9.60	11.53	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A++	4.79	6.23	1821	1.32
	2.0+2.5+4.2+4.2	1.49	1.86	3.13	3.13	4.15	9.60	11.18	0.65	2.23	2.59	2.97	10.21	11.86	95	4.32	A	A++	4.69	6.23	1857	1.33
	2.0+2.5+4.2+5.0	1.40	1.75	2.94	3.50	4.37	9.60	11.30	0.67	2.15	2.60	3.05	9.84	11.91	95	4.48	A	A++	4.77	6.23	1828	1.32
	2.0+2.5+5.0+5.0	1.32	1.66	3.31	3.31	4.59	9.60	11.44	0.70	2.12	2.56	3.18	9.71	11.73	95	4.53	A	A++	4.79	6.23	1821	1.32
	2.0+3.5+3.5+3.5	1.54	2.69	2.69	2.69	4.04	9.60	11.17	0.65	2.11	2.60	2.97	9.66	11.91	95	4.55	A	A++	4.66	6.23	1869	1.31
	2.0+3.5+3.5+4.2	1.45	2.55	2.55	3.05	4.23	9.60	11.18	0.67	2.25	2.59	3.05	10.30	11.86	95	4.28	A	A++	4.68	6.23	1862	1.30
	2.0+3.5+3.5+5.0	1.37	2.40	2.40	3.43	4.45	9.60	11.30	0.70	2.16	2.60	3.18	9.89	11.91	95	4.45	A	A++	4.76	6.23	1833	1.29
	2.0+3.5+4.2+4.2	1.38	2.42	2.90	2.90	4.43	9.60	11.18	0.71	2.23	2.59	3.27	10.21	11.86	95	4.32	A	A++	4.70	6.23	1855	1.30
	2.5+2.5+2.5+2.5	2.40	2.40	2.40	2.40	3.35	9.60	11.14	0.55	2.22	2.61	2.50	10.17	11.95	95	4.33	A	A++	4.62	6.23	1884	1.34
	2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.05	3.62	9.60	11.15	0.58	2.26	2.60	2.67	10.35	11.91	95	4.25	A	A++	4.66	6.23	1871	1.34
	2.5+2.5+2.5+4.2	2.05	2.05	2.05	3.45	3.81	9.60	11.16	0.60	2.25	2.60	2.75	10.30	11.91	95	4.28	A	A++	4.68	6.23	1864	1.33
	2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	4.04	9.60	11.29	0.63	2.16	2.61	2.88	9.89	11.95	95	4.45	A	A++	4.75	6.23	1835	1.32
	2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.27	4.31	9.60	11.53	0.64	2.06	2.53	2.93	9.43	11.60	95	4.67	A	A++	4.79	6.23	1821	1.32
	2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	3.90	9.60	11.16	0.63	2.25	2.60	2.88	10.30	11.91	95	4.28	A	A++	4.68	6.23	1863	1.33
	2.5+2.5+3.5+4.2	1.89	1.89	2.65	3.17	4.09	9.60	11.17	0.65	2.23	2.60	2.97	10.21	11.91	95	4.32	A	A++	4.69	6.23	1857	1.33
	2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.56	4.31	9.60	11.29	0.67	2.15	2.60	3.05	9.84	11.91	95	4.48	A	A++	4.77	6.23	1828	1.32
	2.5+2.5+3.5+6.0	1.66	1.66	2.32	3.97	4.59	9.60	11.53	0.68	2.06	2.52	3.10	9.43	11.56	95	4.67	A	A++	4.80	6.23	1814	1.31
	2.5+2.5+4.2+4.2	1.79	1.79	3.01	3.01	4.28	9.60	11.18	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A++	4.71	6.23	1850	1.32
	2.5+2.5+4.2+5.0	1.69	1.69	2.84	3.38	4.51	9.60	11.30	0.71	2.13	2.60	3.27	9.75	11.91	95	4.51	A	A++	4.79	6.23	1821	1.31
	2.5+3.5+3.5+3.5	1.85	2.58	2.58	2.58	4.17	9.60	11.17	0.67	2.25	2.60	3.05	10.30	11.91	95	4.28	A	A++	4.68	6.23	1861	1.30
	2.5+3.5+3.5+4.2	1.75	2.45	2.45	2.94	4.37	9.60	11.18	0.70	2.23	2.59	3.18	10.21	11.86	95	4.32	A	A++	4.70	6.23	1855	1.29
	2.5+3.5+3.5+5.0	1.66	2.32	2.32	3.31	4.59	9.60	11.30	0.71	2.15	2.60	3.27	9.84	11.91	95	4.48	A	A++	4.77	6.23	1826	1.28
	2.5+3.5+4.2+4.2	1.67	2.33	2.80	2.80	4.56	9.60	11.18	0.73	2.21	2.59	3.36	10.12	11.86	95	4.35	A	A++	4.72	6.23	1847	1.29
	3.5+3.5+3.5+3.5	2.40	2.40	2.40	2.40	4.45	9.60	11.18	0.71	2.19	2.59	3.27	10.03	11.86	95	4.40	A	A++	4.75	6.23	1835	1.29

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5	1.80	---	---	---	---	1.78	1.80	2.98	0.43	0.48	0.93	1.95	2.20	4.26	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	---	1.86	2.00	3.09	0.44	0.56	0.99	2.00	2.57	4.53	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	---	1.98	2.50	3.61	0.48	0.71	1.14	2.18	3.25	5.24	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	---	2.03	3.50	4.92	0.50	1.14	1.43	2.31	5.22	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	---	---	2.06	4.20	5.06	0.51	1.46	1.54	2.35	6.69	7.06	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	---	---	2.20	5.00	5.94	0.48	1.52	1.74	2.18	6.96	7.95	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	---	---	2.31	6.00	6.73	0.49	1.89	2.17	2.22	8.65	9.94	95	---	---	---	---	---	---	---
	7.1	---	---	7.10	---	---	2.43	7.10	7.53	0.51	2.57	2.66	2.35	11.77	12.16	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	---	---	2.01	3.00	4.11	0.42	0.51	1.01	1.94	2.34	4.64	95	5.92	A	255	A++	7.08	3.0	149
	1.5+2.0	1.50	2.00	---	---	---	2.03	3.50	4.59	0.46	0.63	1.19	2.11	2.89	5.46	95	5.62	A	315	A++	7.22	3.5	170
	1.5+2.5	1.50	2.50	---	---	---	2.09	4.00	5.06	0.42	0.76	1.23	1.94	3.48	5.62	95	5.32	A	380	A++	7.31	4.0	192
	1.5+3.5	1.50	3.50	---	---	---	2.20	5.00	5.94	0.42	1.03	1.59	1.94	4.72	7.29	95	4.87	A	515	A++	7.45	5.0	235
	1.5+4.2	1.50	---	4.20	---	---	2.27	5.70	6.50	0.42	1.28	1.86	1.94	5.86	8.51	95	4.47	A	640	A++	7.45	5.7	268
	1.5+5.0	1.50	---	5.00	---	---	2.36	6.50	7.11	0.46	1.53	2.15	2.11	7.01	9.86	95	4.27	A	765	A++	7.51	6.5	303
	1.5+6.0	1.50	---	6.00	---	---	2.48	7.50	7.79	0.50	1.89	2.29	2.27	8.65	10.47	95	3.97	A	945	A++	7.45	7.5	352
	1.5+7.1	1.50	---	7.10	---	---	2.64	8.60	8.46	0.52	2.28	2.67	2.40	10.44	12.22	95	3.77	A	1140	A++	7.43	8.6	406
	2.0+2.0	2.00	2.00	---	---	---	2.09	4.00	5.41	0.46	0.75	1.59	2.11	3.44	7.29	95	5.34	A	375	A++	7.30	4.0	192
	2.0+2.5	2.00	2.50	---	---	---	2.14	4.50	5.84	0.46	0.91	1.59	2.11	4.17	7.29	95	4.99	A	455	A++	7.35	4.5	215
	2.0+3.5	2.00	3.50	---	---	---	2.25	5.50	6.49	0.46	1.18	1.86	2.11	5.41	8.51	95	4.67	A	590	A++	7.49	5.5	257
	2.0+4.2	2.00	---	4.20	---	---	2.33	6.20	6.89	0.46	1.43	2.09	2.11	6.55	9.57	95	4.35	A	715	A++	7.50	6.2	290
	2.0+5.0	2.00	---	5.00	---	---	2.42	7.00	7.46	0.46	1.66	2.31	2.11	7.60	10.55	95	4.22	A	830	A++	7.52	7.0	326
	2.0+6.0	1.88	---	5.63	---	---	2.55	7.50	8.12	0.50	1.85	2.50	2.27	8.47	11.45	95	4.05	A	925	A++	7.48	7.5	351
	2.0+7.1	1.76	---	6.24	---	---	2.71	8.00	8.64	0.52	2.00	2.79	2.40	9.16	12.75	95	4.01	A	1000	A++	7.49	8.0	374
	2.5+2.5	2.50	2.50	---	---	---	2.20	5.00	6.32	0.42	1.02	1.77	1.94	4.67	8.11	95	4.92	A	510	A++	7.46	5.0	235
	2.5+3.5	2.50	3.50	---	---	---	2.31	6.00	6.73	0.46	1.40	2.00	2.11	6.41	9.16	95	4.31	A	700	A++	7.48	6.0	281
	2.5+4.2	2.50	---	4.20	---	---	2.39	6.70	7.25	0.46	1.58	2.29	2.11	7.24	10.47	95	4.26	A	790	A++	7.55	6.7	311
	2.5+5.0	2.50	---	5.00	---	---	2.48	7.50	7.79	0.49	1.85	2.51	2.23	8.47	11.49	95	4.05	A	925	A++	7.46	7.5	352
	2.5+6.0	2.35	---	5.65	---	---	2.63	8.00	8.42	0.52	2.00	2.67	2.40	9.16	12.22	95	4.01	A	1000	A++	7.49	8.0	374
	2.5+7.1	2.21	---	6.29	---	---	2.79	8.50	8.64	0.55	2.17	2.79	2.53	9.94	12.75	95	3.93	A	1085	A++	7.47	8.5	398
	3.5+3.5	3.50	3.50	---	---	---	2.42	7.00	7.46	0.49	1.66	2.39	2.23	7.60	10.96	95	4.22	A	830	A++	7.53	7.0	326
	3.5+4.2	3.50	---	4.20	---	---	2.51	7.70	7.81	0.49	1.92	2.60	2.23	8.79	11.89	95	4.02	A	960	A++	7.48	7.7	360
	3.5+5.0	3.29	---	4.71	---	---	2.63	8.00	7.99	0.52	1.99	2.62	2.40	9.11	11.98	95	4.03	A	995	A++	7.46	8.0	375
	3.5+6.0	2.95	---	5.05	---	---	2.77	8.00	8.62	0.55	1.96	2.79	2.53	8.98	12.75	95	4.08	A	980	A++	7.47	8.0	375
	3.5+7.1	2.97	---	6.03	---	---	2.93	9.00	8.64	0.59	2.41	2.79	2.69	11.03	12.75	95	3.73	A	1205	A++	7.35	9.0	429
	4.2+4.2	4.00	---	4.00	---	---	2.61	8.00	7.82	0.52	2.07	2.60	2.36	9.48	11.89	95	3.87	A	1035	A++	7.42	8.0	377
	4.2+5.0	3.65	---	4.35	---	---	2.73	8.00	8.17	0.55	2.02	2.73	2.53	9.25	12.50	95	3.97	A	1010	A++	7.41	8.0	378
	4.2+6.0	3.50	---	5.00	---	---	2.88	8.50	8.63	0.55	2.21	2.79	2.53	10.12	12.75	95	3.85	A	1105	A++	7.38	8.5	404
	4.2+7.1	3.35	---	5.65	---	---	3.04	9.00	8.83	0.59	2.41	2.90	2.69	11.03	13.28	95	3.74	A	1205	A++	7.35	9.0	429
	5.0+5.0	4.25	---	4.25	---	---	2.85	8.50	8.34	0.55	2.10	2.84	2.53	9.62	12.99	95	4.05	A	1050	A++	7.49	8.5	397
	5.0+6.0	4.09	---	4.91	---	---	2.99	9.00	8.81	0.59	2.20	2.89	2.69	10.07	13.24	95	4.10	A	1100	A++	7.54	9.0	418
	5.0+7.1	3.72	---	5.28	---	---	3.16	9.00	9.06	0.62	2.17	3.02	2.82	9.94	13.81	95	4.15	A	1085	A++	7.55	9.0	417
	6.0+6.0	4.50	---	4.50	---	---	3.14	9.00	9.46	0.59	2.19	2.99	2.69	10.03	13.69	95	4.12	A	1095	A++	7.55	9.0	418
	6.0+7.1	4.12	---	4.88	---	---	3.30	9.00	9.48	0.63	2.16	2.99	2.86	9.89	13.69	95	4.17	A	1080	A++	7.56	9.0	417
	7.1+7.1	4.50	---	4.50	---	---	3.46	9.00	9.50	0.65	2.16	2.99	2.99	9.89	13.69	95	4.17	A	1080	A++	7.56	9.0	417
	1.5+1.5+1.5	1.50	1.50	1.50	---	---	2.14	4.50	5.51	0.43	0.83	1.24	1.98	3.80	5.66	95	5.42	A	415	A++	8.03	4.5	197
	1.5+1.5+2.0	1.50	1.50	2.00	---	---	2.20	5.00	5.94	0.43	0.96	1.40	1.98	4.40	6.39	95	5.24	A	480	A++	8.10	5.0	217
	1.5+1.5+2.5	1.50	1.50	2.50	---	---	2.25	5.50	6.34	0.43	1.09	1.57	1.98	4.99	7.17	95	5.06	A	545	A++	8.32	5.5	232
	1.5+1.5+3.5	1.50	1.50	3.50	---	---	2.36	6.50	7.11	0.46	1.38	1.93	2.11	6.32	8.84	95	4.71	A	690	A++	8.33	6.5	273
	1.5+1.5+4.2	1.50	1.50	4.20	---	---	2.44	7.20	7.60	0.46	1.61	2.18	2.11	7.37	9.98	95	4.49	A	805	A++	8.29	7.2	304
	1.5+1.5+5.0	1.41	1.41	4.69	---	---	2.55	7.50	8.12	0.50	1.75	2.41	2.27	8.01	11.04	95	4.30	A	875	A++	8.22	7.5	320
	1.5+1.5+6.0	1.33	1.33	5.33	---	---	2.70	8.00	8.70	0.53	1.96	2.51	2.44	8.98	11.49	95	4.08	A	980	A++	8.16	8.0	344
	1.5+1.5+7.1	1.26	1.26	5.98	---	---	2.86	8.50	9.25	0.56	2.20	2.87	2.57	10.07	13.12	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+2.0+2.0	1.50	2.00	2.00	---	---	2.25	5.50	6.34	0.46	1.09	1.57	2.11	4.99	7.17	95	5.08	A	545	A++	8.30	5.5	232
	1.5+2.0+2.5	1.50	2.00	2.50	---	---	2.31	6.00	6.73	0.43	1.23	1.74	1.98	5.63	7.98	95	4.90	A	615	A++	8.30	6.0	253
	1.5+2.0+3.5	1.50	2.00	3.50	---	---	2.42	7.00	7.46	0.46	1.52	2.14	2.11	6.96	9.78	95	4.62	A	760	A++	8.32	7.0	295
	1.5+2.0+4.2	1.50	2.00	4.20	---	---	2.51	7.70	7.93	0.50	1.83	2.39	2.27	8.38	10.96	95	4.22	A	915	A++	8.23	7.7	328
	1.5+2.0+5.0	1.41	1.88	4.71	---	---	2.63	8.00	8.42	0.50	1.95	2.57	2.27	8.93	11.77	95	4.10	A	975	A++	8.14	8.0	344
	1.5+2.0+6.0	1.26	1.68	5.05	---	---	2.77	8.00	8.96	0.53	1.94	2.68	2.44	8.88	12.26	95	4.12	A	970	A++	8.14	8.0	344
	1.5+2.0+7.1	1.27	1.70	6.03	---	---	2.93	9.00	9.30	0.56	2.39	2.87	2.57	10.94	13.12	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+2.5+2.5	1.50	2.50	2.50	---	---	2.36	6.50	7.11	0.46	1.39	1.93	2.11	6.37	8.84	95	4.70	A	695	A++	8.30	6.5	275
	1.5+2.5+3.5	1.50	2.50	3.50	---	---	2.48	7.50	7.79	0.50	1.72	2.29	2.27	7.88	10.47	95	4.37	A	860	A++	8.28	7.5	317
	1.5+2.5+4.2	1.46	2.44	4.10	---	---	2.58	8.00	8.24	0.50	1.99	2.56	2.27	9.11	11.73	95	4.02	A	995	A++	8.11	8.0	345
	1.5+2.5+5.0	1.33	2.22	4.44	---	---	2.70	8.00	8.70	0.52	1.95	2.75	2.40	8.93	12.59	95	4.10	A	975	A++	8.14	8.0	344
	1.5+2.5+6.0	1.28	2.13	5.10	---	---	2.85	8.50	9.21	0.53	2.20	2.87	2.44	10.07	13.12	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+2.5+7.1	1.22	2.03	5.76	---	---	3.01	9.00	9.49	0.56	2.39	2.99	2.57	10.94	13.69	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+3.5+3.5	1.41	3.29	3.29	---	---	2.63	8.00	8.42	0.52	2.00	2.67	2.40	9.16	12.22	95	4.00	A	1000	A++	8.11	8.0	346
	1.5+3.5+4.2	1.30	3.04	3.65	---	---	2.73	8.00	8.65	0.52	1.99	2.79	2.40	9.11	12.75	95	4.02	A	995	A++	8.10	8.0	346
	1.5+3.5+5.0	1.28	2.98	4.25	---	---	2.85	8.50	8.83	0.56	2.20	2.81	2.57	10.07	12.87	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+3.5+6.0	1.23	2.86	4.91	---	---	2.99	9.00	9.29	0.56	2.39	2.87	2.57	10.94	13.12	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+3.5+7.1	1.12	2.60	5.28	---	---	3.16	9.00	9.50	0.59	2.36	2.99	2.69	10.81	13.69	95	3.82	A	1180	A++	8.05	9.0	392
	1.5+4.2+4.2	1.50	---	4.20	4.20	---	2.83	9.90	8.66	0.55	2.45	2.79	2.53	11.22	12.75	95	4.04	A	1225	A++	8.26	9.9	419
	1.5+4.2+5.0	1.26	---	3.53	4.21	---	2.95	9.00	8.84	0.56	2.18	2.81	2.57	9.98	12.87	95	4.14	A	1090	A++	8.18	9.0	385
	1.5+4.2+6.0	1.15	---	3.23	4.62	---	3.10	9.00	9.49	0.59	2.15	2.99	2.69	9.84	13.69	95	4.19	A	1075	A++	8.19	9.0	385
	1.5+4.2+7.1	1.05	---	2.95	4.99	---	3.26	9.00	9.51	0.63	2.13	2.99	2.86	9.75	13.69	95	4.24	A	1065	A++	8.20	9.0	384
	1.5+5.0+5.0	1.17	---	3.91	3.91	---	3.07	9.00	9.20	0.59	2.04	2.95	2.69	9.34	13.52	95	4.42	A	1020	A++	8.21	9.0	384
	1.5+5.0+6.0	1.08	---	3.60	4.32	---	3.21	9.00	9.66	0.59	2.03	3.02	2.69	9.30	13.81	95	4.44	A	1015	A++	8.22	9.0	384
	1.5+5.0+7.1	0.99	---	3.31	4.70	---	3.38	9.00	9.68	0.63	2.01	3.02	2.86	9.20	13.81	95	4.49	A	1005	A++	8.22	9.0	383
	1.5+6.0+6.0	1.00	---	4.00	4.00	---	3.36	9.00	10.13	0.63	2.02	3.08	2.86	9.25	14.09	95	4.46	A	1010	A++	8.22	9.0	383
	1.5+6.0+7.1	1.19	---	3.58	4.23	---	3.51	9.00	10.15	0.65	2.00	3.08	2.99	9.16	14.09	95	4.51	A	1000	A++	8.23	9.0	383
	2.0+2.0+2.0	2.00	2.00	2.00	---	---	2.31	6.00	6.76	0.46	1.23	1.74	2.11	5.63	7.98	95	4.90	A	615	A++	8.30	6.0	253

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	2.0+2.0+2.5	2.00	2.00	2.50	---	---	2.36	6.50	7.11	0.46	1.39	1.93	2.11	6.37	8.84	95	4.70	A	695	A++	8.30	6.5	275
	2.0+2.0+3.5	2.00	2.00	3.50	---	---	2.48	7.50	7.79	0.50	1.72	2.29	2.27	7.88	10.47	95	4.37	A	860	A++	8.28	7.5	317
	2.0+2.0+4.2	2.00	2.00	4.20	---	---	2.58	8.20	8.24	0.50	2.04	2.56	2.27	9.34	11.73	95	4.02	A	1020	A++	8.13	8.2	353
	2.0+2.0+5.0	1.78	1.78	4.44	---	---	2.70	8.00	8.70	0.52	1.95	2.75	2.40	8.93	12.59	95	4.10	A	975	A++	8.14	8.0	344
	2.0+2.0+6.0	1.70	1.70	5.10	---	---	2.85	8.50	9.21	0.53	2.20	2.87	2.44	10.07	13.12	95	3.86	A	1100	A++	8.08	8.5	368
	2.0+2.0+7.1	1.62	1.62	5.76	---	---	3.01	9.00	9.49	0.56	2.36	2.99	2.57	10.81	13.69	95	3.82	A	1180	A++	8.04	9.0	392
	2.0+2.5+2.5	2.00	2.50	2.50	---	---	2.42	7.00	7.46	0.46	1.52	2.14	2.11	6.96	9.78	95	4.62	A	760	A++	8.32	7.0	295
	2.0+2.5+3.5	1.88	2.34	3.28	---	---	2.55	7.50	8.12	0.50	1.72	2.50	2.27	7.88	11.45	95	4.38	A	860	A++	8.28	7.5	317
	2.0+2.5+4.2	1.84	2.30	3.86	---	---	2.66	8.00	8.53	0.52	1.99	2.73	2.40	9.11	12.50	95	4.03	A	995	A++	8.11	8.0	345
	2.0+2.5+5.0	1.68	2.11	4.21	---	---	2.77	8.00	8.82	0.52	1.95	2.80	2.40	8.93	12.83	95	4.11	A	975	A++	8.14	8.0	344
	2.0+2.5+6.0	1.66	2.07	4.97	---	---	2.92	8.70	9.28	0.56	2.29	2.87	2.57	10.49	13.12	95	3.80	A	1145	A++	8.05	8.7	378
	2.0+2.5+7.1	1.55	1.94	5.51	---	---	3.08	9.00	9.49	0.59	2.35	2.99	2.69	10.76	13.69	95	3.83	A	1175	A++	8.05	9.0	392
	2.0+3.5+3.5	1.78	3.11	3.11	---	---	2.70	8.00	8.64	0.52	1.98	2.79	2.40	9.07	12.75	95	4.04	A	990	A++	8.12	8.0	345
	2.0+3.5+4.2	1.75	3.07	3.68	---	---	2.80	8.50	8.65	0.55	2.17	2.79	2.53	9.94	12.75	95	3.93	A	1085	A++	8.07	8.5	369
	2.0+3.5+5.0	1.66	2.90	4.14	---	---	2.92	8.70	8.83	0.56	2.28	2.81	2.57	10.44	12.87	95	3.82	A	1140	A++	8.04	8.7	379
	2.0+3.5+6.0	1.57	2.74	4.70	---	---	3.07	9.00	9.48	0.59	2.35	2.99	2.69	10.76	13.69	95	3.83	A	1175	A++	8.05	9.0	392
	2.0+3.5+7.1	1.43	2.50	5.07	---	---	3.23	9.00	9.50	0.63	2.32	2.99	2.86	10.62	13.69	95	3.88	A	1160	A++	8.06	9.0	391
	2.0+4.2+4.2	1.67	---	3.51	3.51	---	2.91	8.70	8.66	0.55	2.24	2.79	2.53	10.26	12.75	95	3.89	A	1120	A++	8.06	8.7	378
	2.0+4.2+5.0	1.61	---	3.38	4.02	---	3.02	9.00	9.02	0.59	2.36	2.93	2.69	10.81	13.40	95	3.81	A	1180	A++	8.03	9.0	392
	2.0+4.2+6.0	1.48	---	3.10	4.43	---	3.17	9.00	9.49	0.59	2.33	2.99	2.69	10.67	13.69	95	3.86	A	1165	A++	8.05	9.0	392
	2.0+4.2+7.1	1.35	---	2.84	4.80	---	3.33	9.00	9.51	0.63	2.30	2.99	2.86	10.53	13.69	95	3.91	A	1150	A++	8.06	9.0	391
	2.0+5.0+5.0	1.50	---	3.75	3.75	---	3.14	9.00	9.20	0.59	2.22	2.95	2.69	10.17	13.52	95	4.06	A	1110	A++	8.09	9.0	390
	2.0+5.0+6.0	1.38	---	3.46	4.15	---	3.29	9.00	9.66	0.63	2.19	3.02	2.86	10.03	13.81	95	4.11	A	1095	A++	8.10	9.0	389
	2.0+5.0+7.1	1.28	---	3.19	4.53	---	3.45	9.00	9.68	0.65	2.17	3.02	2.99	9.94	13.81	95	4.16	A	1085	A++	8.11	9.0	388
	2.0+6.0+6.0	1.29	---	3.86	3.86	---	3.43	9.00	10.13	0.63	2.18	3.08	2.86	9.98	14.09	95	4.13	A	1090	A++	8.11	9.0	389
	2.0+6.0+7.1	1.19	---	3.58	4.23	---	3.59	9.00	10.61	0.65	2.16	3.56	2.99	9.89	16.29	95	4.18	A	1080	A++	8.12	9.0	388
	2.5+2.5+2.5	2.50	2.50	2.50	---	---	2.48	7.50	7.79	0.50	1.71	2.29	2.27	7.83	10.47	95	4.39	A	855	A++	8.28	7.5	317
	2.5+2.5+3.5	2.35	2.35	3.29	---	---	2.63	8.00	8.42	0.52	1.98	2.67	2.40	9.07	12.22	95	4.05	A	990	A++	8.13	8.0	345
	2.5+2.5+4.2	2.17	2.17	3.65	---	---	2.73	8.00	8.64	0.52	1.97	2.79	2.40	9.02	12.75	95	4.07	A	985	A++	8.14	8.0	344
	2.5+2.5+5.0	2.13	2.13	4.25	---	---	2.85	8.50	8.82	0.56	2.20	2.80	2.57	10.07	12.83	95	3.87	A	1100	A++	8.07	8.5	369
	2.5+2.5+6.0	2.05	2.05	4.91	---	---	2.99	9.00	9.28	0.56	2.35	2.87	2.57	10.76	13.12	95	3.83	A	1175	A++	8.05	9.0	391
	2.5+2.5+7.1	1.86	1.86	5.28	---	---	3.16	9.00	9.49	0.59	2.32	2.99	2.69	10.62	13.69	95	3.88	A	1160	A++	8.07	9.0	391
	2.5+3.5+3.5	2.11	2.95	2.95	---	---	2.77	8.00	8.64	0.55	1.96	2.79	2.53	8.98	12.75	95	4.08	A	980	A++	8.14	8.0	344
	2.5+3.5+4.2	2.08	2.92	3.50	---	---	2.88	8.50	8.65	0.55	2.19	2.79	2.53	10.03	12.75	95	3.88	A	1095	A++	8.09	8.5	368
	2.5+3.5+5.0	2.05	2.86	4.09	---	---	2.99	9.00	8.83	0.59	2.33	2.81	2.69	10.67	12.87	95	3.87	A	1165	A++	8.05	9.0	392
	2.5+3.5+6.0	1.88	2.63	4.50	---	---	3.14	9.00	9.48	0.59	2.30	2.99	2.69	10.53	13.69	95	3.92	A	1150	A++	8.06	9.0	391
	2.5+3.5+7.1	1.72	2.40	4.88	---	---	3.30	9.00	9.50	0.63	2.27	2.99	2.86	10.39	13.69	95	3.97	A	1135	A++	8.07	9.0	390
	2.5+4.2+4.2	2.06	---	3.47	3.47	---	2.98	9.00	8.61	0.59	2.41	2.79	2.69	11.03	12.75	95	3.74	A	1205	A++	8.01	9.0	394
	2.5+4.2+5.0	1.92	---	3.23	3.85	---	3.10	9.00	9.02	0.59	2.35	2.93	2.69	10.76	13.40	95	3.84	A	1175	A++	7.99	9.0	394
	2.5+4.2+6.0	1.77	---	2.98	4.25	---	3.24	9.00	9.49	0.63	2.32	2.99	2.86	10.62	13.69	95	3.89	A	1160	A++	8.01	9.0	394
	2.5+4.2+7.1	1.63	---	2.74	4.63	---	3.41	9.00	9.51	0.65	2.29	2.99	2.99	10.49	13.69	95	3.94	A	1145	A++	8.02	9.0	393
	2.5+5.0+5.0	1.80	---	3.60	3.60	---	3.21	9.00	9.20	0.62	2.21	3.00	2.82	10.12	13.73	95	4.08	A	1105	A++	8.10	9.0	389
	2.5+5.0+6.0	1.67	---	3.33	4.00	---	3.36	9.00	9.66	0.63	2.18	3.02	2.86	9.98	13.81	95	4.13	A	1090	A++	8.11	9.0	388
	2.5+5.0+7.1	1.54	---	3.08	4.38	---	3.51	9.00	9.68	0.65	2.16	3.02	2.99	9.89	13.81	95	4.18	A	1080	A++	8.12	9.0	388
	2.5+6.0+6.0	1.55	---	3.72	3.72	---	3.50	9.00	10.13	0.65	2.17	3.08	2.99	9.94	14.09	95	4.15	A	1085	A++	8.12	9.0	388
	2.5+6.0+7.1	1.44	---	3.46	4.10	---	3.66	9.00	10.61	0.65	2.15	3.56	2.99	9.84	16.29	95	4.20	A	1075	A++	8.13	9.0	388
	3.5+3.5+3.5	2.90	2.90	2.90	---	---	2.92	8.70	8.77	0.59	2.23	2.90	2.69	10.21	13.28	95	3.91	A	1115	A++	8.05	8.7	378
	3.5+3.5+4.2	2.81	2.81	3.38	---	---	3.02	9.00	8.83	0.59	2.40	2.90	2.69	10.99	13.28	95	3.76	A	1200	A++	7.98	9.0	395
	3.5+3.5+5.0	2.63	2.63	3.75	---	---	3.14	9.00	9.02	0.62	2.33	2.95	2.82	10.67	13.52	95	3.86	A	1165	A++	7.97	9.0	395
	3.5+3.5+6.0	2.42	2.42	4.15	---	---	3.29	9.00	9.49	0.63	2.30	2.99	2.86	10.53	13.69	95	3.91	A	1150	A++	7.99	9.0	395
	3.5+3.5+7.1	2.23	2.23	4.53	---	---	3.45	9.00	9.51	0.65	2.28	2.99	2.99	10.44	13.69	95	3.96	A	1140	A++	8.00	9.0	394
	3.5+4.2+4.2	2.65	---	3.18	3.18	---	3.13	9.00	8.97	0.62	2.38	2.90	2.82	10.90	13.28	95	3.78	A	1190	A++	7.99	9.0	394
	3.5+4.2+5.0	2.48	---	2.98	3.54	---	3.24	9.00	9.18	0.62	2.32	2.93	2.82	10.62	13.40	95	3.88	A	1160	A++	7.98	9.0	395
	3.5+4.2+6.0	2.30	---	2.76	3.94	---	3.39	9.00	9.50	0.65	2.29	2.99	2.99	10.49	13.69	95	3.93	A	1145	A++	7.99	9.0	394
	3.5+4.2+7.1	2.13	---	2.55	4.32	---	3.54	9.00	10.01	0.69	2.26	3.52	3.16	10.35	16.09	95	3.98	A	1130	A++	8.00	9.0	394
	3.5+5.0+5.0	2.33	---	3.33	3.33	---	3.36	9.00	9.20	0.65	2.19	2.98	2.99	10.03	13.65	95	4.12	A	1095	A++	8.11	9.0	388
	3.5+5.0+6.0	2.17	---	3.10	3.72	---	3.50	9.00	9.67	0.65	2.16	3.02	2.99	9.89	13.81	95	4.17	A	1080	A++	8.13	9.0	388
	3.5+5.0+7.1	2.02	---	2.88	4.10	---	3.66	9.00	10.14	0.69	2.14	3.48	3.16	9.80	15.93	95	4.22	A	1070	A++	8.14	9.0	387
	3.5+6.0+6.0	2.03	---	3.48	3.48	---	3.65	9.00	10.59	0.65	2.15	3.56	2.99	9.84	16.29	95	4.19	A	1075	A++	8.13	9.0	388
	4.2+4.2+4.2	3.00	---	3.00	3.00	---	3.23	9.00	9.18	0.65	2.37	2.91	2.99	10.85	13.32	95	3.80	A	1185	A++	8.00	9.0	394
	4.2+4.2+5.0	2.82	---	2.82	3.36	---	3.35	9.00	9.26	0.65	2.31	2.93	2.99	10.58	13.40	95	3.90	A	1155	A++	7.99	9.0	395
	4.2+4.2+6.0	2.63	---	2.63	3.75	---	3.48	9.00	9.51	0.65	2.28	2.99	2.99	10.44	13.69	95	3.95	A	1140	A++	8.00	9.0	394
	4.2+4.2+7.1	2.44	---	2.44	4.12	---	3.65	9.00	10.02	0.69	2.25	3.52	3.16	10.30	16.09	95	4.00	A	1125	A++	8.01	9.0	394
	4.2+5.0+5.0	2.66	---	3.17	3.17	---	3.46	9.00	9.21	0.68	2.30	2.95	3.12	10.53	13.52	95	3.92	A	1150	A++	7.99	9.0	394
	4.2+5.0+6.0	2.49	---	2.96	3.55	---	3.60	9.00	10.18	0.69	2.27	3.54	3.16	10.39	16.21	95	3.97	A	1135	A++	8.00	9.0	394
	5.0+5.0+5.0	3.00	---	3.00	3.00	---	3.57	9.00	9.98	0.69	2.29	3.62	3.16	10.49	16.58	95	3.94	A	1145	A++	8.00	9.0	394
	1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	---	2.31	6.00	6.73	0.44	1.25	1.44	2.02	5.73	6.60	95	4.82	A	625	A++	8.33	6.0	252
	1.5+1.5+1.5+2.0	1.50	1.50	1.50	2.00	---	2.36	6.50	7.11	0.47	1.38	1.62	2.15	6.32	7.41	95	4.72	A	690	A++	8.44	6.5	270
	1.5+1.5+1.5+2.5	1.50	1.50	1.50	2.50	---	2.42	7.00	7.46	0.47	1.50	1.76	2.15	6.87	8.06	95	4.68	A	750	A+++	8.57	7.0	286
	1.5+1.5+1.5+3.5	1.41	1.41	1.41	3.28	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.62	A	815	A+++	8.58	7.5	306
	1.5+1.5+1.5+4.2	1.38	1.38	1.38	3.86	---	2.66	8.00	8.53	0.50	1.94	2.39	2.27	8.88	10.96	95	4.12	A	970	A++	8.38	8.0	335
	1.5+1.5+1.5+5.0	1.26	1.26	1.26	4.21	---	2.77	8.00	8.96	0.53	1.90	2.58	2.44	8.70	11.81	95	4.22	A	950	A++	8.37	8.0	335
	1.5+1.5+1.5+6.0	1.24	1.24	1.24	4.97	---	2.92	8.70	9.44	0.53	2.34	2.63	2.44	10.71	12.02	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+1.5+1.5+7.1	1.16	1.16	1.16	5.51	---	3.08	9.00	9.86	0.56	2.39	2.88	2.57	10.94	13.20	95	3.77	A	1195	A++	8.20	9.0	385
	1.5+1.5+2.0+2.0	1.50	1.50	2.00	2.00	---	2.42	7.00	7.46	0.47	1.50	1.76	2.15	6.87	8.06	95	4.68	A	750	A+++	8.57	7.0	286
	1.5+1.5+2.0+2.5	1.50	1.50	2.00	2.50	---	2.48	7.50	7.79	0.47	1.63	1.91	2.15	7.46	8.76	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+1.5+2.0+3.5	1.41	1.41	1.88	3.29	---	2.63	8.00	8.42	0.50	1.94	2.23	2.27	8.88	10.18	95	4.12	A	970	A++	8.38	8.0	335
	1.5+1.5+2.0+4.2	1.30	1.30	1.74	3.65	---	2.73	8.00	8.80	0.53	1.94	2.56	2.44	8.88	11.73	95	4.14	A	970	A++	8.38	8.0	334
	1.5+1.5+2.0+5.0	1.28	1.28	1.70	4.25	---	2.85	8.50	9.21	0.53	2.23	2.77	2.44	10.21	12.67	95	3.82	A	1115	A++	8.20	8.5	363

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+1.5+2.0+6.0	1.23	1.23	1.64	4.91	---	2.99	9.00	9.64	0.56	2.39	2.75	2.57	10.94	12.59	95	3.77	A	1195	A++	8.20	9.0	385
	1.5+1.5+2.0+7.1	1.12	1.12	1.49	5.28	---	3.16	9.00	10.04	0.60	2.36	3.02	2.74	10.81	13.81	95	3.82	A	1180	A++	8.21	9.0	384
	1.5+1.5+2.5+2.5	1.41	1.41	2.34	2.34	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+1.5+2.5+3.5	1.33	1.33	2.22	3.11	---	2.70	8.00	8.70	0.53	1.94	2.51	2.44	8.88	11.49	95	4.14	A	970	A++	8.39	8.0	334
	1.5+1.5+2.5+4.2	1.31	1.31	2.19	3.68	---	2.80	8.50	9.06	0.53	2.25	2.74	2.44	10.30	12.55	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+1.5+2.5+5.0	1.24	1.24	2.07	4.14	---	2.92	8.70	9.44	0.56	2.33	2.89	2.57	10.67	13.24	95	3.74	A	1165	A++	8.16	8.7	373
	1.5+1.5+2.5+6.0	1.17	1.17	1.96	4.70	---	3.07	9.00	9.83	0.56	2.43	2.88	2.57	11.13	13.20	95	3.71	A	1215	A++	8.15	9.0	387
	1.5+1.5+2.5+7.1	1.07	1.07	1.79	5.07	---	3.23	9.00	10.16	0.60	2.40	3.08	2.74	10.99	14.09	95	3.76	A	1200	A++	8.17	9.0	386
	1.5+1.5+3.5+3.5	1.28	1.28	2.98	2.98	---	2.85	8.50	9.21	0.53	2.25	2.80	2.44	10.30	12.83	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+1.5+3.5+4.2	1.26	1.26	2.94	3.53	---	2.95	9.00	9.32	0.56	2.47	2.87	2.57	11.31	13.12	95	3.65	A	1235	A++	8.13	9.0	388
	1.5+1.5+3.5+5.0	1.17	1.17	2.74	3.91	---	3.07	9.00	9.68	0.59	2.40	3.02	2.69	10.99	13.81	95	3.75	A	1200	A++	8.13	9.0	388
	1.5+1.5+3.5+6.0	1.08	1.08	2.52	4.32	---	3.21	9.00	10.15	0.59	2.37	3.08	2.69	10.85	14.09	95	3.80	A	1185	A++	8.15	9.0	387
	1.5+1.5+3.5+7.1	0.99	0.99	2.32	4.70	---	3.38	9.00	10.17	0.63	2.34	3.08	2.86	10.71	14.09	95	3.85	A	1170	A++	8.16	9.0	386
	1.5+1.5+4.2+4.2	1.18	1.18	3.32	3.32	---	3.05	9.00	9.52	0.59	2.45	2.99	2.69	11.22	13.69	95	3.67	A	1225	A++	8.14	9.0	387
	1.5+1.5+4.2+5.0	1.11	1.11	3.10	3.69	---	3.17	9.00	9.69	0.59	2.39	3.02	2.69	10.94	13.81	95	3.77	A	1195	A++	8.14	9.0	387
	1.5+1.5+4.2+6.0	1.02	1.02	2.86	4.09	---	3.32	9.00	10.16	0.60	2.36	3.08	2.74	10.81	14.09	95	3.82	A	1180	A++	8.15	9.0	387
	1.5+1.5+4.2+7.1	0.94	0.94	2.64	4.47	---	3.47	9.00	10.18	0.63	2.33	3.08	2.86	10.67	14.09	95	3.87	A	1165	A++	8.17	9.0	386
	1.5+1.5+5.0+5.0	1.04	1.04	3.46	3.46	---	3.29	9.00	9.87	0.63	2.24	3.04	2.86	10.26	13.93	95	4.02	A	1120	A++	8.19	9.0	385
	1.5+1.5+5.0+6.0	0.96	0.96	3.21	3.86	---	3.43	9.00	10.34	0.63	2.21	3.11	2.86	10.12	14.22	95	4.07	A	1105	A++	8.20	9.0	384
	1.5+1.5+5.0+7.1	0.89	0.89	2.98	4.23	---	3.59	9.00	10.67	0.65	2.19	3.45	2.99	10.03	15.80	95	4.12	A	1095	A++	8.21	9.0	384
	1.5+1.5+6.0+6.0	0.90	0.90	3.60	3.60	---	3.57	9.00	10.66	0.63	2.20	3.10	2.86	10.07	14.17	95	4.09	A	1100	A++	8.21	9.0	384
	1.5+2.0+2.0+2.0	1.50	2.00	2.00	2.00	---	2.48	7.50	7.79	0.47	1.63	1.91	2.15	7.46	8.76	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+2.0+2.0+2.5	1.41	1.88	1.88	2.34	---	2.55	7.50	8.12	0.50	1.62	2.06	2.27	7.42	9.45	95	4.63	A	810	A++	8.44	7.5	311
	1.5+2.0+2.0+3.5	1.33	1.78	1.78	3.11	---	2.70	8.00	8.70	0.53	1.94	2.34	2.44	8.88	10.71	95	4.14	A	970	A++	8.39	8.0	334
	1.5+2.0+2.0+4.2	1.31	1.75	1.75	3.68	---	2.80	8.50	9.06	0.53	2.25	2.74	2.44	10.30	12.55	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+2.0+2.0+5.0	1.24	1.66	1.66	4.14	---	2.92	8.70	9.44	0.56	2.34	2.89	2.57	10.71	13.24	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+2.0+2.0+6.0	1.17	1.57	1.57	4.70	---	3.07	9.00	9.83	0.56	2.43	2.88	2.57	11.13	13.20	95	3.71	A	1215	A++	8.15	9.0	387
	1.5+2.0+2.0+7.1	1.07	1.43	1.43	5.07	---	3.23	9.00	10.16	0.60	2.40	3.08	2.74	10.99	14.09	95	3.76	A	1200	A++	8.17	9.0	386
	1.5+2.0+2.5+2.5	1.41	1.88	2.35	2.35	---	2.63	8.00	8.42	0.50	1.95	2.23	2.27	8.93	10.18	95	4.10	A	975	A++	8.35	8.0	336
	1.5+2.0+2.5+3.5	1.26	1.68	2.11	2.95	---	2.77	8.00	8.96	0.53	1.94	2.69	2.44	8.88	12.30	95	4.14	A	970	A++	8.37	8.0	335
	1.5+2.0+2.5+4.2	1.25	1.67	2.08	3.50	---	2.88	8.50	9.30	0.56	2.24	2.87	2.57	10.26	13.12	95	3.80	A	1120	A++	8.17	8.5	364
	1.5+2.0+2.5+5.0	1.23	1.64	2.05	4.09	---	2.99	9.00	9.49	0.56	2.44	2.89	2.57	11.17	13.24	95	3.69	A	1220	A++	8.14	9.0	387
	1.5+2.0+2.5+6.0	1.13	1.50	1.88	4.50	---	3.14	9.00	10.01	0.59	2.41	3.01	2.69	11.03	13.77	95	3.74	A	1205	A++	8.16	9.0	386
	1.5+2.0+2.5+7.1	1.03	1.37	1.72	4.88	---	3.30	9.00	10.16	0.60	2.38	3.08	2.74	10.90	14.09	95	3.79	A	1190	A++	8.17	9.0	386
	1.5+2.0+3.5+3.5	1.24	1.66	2.90	2.90	---	2.92	8.70	9.31	0.56	2.34	2.87	2.57	10.71	13.12	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+2.0+3.5+4.2	1.21	1.61	2.81	3.38	---	3.02	9.00	9.51	0.56	2.45	2.99	2.57	11.22	13.69	95	3.67	A	1225	A++	8.14	9.0	387
	1.5+2.0+3.5+5.0	1.13	1.50	2.63	3.75	---	3.14	9.00	9.68	0.59	2.39	3.02	2.69	10.94	13.81	95	3.77	A	1195	A++	8.14	9.0	387
	1.5+2.0+3.5+6.0	1.04	1.38	2.42	4.15	---	3.29	9.00	10.15	0.59	2.36	3.08	2.69	10.81	14.09	95	3.82	A	1180	A++	8.15	9.0	387
	1.5+2.0+3.5+7.1	0.96	1.28	2.23	4.53	---	3.45	9.00	10.17	0.63	2.33	3.08	2.86	10.67	14.09	95	3.87	A	1165	A++	8.17	9.0	386
	1.5+2.0+4.2+4.2	1.13	1.51	3.18	3.18	---	3.13	9.00	9.52	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.15	9.0	387
	1.5+2.0+4.2+5.0	1.06	1.42	2.98	3.54	---	3.24	9.00	9.69	0.63	2.38	3.02	2.86	10.90	13.81	95	3.79	A	1190	A++	8.14	9.0	387
	1.5+2.0+4.2+6.0	0.99	1.31	2.76	3.94	---	3.39	9.00	10.16	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.16	9.0	386
	1.5+2.0+4.2+7.1	0.91	1.22	2.55	4.32	---	3.54	9.00	10.63	0.65	2.32	3.57	2.99	10.62	16.33	95	3.89	A	1160	A++	8.18	9.0	386
	1.5+2.0+5.0+5.0	1.00	1.33	3.33	3.33	---	3.36	9.00	9.87	0.63	2.26	3.04	2.86	10.35	13.93	95	3.99	A	1130	A++	8.19	9.0	385
	1.5+2.0+5.0+6.0	0.93	1.24	3.10	3.72	---	3.50	9.00	10.34	0.63	2.23	3.11	2.86	10.21	14.22	95	4.04	A	1115	A++	8.20	9.0	384
	1.5+2.0+5.0+7.1	0.87	1.15	2.88	4.10	---	3.66	9.00	10.71	0.65	2.20	3.45	2.99	10.07	15.80	95	4.09	A	1100	A++	8.22	9.0	384
	1.5+2.0+6.0+6.0	0.87	1.16	3.48	3.48	---	3.65	9.00	10.70	0.65	2.22	3.10	2.99	10.17	14.17	95	4.06	A	1110	A++	8.21	9.0	384
	1.5+2.5+2.5+2.5	1.33	2.22	2.22	2.22	---	2.70	8.00	8.70	0.53	1.94	2.39	2.44	8.88	10.96	95	4.14	A	970	A++	8.37	8.0	335
	1.5+2.5+2.5+3.5	1.28	2.13	2.13	2.98	---	2.85	8.50	9.21	0.53	2.24	2.87	2.44	10.26	13.12	95	3.80	A	1120	A++	8.17	8.5	364
	1.5+2.5+2.5+4.2	1.26	2.10	2.10	3.53	---	2.95	9.00	9.31	0.56	2.44	2.87	2.57	11.17	13.12	95	3.69	A	1220	A++	8.15	9.0	387
	1.5+2.5+2.5+5.0	1.17	1.96	1.96	3.91	---	3.07	9.00	9.68	0.59	2.38	3.02	2.69	10.90	13.81	95	3.79	A	1190	A++	8.14	9.0	387
	1.5+2.5+2.5+6.0	1.08	1.80	1.80	4.32	---	3.21	9.00	10.14	0.59	2.35	3.08	2.69	10.76	14.09	95	3.84	A	1175	A++	8.16	9.0	386
	1.5+2.5+2.5+7.1	0.99	1.65	1.65	4.70	---	3.38	9.00	10.16	0.63	2.32	3.08	2.86	10.62	14.09	95	3.89	A	1160	A++	8.18	9.0	386
	1.5+2.5+3.5+3.5	1.23	2.05	2.86	2.86	---	2.99	9.00	9.31	0.56	2.36	2.87	2.57	10.81	13.12	95	3.82	A	1180	A++	8.22	9.0	384
	1.5+2.5+3.5+4.2	1.15	1.92	2.69	3.23	---	3.10	9.00	9.51	0.59	2.35	2.99	2.69	10.76	13.69	95	3.84	A	1175	A++	8.22	9.0	383
	1.5+2.5+3.5+5.0	1.08	1.80	2.52	3.60	---	3.21	9.00	9.68	0.59	2.29	3.02	2.69	10.49	13.81	95	3.94	A	1145	A++	8.22	9.0	384
	1.5+2.5+3.5+6.0	1.00	1.67	2.33	4.00	---	3.36	9.00	10.15	0.63	2.26	3.08	2.86	10.35	14.09	95	3.99	A	1130	A++	8.23	9.0	383
	1.5+2.5+3.5+7.1	0.92	1.54	2.16	4.38	---	3.51	9.00	10.17	0.65	2.23	3.08	2.99	10.21	14.09	95	4.04	A	1115	A++	8.25	9.0	382
	1.5+2.5+4.2+4.2	1.09	1.81	3.05	3.05	---	3.20	9.00	9.52	0.59	2.33	2.99	2.69	10.67	13.69	95	3.86	A	1165	A++	8.23	9.0	383
	1.5+2.5+4.2+5.0	1.02	1.70	2.86	3.41	---	3.32	9.00	9.69	0.63	2.28	3.02	2.86	10.44	13.81	95	3.96	A	1140	A++	8.22	9.0	383
	1.5+2.5+4.2+6.0	0.95	1.58	2.66	3.80	---	3.46	9.00	10.16	0.63	2.25	3.08	2.86	10.30	14.09	95	4.01	A	1125	A++	8.24	9.0	383
	1.5+2.5+4.2+7.1	0.88	1.47	2.47	4.18	---	3.62	9.00	10.68	0.65	2.22	3.64	2.99	10.17	16.66	95	4.06	A	1110	A++	8.25	9.0	382
	1.5+2.5+5.0+5.0	0.96	1.61	3.21	3.21	---	3.20	9.00	9.52	0.59	2.26	2.99	2.69	10.35	13.69	95	3.98	A	1130	A++	8.23	9.0	383
	1.5+2.5+5.0+6.0	0.90	1.50	3.00	3.60	---	3.32	9.00	9.69	0.63	2.24	3.02	2.86	10.26	13.81	95	4.03	A	1120	A++	8.24	9.0	382
	1.5+3.5+3.5+3.5	1.13	2.63	2.63	2.63	---	3.14	9.00	9.51	0.59	2.35	2.99	2.69	10.76	13.69	95	3.84	A	1175	A++	8.21	9.0	384
	1.5+3.5+3.5+4.2	1.06	2.48	2.48	2.98	---	3.24	9.00	9.52	0.63	2.33	2.99	2.86	10.67	13.69	95	3.86	A	1165	A++	8.22	9.0	384
	1.5+3.5+3.5+5.0	1.00	2.33	2.33	3.33	---	3.36	9.00	9.69	0.63	2.28	3.02	2.86	10.44	13.81	95	3.96	A	1140	A++	8.21	9.0	384
	1.5+3.5+3.5+6.0	0.93	2.17	2.17	3.72	---	3.50	9.00	10.16	0.63	2.25	3.08	2.86	10.30	14.09	95	4.01	A	1125	A++	8.23	9.0	383
	1.5+3.5+3.5+7.1	0.87	2.02	2.02	4.10	---	3.66	9.00	10.71	0.65	2.22	3.71	2.99	10.17	16.99	95	4.06	A	1110	A++	8.24	9.0	383
	1.5+3.5+4.2+4.2	1.01	2.35	2.82	2.82	---	3.35	9.00	9.52	0.63	2.32	3.00	2.86	10.62	13.73	95	3.88	A	1160	A++	8.22	9.0	383
	1.5+3.5+4.2+5.0	0.95	2.22	2.66	3.17	---	3.46	9.00	9.70	0.65	2.26	3.02	2.99	10.35	13.81	95	3.98	A	1130	A++	8.22	9.0	384
	1.5+3.5+4.2+6.0	0.89	2.07	2.49	3.55	---	3.60	9.00	10.68	0.65	2.24	3.71	2.99	10.26	16.99	95	4.03	A	1120	A++	8.23	9.0	383
	1.5+3.5+5.0+5.0	0.90	2.10	3.00	3.00	---	3.57	9.00	10.47	0.65	2.25	3.73	2.99	10.30	17.07	95	4.00	A	1125	A++	8.22	9.0	383
	1.5+4.2+4.2+4.2	0.96	---	2.68	2.68	2.68	3.45	9.00	9.53	0.65	2.31	3.00	2.99	10.58	13.73	95	3.90	A	1155	A++	8.23	9.0	383
	1.5+4.2+4.2+5.0	0.91	---	2.54	2.54	3.02	3.56	9.00	10.29	0.65	2.25	3.69	2.99	10.30	16.90	95	4.00	A	1125	A++	8.22	9.0	383
	2.0+2.0+2.0+2.0	1.88	1.88	1.88	1.88	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.62	A	815	A+++	8.58	7.5	306
	2.0+2.0+2.0+2.5	1.88	1.88	1.88	2.35	---	2.63	8.00	8.42	0.50	1.90	2.23	2.27	8.70	10.18	95	4.22	A	950	A++	8.38	8.0	334
	2.0+2.0+2.0+3.5	1.68	1.68	1.68	2.95	---	2.77	8.00	8.96	0.53	1.89	2.51	2.44	8.65	11.49	95	4.24	A	945	A++	8.38	8.0	335
	2.0+2.0+2.0+4.2	1.67	1.67	1.67	3.50	---	2.88	8.50	9.30	0.56	2.33	2.87	2.57	10.67	13.12	95	3.65	A	1165	A++	8.02	8.5	371

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	2.0+2.0+2.0+5.0	1.64	1.64	1.64	4.09	---	2.99	9.00	9.49	0.56	2.54	2.89	2.57	11.63	13.24	95	3.55	A	1270	A++	7.93	9.0	398
	2.0+2.0+2.0+6.0	1.50	1.50	1.50	4.50	---	3.14	9.00	10.01	0.60	2.50	3.01	2.74	11.45	13.77	95	3.60	A	1250	A++	7.96	9.0	396
	2.0+2.0+2.0+7.1	1.37	1.37	1.37	4.88	---	3.30	9.00	10.16	0.60	2.48	3.08	2.74	11.36	14.09	95	3.63	A	1240	A++	7.96	9.0	396
	2.0+2.0+2.5+2.5	1.73	1.73	2.17	2.17	---	2.70	7.80	8.70	0.53	1.81	2.39	2.44	8.29	10.96	95	4.32	A	905	A++	8.48	7.8	322
	2.0+2.0+2.5+3.5	1.70	1.70	2.13	2.98	---	2.85	8.50	9.21	0.53	2.33	2.87	2.44	10.67	13.12	95	3.65	A	1165	A++	8.02	8.5	371
	2.0+2.0+2.5+4.2	1.68	1.68	2.10	3.53	---	2.95	9.00	9.31	0.56	2.61	2.87	2.57	11.95	13.12	95	3.45	A	1305	A++	7.93	9.0	398
	2.0+2.0+2.5+5.0	1.57	1.57	1.96	3.91	---	3.07	9.00	9.68	0.59	2.54	3.02	2.69	11.63	13.81	95	3.55	A	1270	A++	7.93	9.0	397
	2.0+2.0+2.5+6.0	1.44	1.44	1.80	4.32	---	3.21	9.00	10.14	0.60	2.50	3.08	2.74	11.45	14.09	95	3.60	A	1250	A++	7.95	9.0	397
	2.0+2.0+2.5+7.1	1.32	1.32	1.65	4.70	---	3.38	9.00	10.16	0.63	2.47	3.08	2.86	11.31	14.09	95	3.65	A	1235	A++	7.97	9.0	396
	2.0+2.0+3.5+3.5	1.64	1.64	2.86	2.86	---	2.99	9.00	9.31	0.56	2.46	2.87	2.57	11.26	13.12	95	3.67	A	1230	A++	8.07	9.0	391
	2.0+2.0+3.5+4.2	1.54	1.54	2.69	3.23	---	3.10	9.00	9.51	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.07	9.0	391
	2.0+2.0+3.5+5.0	1.44	1.44	2.52	3.60	---	3.21	9.00	9.68	0.59	2.38	3.02	2.69	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	391
	2.0+2.0+3.5+6.0	1.33	1.33	2.33	4.00	---	3.36	9.00	10.15	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.08	9.0	390
	2.0+2.0+3.5+7.1	1.23	1.23	2.16	4.38	---	3.51	9.00	10.17	0.65	2.32	3.08	2.99	10.62	14.09	95	3.89	A	1160	A++	8.10	9.0	389
	2.0+2.0+4.2+4.2	1.45	1.45	3.05	3.05	---	3.20	9.00	9.52	0.59	2.43	2.99	2.69	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+2.0+4.2+5.0	1.36	1.36	2.86	3.41	---	3.32	9.00	9.69	0.63	2.37	3.02	2.86	10.85	13.81	95	3.81	A	1185	A++	8.07	9.0	390
	2.0+2.0+4.2+6.0	1.27	1.27	2.66	3.80	---	3.46	9.00	10.16	0.63	2.33	3.08	2.86	10.67	14.09	95	3.86	A	1165	A++	8.09	9.0	390
	2.0+2.0+4.2+7.1	1.18	1.18	2.47	4.18	---	3.62	9.00	10.68	0.65	2.31	3.57	2.99	10.58	16.33	95	3.91	A	1155	A++	8.11	9.0	389
	2.0+2.0+5.0+5.0	1.29	1.29	3.21	3.21	---	3.43	9.00	9.87	0.63	2.35	3.04	2.86	10.76	13.93	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+2.0+5.0+6.0	1.20	1.20	3.00	3.60	---	3.57	9.00	10.66	0.65	2.32	3.45	2.99	10.62	15.80	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+2.5+2.5+2.5	1.68	2.11	2.11	2.11	---	2.77	8.00	8.96	0.53	1.89	2.51	2.44	8.65	11.49	95	4.24	A	945	A++	8.40	8.0	334
	2.0+2.5+2.5+3.5	1.66	2.07	2.07	2.90	---	2.92	8.70	9.30	0.56	2.39	2.87	2.57	10.94	13.12	95	3.65	A	1195	A++	8.03	8.7	379
	2.0+2.5+2.5+4.2	1.61	2.01	2.01	3.38	---	3.02	9.00	9.50	0.56	2.61	2.99	2.57	11.95	13.69	95	3.45	A	1305	A++	7.93	9.0	398
	2.0+2.5+2.5+5.0	1.50	1.88	1.88	3.75	---	3.14	9.00	9.68	0.59	2.54	3.02	2.69	11.63	13.81	95	3.55	A	1270	A++	7.93	9.0	397
	2.0+2.5+2.5+6.0	1.38	1.73	1.73	4.15	---	3.29	9.00	10.14	0.60	2.50	3.08	2.74	11.45	14.09	95	3.60	A	1250	A++	7.95	9.0	397
	2.0+2.5+2.5+7.1	1.28	1.60	1.60	4.53	---	3.45	9.00	10.16	0.63	2.47	3.08	2.86	11.31	14.09	95	3.65	A	1235	A++	7.97	9.0	396
	2.0+2.5+3.5+3.5	1.57	1.96	2.74	2.74	---	3.07	9.00	9.50	0.59	2.46	2.99	2.69	11.26	13.69	95	3.67	A	1230	A++	8.07	9.0	391
	2.0+2.5+3.5+4.2	1.48	1.84	2.58	3.10	---	3.17	9.00	9.51	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.07	9.0	391
	2.0+2.5+3.5+5.0	1.38	1.73	2.42	3.46	---	3.29	9.00	9.68	0.63	2.38	3.02	2.86	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	391
	2.0+2.5+3.5+6.0	1.29	1.61	2.25	3.86	---	3.43	9.00	10.15	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.08	9.0	390
	2.0+2.5+3.5+7.1	1.19	1.49	2.09	4.23	---	3.59	9.00	10.63	0.65	2.32	3.57	2.99	10.62	16.33	95	3.89	A	1160	A++	8.10	9.0	389
	2.0+2.5+4.2+4.2	1.40	1.74	2.93	2.93	---	3.27	9.00	9.52	0.63	2.43	2.99	2.86	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+2.5+4.2+5.0	1.31	1.64	2.76	3.28	---	3.39	9.00	9.69	0.63	2.37	3.02	2.86	10.85	13.81	95	3.81	A	1185	A++	8.07	9.0	390
	2.0+2.5+4.2+6.0	1.22	1.53	2.57	3.67	---	3.53	9.00	10.62	0.65	2.33	3.56	2.99	10.67	16.29	95	3.86	A	1165	A++	8.09	9.0	390
	2.0+2.5+5.0+5.0	1.24	1.55	3.10	3.10	---	3.50	9.00	9.87	0.65	2.35	3.04	2.99	10.76	13.93	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+2.5+5.0+6.0	1.16	1.45	2.90	3.48	---	3.65	9.00	10.70	0.65	2.32	3.52	2.99	10.62	16.13	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+3.5+3.5+3.5	1.44	2.52	2.52	2.52	---	3.21	9.00	9.51	0.63	2.43	2.99	2.86	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+3.5+3.5+4.2	1.36	2.39	2.39	2.86	---	3.32	9.00	9.52	0.63	2.42	2.99	2.86	11.08	13.69	95	3.73	A	1210	A++	8.08	9.0	390
	2.0+3.5+3.5+5.0	1.29	2.25	2.25	3.21	---	3.43	9.00	9.69	0.65	2.35	3.02	2.99	10.76	13.81	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+3.5+3.5+6.0	1.20	2.10	2.10	3.60	---	3.57	9.00	10.61	0.65	2.32	3.57	2.99	10.62	16.33	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+3.5+4.2+4.2	1.29	2.27	2.72	2.72	---	3.42	9.00	9.52	0.65	2.40	3.00	2.99	10.99	13.73	95	3.75	A	1200	A++	8.09	9.0	390
	2.0+3.5+4.2+5.0	1.22	2.14	2.57	3.06	---	3.53	9.00	10.20	0.65	2.34	3.55	2.99	10.71	16.25	95	3.85	A	1170	A++	8.09	9.0	390
	2.0+3.5+5.0+5.0	1.16	2.03	2.90	2.90	---	3.65	9.00	10.47	0.69	2.34	3.73	3.16	10.71	17.07	95	3.85	A	1170	A++	8.09	9.0	390
	2.0+4.2+4.2+4.2	1.23	---	2.59	2.59	2.59	3.51	9.00	9.53	0.65	2.39	3.00	2.99	10.94	13.73	95	3.77	A	1195	A++	8.10	9.0	389
	2.0+4.2+4.2+5.0	1.17	---	2.45	2.45	2.92	3.63	9.00	10.21	0.69	2.33	3.55	3.16	10.67	16.25	95	3.87	A	1165	A++	8.09	9.0	389
	2.5+2.5+2.5+2.5	2.13	2.13	2.13	2.13	---	2.85	8.50	9.21	0.53	2.28	2.87	2.44	10.44	13.12	95	3.73	A	1140	A++	8.07	8.5	369
	2.5+2.5+2.5+3.5	2.05	2.05	2.05	2.86	---	2.99	9.00	9.30	0.56	2.48	2.87	2.57	11.36	13.12	95	3.63	A	1240	A++	8.04	9.0	392
	2.5+2.5+2.5+4.2	1.92	1.92	1.92	3.23	---	3.10	9.00	9.50	0.59	2.47	2.99	2.69	11.31	13.69	95	3.65	A	1235	A++	8.05	9.0	392
	2.5+2.5+2.5+5.0	1.80	1.80	1.80	3.60	---	3.21	9.00	9.68	0.59	2.40	3.02	2.69	10.99	13.81	95	3.75	A	1200	A++	8.04	9.0	392
	2.5+2.5+2.5+6.0	1.67	1.67	1.67	4.00	---	3.36	9.00	10.14	0.63	2.37	3.08	2.86	10.85	14.09	95	3.80	A	1185	A++	8.06	9.0	391
	2.5+2.5+2.5+7.1	1.54	1.54	1.54	4.38	---	3.51	9.00	10.16	0.65	2.34	3.08	2.99	10.71	14.09	95	3.85	A	1170	A++	8.08	9.0	390
	2.5+2.5+3.5+3.5	1.88	1.88	2.63	2.63	---	3.14	9.00	9.50	0.59	2.47	2.99	2.69	11.31	13.69	95	3.65	A	1235	A++	8.05	9.0	392
	2.5+2.5+3.5+4.2	1.77	1.77	2.48	2.98	---	3.24	9.00	9.51	0.63	2.46	2.99	2.86	11.26	13.69	95	3.67	A	1230	A++	8.05	9.0	391
	2.5+2.5+3.5+5.0	1.67	1.67	2.33	3.33	---	3.36	9.00	9.68	0.63	2.39	3.02	2.86	10.94	13.81	95	3.77	A	1195	A++	8.05	9.0	391
	2.5+2.5+3.5+6.0	1.55	1.55	2.17	3.72	---	3.50	9.00	10.15	0.65	2.36	3.08	2.99	10.81	14.09	95	3.82	A	1180	A++	8.07	9.0	391
	2.5+2.5+3.5+7.1	1.44	1.44	2.02	4.10	---	3.66	9.00	10.63	0.65	2.33	3.57	2.99	10.67	16.33	95	3.87	A	1165	A++	8.09	9.0	390
	2.5+2.5+4.2+4.2	1.68	1.68	2.82	2.82	---	3.35	9.00	9.52	0.63	2.44	2.99	2.86	11.17	13.69	95	3.69	A	1220	A++	8.06	9.0	391
	2.5+2.5+4.2+5.0	1.58	1.58	2.66	3.17	---	3.46	9.00	9.69	0.65	2.38	3.02	2.99	10.90	13.81	95	3.79	A	1190	A++	8.06	9.0	391
	2.5+2.5+4.2+6.0	1.48	1.48	2.49	3.55	---	3.60	9.00	10.68	0.65	2.35	3.56	2.99	10.76	16.29	95	3.84	A	1175	A++	8.08	9.0	390
	2.5+2.5+5.0+5.0	1.50	1.50	3.00	3.00	---	3.57	9.00	10.46	0.65	2.37	3.72	2.99	10.85	17.03	95	3.81	A	1185	A++	8.07	9.0	391
	2.5+3.5+3.5+3.5	1.73	2.42	2.42	2.42	---	3.29	9.00	9.53	0.63	2.46	2.99	2.86	11.26	13.69	95	3.67	A	1230	A++	8.07	9.0	390
	2.5+3.5+3.5+4.2	1.64	2.30	2.30	2.76	---	3.39	9.00	9.52	0.65	2.44	2.99	2.99	11.17	13.69	95	3.69	A	1220	A++	8.08	9.0	390
	2.5+3.5+3.5+5.0	1.55	2.17	2.17	3.10	---	3.50	9.00	9.69	0.65	2.38	3.02	2.99	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	390
	2.5+3.5+3.5+6.0	1.45	2.03	2.03	3.48	---	3.65	9.00	10.61	0.65	2.35	3.57	2.99	10.76	16.33	95	3.84	A	1175	A++	8.09	9.0	390
	2.5+3.5+4.2+4.2	1.56	2.19	2.63	2.63	---	3.48	9.00	9.52	0.65	2.43	3.00	2.99	11.13	13.73	95	3.71	A	1215	A++	8.08	9.0	390
	2.5+3.5+4.2+5.0	1.48	2.07	2.49	2.96	---	3.60	9.00	10.20	0.69	2.37	3.55	3.16	10.85	16.25	95	3.81	A	1185	A++	8.08	9.0	390
	2.5+4.2+4.2+4.2	1.49	2.50	2.50	2.50	---	3.59	9.00	10.03	0.69	2.42	3.52	3.16	11.08	16.09	95	3.73	A	1210	A++	8.09	9.0	390
	3.5+3.5+3.5+3.5	2.25	2.25	2.25	2.25	---	3.43	9.00	9.51	0.65	2.44	2.99	2.99	11.17	13.69	95	3.69	A	1220	A++	8.08	9.0	390
	3.5+3.5+3.5+4.2	2.14	2.14	2.14	2.57	---	3.53	9.00	10.02	0.69	2.43	3.52	3.16	11.13	16.09	95	3.71	A	1215	A++	8.08	9.0	390
	3.5+3.5+3.5+5.0	2.03	2.03	2.03	2.90	---	3.65	9.00	10.15	0.69	2.37	3.48	3.16	10.85	15.93	95	3.81	A	1185	A++	8.08	9.0	390
	3.5+3.5+4.2+4.2	2.05	2.05	2.45	2.45	---	3.63	9.00	10.03	0.69	2.42	3.52	3.16	11.08	16.09	95	3.73	A	1210	A++	8.09	9.0	390
	1.5+1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	1.50	2.48	7.50	7.79	0.48	1.55	1.79	2.19	7.10	8.19	95	4.85	A	775	A++	7.90	7.5	333
	1.5+1.5+1.5+1.5+2.0	1.41	1.41	1.41	1.41	1.88	2.55	7.50	8.12	0.48	1.55	1.94	2.19	7.10	8.88	95	4.87	A	775	A++	7.89	7.5	333
	1.5+1.5+1.5+1.5+2.5	1.41	1.41	1.41	1.41	2.35	2.63	8.00	8.42	0.51	1.75	2.10	2.32	8.01	9.61	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+1.5+3.5	1.26	1.26	1.26	1.26	2.95	2.77	8.00	8.96	0.53	1.73	2.39	2.44	7.92	10.92	95	4.63	A	865	A++	7.81	8.0	359
	1.5+1.5+1.5+1.5+4.2	1.32	1.32	1.32	1.32	3.71	2.88	9.00	9.30	0.53	2.20	2.56	2.44	10.07	11.73	95	4.10	A	1100	A++	7.66	9.0	411
	1.5+1.5+1.5+1.5+5.0	1.23	1.23	1.23	1.23	4.09	2.99	9.00	9.64	0.56	2.15	2.64	2.57	9.84	12.10	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+1.5+1.5+6.0	1.13	1.13	1.13	1.13	4.50	3.14	9.00	10.01	0.57	2.12	2.69	2.61	9.71	12.30	95	4.25	A	1060	A++	7.71	9.0	409
	1.5+1.5+1.5+1.5+7.1	1.03	1.03	1.03	1.03	4.88	3.30	9.00	10.32	0.60	2.10	2.82	2.74	9.62	12.91	95	4.30	A	1050	A++	7.73	9.0	408

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+1.5+1.5+2.0+2.0	1.41	1.41	1.41	1.88	1.88	2.63	8.00	8.42	0.51	1.75	2.10	2.32	8.01	9.61	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+2.0+2.5	1.33	1.33	1.33	1.78	2.22	2.70	8.00	8.70	0.51	1.75	2.22	2.32	8.01	10.14	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+2.0+3.5	1.28	1.28	1.28	1.70	2.98	2.85	8.50	9.21	0.53	1.95	2.50	2.44	8.93	11.45	95	4.37	A	975	A++	7.76	8.5	383
	1.5+1.5+1.5+2.0+4.2	1.26	1.26	1.26	1.68	3.53	2.95	9.00	9.52	0.53	2.06	2.69	2.44	9.43	12.30	95	4.37	A	1030	A++	7.81	9.0	404
	1.5+1.5+1.5+2.0+5.0	1.17	1.17	1.17	1.57	3.91	3.07	9.00	9.83	0.56	2.02	2.78	2.57	9.25	12.71	95	4.47	A	1010	A++	7.83	9.0	403
	1.5+1.5+1.5+2.0+6.0	1.08	1.08	1.08	1.44	4.32	3.21	9.00	10.16	0.57	2.00	2.75	2.61	9.16	12.59	95	4.52	A	1000	A++	7.85	9.0	402
	1.5+1.5+1.5+2.0+7.1	0.99	0.99	0.99	1.32	4.70	3.38	9.00	10.43	0.60	1.97	2.96	2.74	9.02	13.56	95	4.57	A	985	A++	7.86	9.0	401
	1.5+1.5+1.5+2.5+2.5	1.26	1.26	1.26	2.11	2.11	2.77	8.00	8.96	0.53	1.74	2.39	2.44	7.97	10.92	95	4.61	A	870	A++	7.81	8.0	359
	1.5+1.5+1.5+2.5+3.5	1.24	1.24	1.24	2.07	2.90	2.92	8.70	9.44	0.53	2.06	2.63	2.44	9.43	12.02	95	4.24	A	1030	A++	7.71	8.7	395
	1.5+1.5+1.5+2.5+4.2	1.21	1.21	1.21	2.01	3.38	3.02	9.00	9.72	0.56	2.19	2.82	2.57	10.03	12.91	95	4.12	A	1095	A++	7.66	9.0	411
	1.5+1.5+1.5+2.5+5.0	1.13	1.13	1.13	1.88	3.75	3.14	9.00	10.01	0.56	2.14	2.90	2.57	9.80	13.28	95	4.22	A	1070	A++	7.69	9.0	410
	1.5+1.5+1.5+2.5+6.0	1.04	1.04	1.04	1.73	4.15	3.29	9.00	10.29	0.60	2.11	2.82	2.74	9.66	12.91	95	4.27	A	1055	A++	7.70	9.0	409
	1.5+1.5+1.5+2.5+7.1	0.96	0.96	0.96	1.60	4.53	3.45	9.00	10.53	0.60	2.09	2.96	2.74	9.57	13.56	95	4.32	A	1045	A++	7.72	9.0	408
	1.5+1.5+1.5+3.5+3.5	1.17	1.17	1.17	2.74	2.74	3.07	9.00	9.83	0.56	2.18	2.88	2.57	9.98	13.20	95	4.14	A	1090	A++	7.68	9.0	411
	1.5+1.5+1.5+3.5+4.2	1.11	1.11	1.11	2.58	3.10	3.17	9.00	10.07	0.60	2.17	3.02	2.74	9.94	13.81	95	4.16	A	1085	A++	7.68	9.0	410
	1.5+1.5+1.5+3.5+5.0	1.04	1.04	1.04	2.42	3.46	3.29	9.00	10.29	0.60	2.12	3.11	2.74	9.71	14.22	95	4.26	A	1060	A++	7.70	9.0	409
	1.5+1.5+1.5+3.5+6.0	0.96	0.96	0.96	2.25	3.86	3.43	9.00	10.52	0.60	2.09	2.95	2.74	9.57	13.52	95	4.31	A	1045	A++	7.72	9.0	408
	1.5+1.5+1.5+3.5+7.1	0.89	0.89	0.89	2.09	4.23	3.59	9.00	10.67	0.63	2.07	3.10	2.86	9.48	14.17	95	4.36	A	1035	A++	7.74	9.0	407
	1.5+1.5+1.5+4.2+4.2	1.05	1.05	1.05	2.93	2.93	3.27	9.00	10.19	0.60	2.16	3.09	2.74	9.89	14.13	95	4.18	A	1080	A++	7.69	9.0	410
	1.5+1.5+1.5+4.2+5.0	0.99	0.99	0.99	2.76	3.28	3.39	9.00	10.36	0.63	2.11	3.11	2.86	9.66	14.22	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+1.5+1.5+4.2+6.0	0.92	0.92	0.92	2.57	3.67	3.53	9.00	10.62	0.63	2.08	3.03	2.86	9.52	13.85	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+1.5+1.5+5.0+5.0	0.93	0.93	0.93	3.10	3.10	3.50	9.00	10.55	0.63	2.10	3.13	2.86	9.62	14.34	95	4.30	A	1050	A++	7.72	9.0	408
	1.5+1.5+1.5+5.0+6.0	0.87	0.87	0.87	2.90	3.48	3.65	9.00	10.70	0.63	2.07	2.98	2.86	9.48	13.65	95	4.35	A	1035	A++	7.74	9.0	407
	1.5+1.5+2.0+2.0+2.0	1.30	1.30	1.73	1.73	1.73	2.70	7.80	8.70	0.51	1.65	2.22	2.32	7.56	10.14	95	4.73	A	825	A++	7.86	7.8	348
	1.5+1.5+2.0+2.0+2.5	1.26	1.26	1.68	1.68	2.11	2.77	8.00	8.96	0.53	1.74	2.39	2.44	7.97	10.92	95	4.61	A	870	A++	7.81	8.0	359
	1.5+1.5+2.0+2.0+3.5	1.24	1.24	1.66	1.66	2.90	2.92	8.70	9.44	0.53	2.05	2.63	2.44	9.39	12.02	95	4.26	A	1025	A++	7.72	8.7	395
	1.5+1.5+2.0+2.0+4.2	1.21	1.21	1.61	1.61	3.38	3.02	9.00	9.72	0.56	2.18	2.82	2.57	9.98	12.91	95	4.14	A	1090	A++	7.67	9.0	411
	1.5+1.5+2.0+2.0+5.0	1.13	1.13	1.50	1.50	3.75	3.14	9.00	10.01	0.56	2.13	2.90	2.57	9.75	13.28	95	4.24	A	1065	A++	7.71	9.0	409
	1.5+1.5+2.0+2.0+6.0	1.04	1.04	1.38	1.38	4.15	3.29	9.00	10.29	0.60	2.10	2.82	2.74	9.62	12.91	95	4.29	A	1050	A++	7.73	9.0	408
	1.5+1.5+2.0+2.0+7.1	0.96	0.96	1.28	1.28	4.53	3.45	9.00	10.53	0.60	2.08	2.96	2.74	9.52	13.56	95	4.34	A	1040	A++	7.75	9.0	407
	1.5+1.5+2.0+2.5+2.5	1.28	1.28	1.70	2.13	2.13	2.85	8.50	9.21	0.53	1.84	2.50	2.44	8.43	11.45	95	4.63	A	920	A++	7.83	8.5	380
	1.5+1.5+2.0+2.5+3.5	1.23	1.23	1.64	2.05	2.86	2.99	9.00	9.64	0.56	2.18	2.75	2.57	9.98	12.59	95	4.14	A	1090	A++	7.67	9.0	411
	1.5+1.5+2.0+2.5+4.2	1.15	1.15	1.54	1.92	3.23	3.10	9.00	9.90	0.56	2.17	2.95	2.57	9.94	13.48	95	4.16	A	1085	A++	7.68	9.0	411
	1.5+1.5+2.0+2.5+5.0	1.08	1.08	1.44	1.80	3.60	3.21	9.00	10.16	0.60	2.12	3.03	2.74	9.71	13.89	95	4.26	A	1060	A++	7.71	9.0	409
	1.5+1.5+2.0+2.5+6.0	1.00	1.00	1.33	1.67	4.00	3.36	9.00	10.41	0.60	2.09	2.95	2.74	9.57	13.52	95	4.31	A	1045	A++	7.73	9.0	408
	1.5+1.5+2.0+2.5+7.1	0.92	0.92	1.23	1.54	4.38	3.51	9.00	10.61	0.63	2.07	3.03	2.86	9.48	13.85	95	4.36	A	1035	A++	7.76	9.0	406
	1.5+1.5+2.0+3.5+3.5	1.13	1.13	1.50	2.63	2.63	3.14	9.00	10.01	0.56	2.17	3.02	2.57	9.94	13.81	95	4.16	A	1085	A++	7.68	9.0	410
	1.5+1.5+2.0+3.5+4.2	1.06	1.06	1.42	2.48	2.98	3.24	9.00	10.18	0.60	2.16	3.08	2.74	9.89	14.09	95	4.18	A	1080	A++	7.69	9.0	410
	1.5+1.5+2.0+3.5+5.0	1.00	1.00	1.33	2.33	3.33	3.36	9.00	10.36	0.60	2.11	3.11	2.74	9.66	14.22	95	4.28	A	1055	A++	7.72	9.0	408
	1.5+1.5+2.0+3.5+6.0	0.93	0.93	1.24	2.17	3.72	3.50	9.00	10.59	0.63	2.08	3.03	2.86	9.52	13.85	95	4.33	A	1040	A++	7.74	9.0	407
	1.5+1.5+2.0+3.5+7.1	0.87	0.87	1.15	2.02	4.10	3.66	9.00	10.71	0.65	2.06	3.10	2.99	9.43	14.17	95	4.38	A	1030	A++	7.76	9.0	406
	1.5+1.5+2.0+4.2+4.2	1.01	1.01	1.34	2.82	2.82	3.35	9.00	10.19	0.63	2.15	3.09	2.86	9.84	14.13	95	4.20	A	1075	A++	7.70	9.0	409
	1.5+1.5+2.0+4.2+5.0	0.95	0.95	1.27	2.66	3.17	3.46	9.00	10.36	0.63	2.10	3.11	2.86	9.62	14.22	95	4.30	A	1050	A++	7.73	9.0	408
	1.5+1.5+2.0+4.2+6.0	0.89	0.89	1.18	2.49	3.55	3.60	9.00	10.68	0.63	2.07	3.10	2.86	9.48	14.17	95	4.35	A	1035	A++	7.75	9.0	407
	1.5+1.5+2.0+5.0+5.0	0.90	0.90	1.20	3.00	3.00	3.57	9.00	10.66	0.63	2.00	3.28	2.86	9.16	14.99	95	4.50	A	1000	A++	7.70	9.0	410
	1.5+1.5+2.5+2.5+2.5	1.24	1.24	2.07	2.07	2.07	2.92	8.70	9.44	0.53	2.04	2.63	2.44	9.34	12.02	95	4.28	A	1020	A++	7.72	8.7	395
	1.5+1.5+2.5+2.5+3.5	1.17	1.17	1.96	1.96	2.74	3.07	9.00	9.83	0.56	2.17	2.88	2.57	9.94	13.20	95	4.16	A	1085	A++	7.67	9.0	411
	1.5+1.5+2.5+2.5+4.2	1.11	1.11	1.84	1.84	3.10	3.17	9.00	10.07	0.60	2.16	3.02	2.74	9.89	13.81	95	4.18	A	1080	A++	7.68	9.0	411
	1.5+1.5+2.5+2.5+5.0	1.04	1.04	1.73	1.73	3.46	3.29	9.00	10.29	0.60	2.11	3.11	2.74	9.66	14.22	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+1.5+2.5+2.5+6.0	0.96	0.96	1.61	1.61	3.86	3.43	9.00	10.52	0.60	2.08	3.03	2.74	9.52	13.85	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+1.5+2.5+2.5+7.1	0.89	0.89	1.49	1.49	4.23	3.59	9.00	10.67	0.63	2.06	3.10	2.86	9.43	14.17	95	4.38	A	1030	A++	7.75	9.0	406
	1.5+1.5+2.5+3.5+3.5	1.08	1.08	1.80	2.52	2.52	3.21	9.00	10.16	0.60	2.16	3.08	2.74	9.89	14.09	95	4.18	A	1080	A++	7.68	9.0	410
	1.5+1.5+2.5+3.5+4.2	1.02	1.02	1.70	2.39	2.86	3.32	9.00	10.18	0.60	2.15	3.08	2.74	9.84	14.09	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+2.5+3.5+5.0	0.96	0.96	1.61	2.25	3.21	3.43	9.00	10.36	0.63	2.10	3.11	2.86	9.62	14.22	95	4.30	A	1050	A++	7.72	9.0	408
	1.5+1.5+2.5+3.5+6.0	0.90	0.90	1.50	2.10	3.60	3.57	9.00	10.66	0.63	2.07	3.10	2.86	9.48	14.17	95	4.35	A	1035	A++	7.74	9.0	407
	1.5+1.5+2.5+4.2+4.2	0.97	0.97	1.62	2.72	2.72	3.42	9.00	10.19	0.63	2.14	3.09	2.86	9.80	14.13	95	4.22	A	1070	A++	7.70	9.0	410
	1.5+1.5+2.5+4.2+5.0	0.92	0.92	1.53	2.57	3.06	3.53	9.00	10.62	0.63	2.09	3.39	2.86	9.57	15.52	95	4.32	A	1045	A++	7.73	9.0	408
	1.5+1.5+2.5+5.0+5.0	0.87	0.87	1.45	2.90	2.90	3.65	9.00	10.70	0.65	2.02	3.28	2.99	9.25	14.99	95	4.47	A	1010	A++	7.67	9.0	411
	1.5+1.5+3.5+3.5+3.5	1.00	1.00	2.33	2.33	2.33	3.36	9.00	10.18	0.63	2.15	3.08	2.86	9.84	14.09	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+3.5+3.5+4.2	0.95	0.95	2.22	2.22	2.66	3.46	9.00	10.19	0.63	2.14	3.09	2.86	9.80	14.13	95	4.22	A	1070	A++	7.70	9.0	410
	1.5+1.5+3.5+3.5+5.0	0.90	0.90	2.10	2.10	3.00	3.57	9.00	10.66	0.65	2.09	3.38	2.99	9.57	15.48	95	4.32	A	1045	A++	7.73	9.0	408
	1.5+1.5+3.5+4.2+4.2	0.91	0.91	2.11	2.54	2.54	3.56	9.00	10.65	0.65	2.13	3.57	2.99	9.75	16.33	95	4.24	A	1065	A++	7.71	9.0	409
	1.5+2.0+2.0+2.0+2.0	1.26	1.68	1.68	1.68	1.68	2.77	8.00	8.96	0.53	1.73	2.39	2.44	7.92	10.92	95	4.63	A	865	A++	7.81	8.0	359
	1.5+2.0+2.0+2.0+2.5	1.28	1.70	1.70	1.70	2.13	2.85	8.50	9.21	0.53	1.83	2.50	2.44	8.38	11.45	95	4.65	A	915	A++	7.83	8.5	380
	1.5+2.0+2.0+2.0+3.5	1.23	1.64	1.64	1.64	2.86	2.99	9.00	9.64	0.56	2.17	2.75	2.57	9.94	12.59	95	4.16	A	1085	A++	7.67	9.0	411
	1.5+2.0+2.0+2.0+4.2	1.15	1.54	1.54	1.54	3.23	3.10	9.00	9.90	0.56	2.16	2.95	2.57	9.89	13.48	95	4.18	A	1080	A++	7.68	9.0	411
	1.5+2.0+2.0+2.0+5.0	1.08	1.44	1.44	1.44	3.60	3.21	9.00	10.16	0.60	2.11	3.03	2.74	9.66	13.89	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+2.0+2.0+2.0+6.0	1.00	1.33	1.33	1.33	4.00	3.36	9.00	10.41	0.60	2.08	2.95	2.74	9.52	13.52	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+2.0+2.0+2.0+7.1	0.92	1.23	1.23	1.23	4.38	3.51	9.00	10.61	0.63	2.06	3.03	2.86	9.43	13.85	95	4.38	A	1030	A++	7.76	9.0	406
	1.5+2.0+2.0+2.5+2.5	1.24	1.66	1.66	2.07	2.07	2.92	8.70	9.44	0.53	1.87	2.63	2.44	8.56	12.02	95	4.67	A	935	A++	7.86	8.7	388
	1.5+2.0+2.0+2.5+3.5	1.17	1.57	1.57	1.96	2.74	3.07	9.00	9.83	0.56	1.92	2.88	2.57	8.79	13.20	95	4.71	A	960	A++	7.90	9.0	399
	1.5+2.0+2.0+2.5+4.2	1.11	1.48	1.48	1.84	3.10	3.17	9.00	10.07	0.60	1.91	3.02	2.74	8.75	13.81	95	4.73	A	955	A++	7.90	9.0	399
	1.5+2.0+2.0+2.5+5.0	1.04	1.38	1.38	1.73	3.46	3.29	9.00	10.29	0.60	1.87	3.11	2.74	8.56	14.22	95	4.83	A	935	A++	7.93	9.0	397
	1.5+2.0+2.0+2.5+6.0	0.96	1.29	1.29	1.61	3.86	3.43	9.00	10.52	0.60	1.85	3.03	2.74	8.47	13.85	95	4.88	A	925	A++	7.95	9.0	396
	1.5+2.0+2.0+2.5+7.1	0.89	1.19	1.19	1.49	4.23	3.59	9.00	10.67	0.63	1.83	3.10	2.86	8.38	14.17	95	4.93	A	915	A++	7.97	9.0	395
	1.5+2.0+2.0+3.5+3.5	1.08	1.44	1.44	2.52	2.52	3.21	9.00	10.16	0.60	1.91	3.08	2.74	8.75	14.09	95	4.73	A	955	A++	7.91	9.0	399
	1.5+2.0+2.0+3.5+4.2	1.02	1.36	1.36	2.39	2.86	3.32	9.00	10.18	0.60	1.90	3.08	2.74	8.70	14.09	95	4.75	A	950	A++	7.91	9.0	398
	1.5+2.0+2.0+3.5+5.0	0.96	1.29	1.29	2.25	3.21	3.43	9.00	10.36	0.63	1.86	3.11	2.86	8.52	14.22	95	4.85	A	930	A++	7.94	9.0	397
	1.5+2.0+2.0+3.5+6.0	0.90	1.20	1.20	2.10	3.60	3.57	9.00	10.66	0.63	1.84	3.10	2.86	8.43	14.17	95	4.90	A	920	A++	7.96	9.0	396

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+2.0+2.0+4.2+4.2	0.97	1.29	1.29	2.72	2.72	3.42	9.00	10.19	0.63	1.89	3.09	2.86	8.65	14.13	95	4.77	A	945	A++	7.92	9.0	398
	1.5+2.0+2.0+4.2+5.0	0.92	1.22	1.22	2.57	3.06	3.53	9.00	10.62	0.63	1.85	3.39	2.86	8.47	15.52	95	4.87	A	925	A++	7.95	9.0	396
	1.5+2.0+2.0+5.0+5.0	0.87	1.16	1.16	2.90	2.90	3.65	9.00	10.70	0.65	1.85	3.28	2.99	8.47	14.99	95	4.87	A	925	A++	7.95	9.0	396
	1.5+2.0+2.5+2.5+2.5	1.23	1.64	2.05	2.05	2.05	2.99	9.00	9.64	0.56	1.92	2.75	2.57	8.79	12.59	95	4.71	A	960	A++	7.89	9.0	399
	1.5+2.0+2.5+2.5+3.5	1.13	1.50	1.88	1.88	2.63	3.14	9.00	10.01	0.56	1.90	3.02	2.57	8.70	13.81	95	4.75	A	950	A++	7.91	9.0	399
	1.5+2.0+2.5+2.5+4.2	1.06	1.42	1.77	1.77	2.98	3.24	9.00	10.17	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.91	9.0	398
	1.5+2.0+2.5+2.5+5.0	1.00	1.33	1.67	1.67	3.33	3.36	9.00	10.35	0.60	1.85	3.11	2.74	8.47	14.22	95	4.87	A	925	A++	7.94	9.0	397
	1.5+2.0+2.5+2.5+6.0	0.93	1.24	1.55	1.55	3.72	3.50	9.00	10.59	0.63	1.83	3.03	2.86	8.38	13.85	95	4.92	A	915	A++	7.96	9.0	396
	1.5+2.0+2.5+2.5+7.1	0.87	1.15	1.44	1.44	4.10	3.66	9.00	10.71	0.65	1.82	3.10	2.99	8.33	14.17	95	4.97	A	910	A++	7.98	9.0	395
	1.5+2.0+2.5+3.5+3.5	1.04	1.38	1.73	2.42	2.42	3.29	9.00	10.17	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.92	9.0	398
	1.5+2.0+2.5+3.5+4.2	0.99	1.31	1.64	2.30	2.76	3.39	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.92	9.0	398
	1.5+2.0+2.5+3.5+5.0	0.93	1.24	1.55	2.17	3.10	3.50	9.00	10.36	0.63	1.85	3.11	2.86	8.47	14.22	95	4.89	A	925	A++	7.95	9.0	396
	1.5+2.0+2.5+3.5+6.0	0.87	1.16	1.45	2.03	3.48	3.65	9.00	10.70	0.65	1.83	3.10	2.99	8.38	14.17	95	4.94	A	915	A++	7.97	9.0	396
	1.5+2.0+2.5+4.2+4.2	0.94	1.25	1.56	2.63	2.63	3.48	9.00	10.19	0.63	1.88	3.09	2.86	8.61	14.13	95	4.81	A	940	A++	7.93	9.0	398
	1.5+2.0+2.5+4.2+5.0	0.89	1.18	1.48	2.49	2.96	3.60	9.00	10.68	0.65	1.84	3.46	2.99	8.43	15.84	95	4.91	A	920	A++	7.96	9.0	396
	1.5+2.0+3.5+3.5+3.5	0.96	1.29	2.25	2.25	2.25	3.43	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.93	9.0	398
	1.5+2.0+3.5+3.5+4.2	0.92	1.22	2.14	2.14	2.57	3.53	9.00	10.62	0.65	1.88	3.57	2.99	8.61	16.33	95	4.81	A	940	A++	7.93	9.0	398
	1.5+2.0+3.5+3.5+5.0	0.87	1.16	2.03	2.03	2.90	3.65	9.00	10.70	0.65	1.84	3.45	2.99	8.43	15.80	95	4.91	A	920	A++	7.96	9.0	396
	1.5+2.0+3.5+4.2+4.2	0.88	1.17	2.05	2.45	2.45	3.63	9.00	10.69	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.94	9.0	397
	1.5+2.5+2.5+2.5+2.5	1.17	1.96	1.96	1.96	1.96	3.07	9.00	9.83	0.56	1.91	2.88	2.57	8.75	13.20	95	4.73	A	955	A++	7.88	9.0	400
	1.5+2.5+2.5+2.5+3.5	1.08	1.80	1.80	1.80	2.52	3.21	9.00	10.16	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.89	9.0	399
	1.5+2.5+2.5+2.5+4.2	1.02	1.70	1.70	1.70	2.86	3.32	9.00	10.17	0.60	1.88	3.08	2.74	8.61	14.09	95	4.79	A	940	A++	7.89	9.0	399
	1.5+2.5+2.5+2.5+5.0	0.96	1.61	1.61	1.61	3.21	3.43	9.00	10.35	0.63	1.85	3.11	2.86	8.47	14.22	95	4.89	A	925	A++	7.92	9.0	398
	1.5+2.5+2.5+2.5+6.0	0.90	1.50	1.50	1.50	3.60	3.57	9.00	10.66	0.63	1.83	3.10	2.86	8.38	14.17	95	4.94	A	915	A++	7.94	9.0	397
	1.5+2.5+2.5+3.5+3.5	1.00	1.67	1.67	2.33	2.33	3.36	9.00	10.17	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.90	9.0	399
	1.5+2.5+2.5+3.5+4.2	0.95	1.58	1.58	2.22	2.66	3.46	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.81	A	940	A++	7.90	9.0	399
	1.5+2.5+2.5+3.5+5.0	0.90	1.50	1.50	2.10	3.00	3.57	9.00	10.66	0.65	1.84	3.38	2.99	8.43	15.48	95	4.91	A	920	A++	7.93	9.0	397
	1.5+2.5+2.5+4.2+4.2	0.91	1.51	1.51	2.54	2.54	3.56	9.00	10.65	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.91	9.0	398
	1.5+2.5+3.5+3.5+3.5	0.93	1.55	2.17	2.17	2.17	3.50	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.81	A	940	A++	7.91	9.0	399
	1.5+2.5+3.5+3.5+4.2	0.89	1.48	2.07	2.07	2.49	3.60	9.00	10.68	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.91	9.0	398
	1.5+3.5+3.5+3.5+3.5	0.87	2.03	2.03	2.03	2.03	3.65	9.00	10.70	0.65	1.87	3.71	2.99	8.56	16.99	95	4.83	A	935	A++	7.92	9.0	398
	2.0+2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.70	2.85	8.50	9.21	0.53	1.83	2.50	2.44	8.38	11.45	95	4.67	A	915	A++	7.83	8.5	380
	2.0+2.0+2.0+2.0+2.5	1.66	1.66	1.66	1.66	2.07	2.92	8.70	9.44	0.53	2.03	2.63	2.44	9.30	12.02	95	4.30	A	1015	A++	7.72	8.7	395
	2.0+2.0+2.0+2.0+3.5	1.57	1.57	1.57	1.57	2.74	3.07	9.00	9.83	0.56	1.90	2.88	2.57	8.70	13.20	95	4.75	A	950	A++	7.86	9.0	401
	2.0+2.0+2.0+2.0+4.2	1.48	1.48	1.48	1.48	3.10	3.17	9.00	10.07	0.60	1.89	3.02	2.74	8.65	13.81	95	4.77	A	945	A++	7.86	9.0	401
	2.0+2.0+2.0+2.0+5.0	1.38	1.38	1.38	1.38	3.46	3.29	9.00	10.29	0.60	1.85	3.11	2.74	8.47	14.22	95	4.87	A	925	A++	7.89	9.0	399
	2.0+2.0+2.0+2.0+6.0	1.29	1.29	1.29	1.29	3.86	3.43	9.00	10.52	0.60	1.83	3.03	2.74	8.38	13.85	95	4.92	A	915	A++	7.91	9.0	399
	2.0+2.0+2.0+2.0+7.1	1.19	1.19	1.19	1.19	4.23	3.59	9.00	10.67	0.63	1.82	3.10	2.86	8.33	14.17	95	4.97	A	910	A++	7.93	9.0	398
	2.0+2.0+2.0+2.5+2.5	1.64	1.64	1.64	2.05	2.05	2.99	9.00	9.64	0.56	2.09	2.75	2.57	9.57	12.59	95	4.32	A	1045	A++	7.76	9.0	406
	2.0+2.0+2.0+2.5+3.5	1.50	1.50	1.50	1.88	2.63	3.14	9.00	10.01	0.56	2.07	3.02	2.57	9.48	13.81	95	4.36	A	1035	A++	7.77	9.0	405
	2.0+2.0+2.0+2.5+4.2	1.42	1.42	1.42	1.77	2.98	3.24	9.00	10.17	0.60	2.06	3.08	2.74	9.43	14.09	95	4.38	A	1030	A++	7.78	9.0	405
	2.0+2.0+2.0+2.5+5.0	1.33	1.33	1.33	1.67	3.33	3.36	9.00	10.35	0.60	2.01	3.11	2.74	9.20	14.22	95	4.48	A	1005	A++	7.81	9.0	404
	2.0+2.0+2.0+2.5+6.0	1.24	1.24	1.24	1.55	3.72	3.50	9.00	10.59	0.63	1.99	3.03	2.86	9.11	13.85	95	4.53	A	995	A++	7.83	9.0	403
	2.0+2.0+2.0+2.5+7.1	1.15	1.15	1.15	1.44	4.10	3.66	9.00	10.71	0.65	1.97	3.10	2.99	9.02	14.17	95	4.58	A	985	A++	7.85	9.0	401
	2.0+2.0+2.0+3.5+3.5	1.38	1.38	1.38	2.42	2.42	2.99	9.00	9.64	0.56	2.06	2.75	2.57	9.43	12.59	95	4.38	A	1030	A++	7.78	9.0	405
	2.0+2.0+2.0+3.5+4.2	1.31	1.31	1.31	2.30	2.76	3.39	9.00	10.18	0.63	2.05	3.08	2.86	9.39	14.09	95	4.40	A	1025	A++	7.79	9.0	405
	2.0+2.0+2.0+3.5+5.0	1.24	1.24	1.24	2.17	3.10	3.50	9.00	10.36	0.63	2.00	3.11	2.86	9.16	14.22	95	4.50	A	1000	A++	7.82	9.0	403
	2.0+2.0+2.0+3.5+6.0	1.16	1.16	1.16	2.03	3.48	3.65	9.00	10.70	0.65	1.98	3.10	2.99	9.07	14.17	95	4.55	A	990	A++	7.84	9.0	402
	2.0+2.0+2.0+4.2+4.2	1.25	1.25	1.25	2.63	2.63	3.48	9.00	10.19	0.63	2.04	3.09	2.86	9.34	14.13	95	4.42	A	1020	A++	7.80	9.0	404
	2.0+2.0+2.0+4.2+5.0	1.18	1.18	1.18	2.49	2.96	3.60	9.00	10.68	0.65	2.00	3.46	2.99	9.16	15.84	95	4.52	A	1000	A++	7.83	9.0	403
	2.0+2.0+2.5+2.5+2.5	1.57	1.57	1.96	1.96	1.96	3.07	9.00	9.83	0.56	2.08	2.88	2.57	9.52	13.20	95	4.34	A	1040	A++	7.74	9.0	407
	2.0+2.0+2.5+2.5+3.5	1.44	1.44	1.80	1.80	2.52	3.21	9.00	10.16	0.60	2.06	3.08	2.74	9.43	14.09	95	4.38	A	1030	A++	7.76	9.0	406
	2.0+2.0+2.5+2.5+4.2	1.36	1.36	1.70	1.70	2.86	3.32	9.00	9.85	0.60	2.05	3.08	2.74	9.39	14.09	95	4.40	A	1025	A++	7.76	9.0	406
	2.0+2.0+2.5+2.5+5.0	1.29	1.29	1.61	1.61	3.21	3.43	9.00	10.35	0.63	2.00	3.11	2.86	9.16	14.22	95	4.50	A	1000	A++	7.79	9.0	404
	2.0+2.0+2.5+2.5+6.0	1.20	1.20	1.50	1.50	3.60	3.57	9.00	10.66	0.63	1.98	3.10	2.86	9.07	14.17	95	4.55	A	990	A++	7.81	9.0	403
	2.0+2.0+2.5+3.5+3.5	1.33	1.33	1.67	2.33	2.33	3.36	9.00	10.17	0.63	2.05	3.08	2.86	9.39	14.09	95	4.40	A	1025	A++	7.77	9.0	406
	2.0+2.0+2.5+3.5+4.2	1.27	1.27	1.58	2.22	2.66	3.46	9.00	9.85	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	406
	2.0+2.0+2.5+3.5+5.0	1.20	1.20	1.50	2.10	3.00	3.57	9.00	10.66	0.65	2.00	3.38	2.99	9.16	15.48	95	4.52	A	1000	A++	7.80	9.0	404
	2.0+2.0+2.5+4.2+4.2	1.21	1.21	1.51	2.54	2.54	3.56	9.00	10.65	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.78	9.0	405
	2.0+2.0+3.5+3.5+3.5	1.24	1.24	2.17	2.17	2.17	3.50	9.00	10.18	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	405
	2.0+2.0+3.5+3.5+4.2	1.18	1.18	2.07	2.07	2.49	3.60	9.00	10.68	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.78	9.0	405
	2.0+2.5+2.5+2.5+2.5	1.50	1.88	1.88	1.88	1.88	3.14	9.00	10.01	0.56	2.07	3.02	2.57	9.48	13.81	95	4.36	A	1035	A++	7.75	9.0	407
	2.0+2.5+2.5+2.5+3.5	1.38	1.73	1.73	1.73	2.42	3.29	9.00	10.16	0.60	2.05	3.08	2.74	9.39	14.09	95	4.40	A	1025	A++	7.76	9.0	406
	2.0+2.5+2.5+2.5+4.2	1.31	1.64	1.64	1.64	2.76	3.39	9.00	10.17	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.76	9.0	406
	2.0+2.5+2.5+2.5+5.0	1.24	1.55	1.55	1.55	3.10	3.50	9.00	10.35	0.63	2.00	3.11	2.86	9.16	14.22	95	4.52	A	1000	A++	7.80	9.0	404
	2.0+2.5+2.5+2.5+6.0	1.16	1.45	1.45	1.45	3.48	3.65	9.00	10.70	0.65	1.97	3.10	2.99	9.02	14.17	95	4.57	A	985	A++	7.82	9.0	403
	2.0+2.5+2.5+3.5+3.5	1.29	1.61	1.61	2.25	2.25	3.43	9.00	10.17	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	406
	2.0+2.5+2.5+3.5+4.2	1.22	1.53	1.53	2.14	2.57	3.53	9.00	10.62	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.77	9.0	405
	2.0+2.5+2.5+3.5+5.0	1.16	1.45	1.45	2.03	2.90	3.65	9.00	10.70	0.65	1.97	3.45	2.99	9.02	15.80	95	4.59	A	985	A++	7.83	9.0	403
	2.0+2.5+2.5+4.2+4.2	1.17	1.46	1.46	2.45	2.45	3.60	9.00	10.68	0.65	2.03	3.57	2.99	9.30	16.33	95	4.45	A	1015	A++	7.77	9.0	406
	2.0+2.5+3.5+3.5+3.5	1.20	1.50	2.10	2.10	2.10	3.57	9.00	10.63	0.65	2.02	3.57	2.99	9.25	16.33	95	4.47	A	1010	A++	7.78	9.0	405
	2.5+2.5+2.5+2.5+2.5	1.80	1.80	1.80	1.80	1.80	3.21	9.00	10.15	0.60	2.02	3.08	2.74	9.25	14.09	95	4.47	A	1010	A++	7.73	9.0	408
	2.5+2.5+2.5+2.5+3.5	1.67	1.67	1.67	1.67	2.33	3.36	9.00	10.16	0.63	2.01	3.08	2.86	9.20	14.09	95	4.49	A	1005	A++	7.74	9.0	407
	2.5+2.5+2.5+2.5+4.2	1.58	1.58	1.58	1.58	2.66	3.46	9.00	10.17	0.63	2.01	3.08	2.86	9.20	14.09	95	4.49	A	1005	A++	7.75	9.0	407
	2.5+2.5+2.5+2.5+5.0	1.50	1.50	1.50	1.50	3.00	3.57	9.00	10.66	0.65	2.00	3.45	2.99	9.16	15.80	95	4.51	A	1000	A++	7.75	9.0	407
	2.5+2.5+2.5+3.5+3.5	1.55	1.55	1.55	2.17	2.17	3.50	9.00	10.17	0.63	2.00	3.08	2.86	9.16	14.09	95	4.51	A	1000	A++	7.76	9.0	406
	2.5+2.5+2.5+3.5+4.2	1.48	1.48	1.48	2.07	2.49	3.60	9.00	10.68	0.65	1.99	3.57	2.99	9.11	16.33	95	4.53	A	995	A++	7.76	9.0	406
	2.5+2.5+3.5+3.5+3.5	1.45	1.45	2.03	2.03	2.03	3.65	9.00	10.63	0.65	1.99	3.57	2.99	9.11	16.33	95	4.53	A	995	A++	7.77	9.0	406

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5	1.90	---	---	---	---	1.28	1.90	4.15	0.28	0.53	1.31	1.29	2.43	5.98	95	3.59	---	---	---	---	---	---
	2.0	2.49	---	---	---	---	1.33	2.49	4.37	0.34	0.67	1.37	1.55	3.05	6.25	95	3.73	---	---	---	---	---	---
	2.5	3.11	---	---	---	---	1.39	3.11	4.84	0.36	0.88	1.47	1.64	4.04	6.71	95	3.53	---	---	---	---	---	---
	3.5	4.36	---	---	---	---	1.51	4.36	5.31	0.38	1.40	1.93	1.73	6.42	8.84	95	3.11	---	---	---	---	---	---
	4.2	5.23	---	---	---	---	1.56	5.23	6.16	0.40	1.63	2.06	1.82	7.45	9.42	95	3.22	---	---	---	---	---	---
	5.0	6.21	---	---	---	---	1.94	6.21	7.75	0.47	1.76	2.39	2.13	8.08	10.92	95	3.52	---	---	---	---	---	---
	6.0	7.46	---	---	---	---	2.23	7.46	9.05	0.58	2.25	2.86	2.66	10.32	13.09	95	3.31	---	---	---	---	---	---
	7.1	8.82	---	---	---	---	2.55	8.82	9.38	0.65	2.81	3.01	2.97	12.88	13.77	95	3.14	---	---	---	---	---	---
	1.5+1.5	1.85	1.85	---	---	---	1.51	3.70	7.45	0.37	0.88	1.85	1.68	4.03	8.47	95	4.21	A	A	3.87	3.50	1264	0.32
	1.5+2.0	1.84	2.46	---	---	---	1.57	4.30	7.83	0.35	1.04	2.01	1.59	4.76	9.20	95	4.16	A	A	3.88	3.50	1262	0.32
	1.5+2.5	1.84	3.06	---	---	---	1.72	4.90	8.02	0.37	1.20	2.08	1.68	5.50	9.52	95	4.09	A	A	3.89	3.50	1259	0.32
	1.5+3.5	1.83	4.27	---	---	---	2.02	6.10	8.57	0.44	1.68	2.37	2.02	7.69	10.85	95	3.64	A	A	3.91	3.80	1360	0.44
	1.5+4.2	1.84	5.16	---	---	---	2.23	7.00	8.92	0.42	1.99	2.59	1.94	9.11	11.85	95	3.52	B	A	3.92	3.80	1357	0.43
	1.5+5.0	1.85	6.15	---	---	---	2.48	8.00	10.45	0.44	2.17	2.93	2.02	9.94	13.41	95	3.70	A	A+	4.00	4.50	1573	0.73
	1.5+6.0	1.80	7.20	---	---	---	2.77	9.00	10.65	0.48	2.47	2.72	2.19	11.31	12.45	95	3.65	A	A+	4.01	4.50	1570	0.72
	1.5+7.1	1.74	8.26	---	---	---	3.09	10.00	10.67	0.52	2.90	2.70	2.37	13.28	12.36	95	3.45	B	A+	4.02	4.50	1567	0.7
	2.0+2.0	2.45	2.45	---	---	---	1.72	4.90	8.02	0.37	1.19	2.33	1.68	5.45	10.66	95	4.13	A	A	3.86	3.50	1267	0.32
	2.0+2.5	2.44	3.06	---	---	---	1.88	5.50	8.19	0.39	1.37	2.34	1.76	6.28	10.71	95	4.03	A	A	3.87	3.50	1265	0.31
	2.0+3.5	2.44	4.26	---	---	---	2.17	6.70	8.74	0.47	1.75	2.45	2.15	8.01	11.21	95	3.85	A	A	3.92	3.80	1355	0.43
	2.0+4.2	2.45	5.15	---	---	---	2.39	7.60	9.10	0.58	2.04	2.68	2.67	9.34	12.27	95	3.74	A	A	3.93	3.80	1353	0.43
	2.0+5.0	2.43	6.07	---	---	---	2.62	8.50	10.63	0.59	2.35	3.02	2.71	10.76	13.82	95	3.63	A	A+	4.03	4.50	1564	0.73
	2.0+6.0	2.33	6.98	---	---	---	2.92	9.30	10.82	0.61	2.62	2.72	2.80	12.00	12.45	95	3.55	B	A+	4.03	4.50	1560	0.71
	2.0+7.1	2.20	7.80	---	---	---	3.23	10.00	10.92	0.65	2.90	2.93	2.97	13.28	13.41	95	3.46	B	A+	4.04	4.50	1557	0.69
	2.5+2.5	3.05	3.05	---	---	---	2.02	6.10	8.52	0.44	1.73	2.38	2.02	7.92	10.89	95	3.54	B	A	3.88	3.50	1263	0.31
	2.5+3.5	3.04	4.26	---	---	---	2.33	7.30	9.12	0.56	2.08	2.70	2.58	9.52	12.36	95	3.52	B	A	3.93	3.80	1352	0.43
	2.5+4.2	3.06	5.14	---	---	---	2.54	8.20	9.38	0.61	2.35	2.93	2.80	10.76	13.41	95	3.50	B	A	3.94	3.80	1349	0.43
	2.5+5.0	3.00	6.00	---	---	---	2.77	9.00	10.72	0.62	2.58	3.11	2.84	11.81	14.23	95	3.49	B	A+	4.05	4.50	1552	0.73
	2.5+6.0	2.82	6.78	---	---	---	3.06	9.60	10.92	0.63	2.76	2.79	2.88	12.64	12.77	95	3.48	B	A+	4.06	4.50	1549	0.71
	2.5+7.1	2.60	7.40	---	---	---	3.38	10.00	11.20	0.68	2.89	3.18	3.10	13.23	14.55	95	3.47	B	A+	4.07	4.50	1546	0.69
	3.5+3.5	4.25	4.25	---	---	---	2.62	8.50	9.57	0.61	2.54	2.90	2.80	11.63	13.27	95	3.35	C	A+	4.03	4.50	1561	0.74
	3.5+4.2	4.09	4.91	---	---	---	2.83	9.00	10.18	0.66	2.77	3.25	3.01	12.68	14.87	95	3.25	C	A+	4.04	4.50	1558	0.73
	3.5+5.0	3.91	5.59	---	---	---	3.06	9.50	10.94	0.67	2.73	3.15	3.05	12.50	14.42	95	3.48	B	A+	4.09	5.20	1777	1.04
	3.5+6.0	3.68	6.32	---	---	---	3.35	10.00	11.18	0.68	2.77	3.16	3.10	12.68	14.46	95	3.62	A	A+	4.11	5.20	1770	1.02
	3.5+7.1	3.30	6.70	---	---	---	3.66	10.00	11.21	0.72	2.73	3.01	3.31	12.50	13.78	95	3.67	A	A+	4.13	5.20	1763	1
	4.2+4.2	4.75	4.75	---	---	---	3.03	9.50	9.99	0.68	2.62	3.25	3.10	12.00	14.87	95	3.63	A	A+	4.05	4.50	1555	0.73
	4.2+5.0	4.57	5.43	---	---	---	3.26	10.00	10.95	0.69	2.78	3.21	3.14	12.73	14.69	95	3.61	A	A+	4.16	5.20	1748	1.03
	4.2+6.0	4.12	5.88	---	---	---	3.55	10.00	11.19	0.71	2.74	3.15	3.23	12.55	14.42	95	3.66	A	A+	4.18	5.20	1741	1.01
	4.2+7.1	3.72	6.28	---	---	---	3.87	10.00	11.21	0.74	2.69	3.07	3.40	12.32	14.05	95	3.72	A	A+	4.19	5.20	1734	1
	5.0+5.0	5.00	5.00	---	---	---	3.49	10.00	11.12	0.71	2.71	3.13	3.27	12.41	14.32	95	3.70	A	A+	4.05	6.46	2229	1.59
	5.0+6.0	4.55	5.45	---	---	---	3.77	10.00	11.32	0.71	2.67	3.05	3.23	12.22	13.96	95	3.75	A	A+	4.07	6.46	2220	1.57
	5.0+7.1	4.13	5.87	---	---	---	4.09	10.00	11.35	0.78	2.63	2.83	3.57	12.04	12.95	95	3.80	A	A+	4.09	6.46	2211	1.55
	6.0+6.0	5.00	5.00	---	---	---	4.07	10.00	11.14	0.71	2.65	2.80	3.27	12.13	12.81	95	3.79	A	A+	4.08	6.46	2215	1.57
	6.0+7.1	4.58	5.42	---	---	---	4.39	10.00	11.17	0.79	2.62	2.79	3.61	12.00	12.77	95	3.82	A	A+	4.10	6.46	2206	1.55
	7.1+7.1	5.00	5.00	---	---	---	4.70	10.00	11.20	0.84	2.60	2.78	3.83	11.90	12.72	95	3.86	A	A+	4.09	6.46	2207	1.54
	1.5+1.5+1.5	1.83	1.83	1.83	---	---	1.88	5.50	9.97	0.44	1.20	2.28	2.02	5.50	10.43	95	4.59	A	A+	4.00	4.80	1679	0.83
	1.5+1.5+2.0	1.83	1.83	2.44	---	---	2.02	6.10	10.15	0.46	1.38	2.36	2.11	6.32	10.80	95	4.43	A	A+	4.01	4.80	1674	0.83
	1.5+1.5+2.5	1.83	1.83	3.05	---	---	2.17	6.70	10.23	0.48	1.59	2.39	2.19	7.28	10.94	95	4.23	A	A+	4.02	4.80	1669	0.82
	1.5+1.5+3.5	1.85	1.85	4.31	---	---	2.48	8.00	10.34	0.52	2.05	2.51	2.37	9.39	11.49	95	3.91	A	A+	4.02	5.50	1914	1.12
	1.5+1.5+4.2	1.81	1.81	5.08	---	---	2.68	8.70	10.34	0.56	2.29	2.51	2.58	10.49	11.49	95	3.81	A	A+	4.03	5.50	1908	1.12
	1.5+1.5+5.0	1.74	1.74	5.81	---	---	2.92	9.30	10.51	0.56	2.48	2.61	2.58	11.36	11.95	95	3.76	A	A+	4.12	6.46	2191	1.54
	1.5+1.5+6.0	1.58	1.58	6.33	---	---	3.20	9.50	11.14	0.57	2.48	2.80	2.62	11.36	12.81	95	3.84	A	A+	4.15	6.46	2175	1.52
	1.5+1.5+7.1	1.49	1.49	7.03	---	---	3.52	10.00	11.18	0.61	2.70	2.79	2.80	12.36	12.77	95	3.71	A	A+	4.18	6.46	2159	1.5
	1.5+2.0+2.0	1.83	2.44	2.44	---	---	2.17	6.70	10.31	0.48	1.60	2.43	2.19	7.33	11.12	95	4.21	A	A+	4.01	4.80	1672	0.82
	1.5+2.0+2.5	1.83	2.43	3.04	---	---	2.33	7.30	10.41	0.50	1.77	2.46	2.28	8.11	11.26	95	4.14	A	A+	4.04	4.80	1663	0.82
	1.5+2.0+3.5	1.82	2.43	4.25	---	---	2.63	8.50	10.50	0.54	2.21	2.60	2.45	10.12	11.90	95	3.86	A	A+	4.02	5.50	1912	1.12
	1.5+2.0+4.2	1.75	2.34	4.91	---	---	2.83	9.00	10.51	0.58	2.39	2.66	2.67	10.94	12.17	95	3.77	A	A+	4.03	5.50	1906	1.11
	1.5+2.0+5.0	1.76	2.35	5.88	---	---	3.06	10.00	10.93	0.58	2.77	2.66	2.67	12.68	12.17	95	3.62	A	A+	4.13	6.46	2189	1.53
	1.5+2.0+6.0	1.58	2.11	6.32	---	---	3.35	10.00	11.14	0.60	2.71	2.80	2.75	12.41	12.81	95	3.70	A	A+	4.16	6.46	2173	1.51
	1.5+2.0+7.1	1.42	1.89	6.70	---	---	3.66	10.00	11.18	0.64	2.69	2.79	2.93	12.32	12.77	95	3.73	A	A+	4.19	6.46	2157	1.49
	1.5+2.5+2.5	1.85	3.08	3.08	---	---	2.48	8.00	10.52	0.52	2.00	2.46	2.37	9.16	11.26	95	4.01	A	A+	4.05	4.80	1657	0.82
	1.5+2.5+3.5	1.80	3.00	4.20	---	---	2.77	9.00	10.63	0.56	2.35	2.66	2.58	10.76	12.17	95	3.83	A	A+	4.05	5.50	1901	1.11
	1.5+2.5+4.2	1.83	3.05	5.12	---	---	2.97	10.00	10.63	0.60	2.74	2.66	2.75	12.55	12.17	95	3.66	A	A+	4.06	5.50	1895	1.11
	1.5+2.5+5.0	1.67	2.78	5.56	---	---	3.20	10.00	11.05	0.61	2.63	2.82	2.80	12.04	12.91	95	3.81	A	A+	4.15	6.46	2176	1.53
	1.5+2.5+6.0	1.50	2.50	6.00	---	---	3.49	10.00	11.14	0.62	2.58	2.80	2.84	11.81	12.81	95	3.89	A	A+	4.18	6.46	2160	1.51
	1.5+2.5+7.1	1.35	2.25	6.40	---	---	3.80	10.00	11.18	0.66	2.53	2.79	3.01	11.58	12.77	95	3.97	A	A+	4.21	6.46	2145	1.49
	1.5+3.5+3.5	1.76	4.12	4.12	---	---	3.06	10.00	10.64	0.60	2.74	2.66	2.75	12.55	12.17	95	3.66	A	A+	4.09	6.46	2208	1.54
	1.5+3.5+4.2	1.63	3.80	4.57	---	---	3.26	10.00	10.78	0.65	2.72	2.87	2.97	12.45	13.14	95	3.69	A	A+	4.10	6.46	2201	1.54
	1.5+3.5+5.0	1.50	3.50	5.00	---	---	3.49	10.00	10.98	0.66	2.61	2.82	3.01	11.95	12.91	95	3.84	A	A+	4.16	6.46	2169	1.52
	1.5+3.5+6.0	1.36	3.18	5.45	---	---	3.77	10.00	11.15	0.67	2.56	2.80	3.05	11.72	12.81	95	3.92	A	A+	4.20	6.46	2154	1.51
	1.5+3.5+7.1	1.24	2.89	5.87	---	---	4.09	10.00	11.18	0.73	2.51	2.79	3.36	11.49	12.77	95	4.00	A	A+	4.23	6.46	2138	1.49
	1.5+4.2+4.2	1.52	4.24	4.24	---	---	3.46	10.00	10.90	0.68	2.69	2.92	3.10	12.32	13.36	95	3.72	A	A+	4.12	6.46	2194	1.53
	1.5+4.2+5.0	1.40	3.93	4.67	---	---	3.69	10.00	11.03	0.71	2.59	2.82	3.23	11.86	12.91	95	3.87	A	A+	4.18	6.46	2162	1.52
	1.5+4.2+6.0	1.28	3.59	5.13	---	---	3.98	10.00	11.27	0.71	2.54	2.80	3.27	11.63	12.81	95	3.95	A	A+	4.21	6.46	2147	1.5
	1.5+4.2+7.1	1.17	3.28	5.55	---	---	4.29	10.00	11.30	0.76	2.49	2.78	3.48	11.40	12.72	95	4.03	A	A+	4.24	6.46	2132	1.48
	1.5+5.0+5.0	1.30	4.35	4.35	---	---	3.92	10.00	11.17	0.71	2.50	2.83	3.23	11.45	12.95	95	4.00	A	A+	4.19	6.46	2156	1.52
	1.5+5.0+6.0	1.20	4.00	4.80	---	---	4.21	10.00	11.41	0.71	2.46	2.75	3.27	11.26	12.59	95	4.08	A	A+	4.22	6.46	2140	1.5
	1.5+5.0+7.1	1.10	3.68	5.22	---	---	4.53	10.00	11.44	0.79	2.41	2.73	3.61	11.03	12.49	95	4.16	A	A+	4.25	6.46	2125	1.48
	1.5+6.0+6.0	1.11	4.44	4.44	---	---	4.50	10.00	11.65	0.72	2.42	2.67	3.31	11.08	12.22	95	4.14	A	A+	4.24	6.46	2133	1.49
	1.5+6.0+7.1	1.32	3.97	4.70	---	---	4.81	10.00	11.68	0.79	2.40	2.66	3.61	10.99	12.17	95	4.18	A	A+	4.26	6.46	2119	1.48

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	2.0+2.0+2.0	2.50	2.50	2.50	---	---	2.33	7.50	10.49	0.50	1.77	2.50	2.28	8.11	11.44	95	4.24	A	A+	4.03	4.80	1665	0.81
	2.0+2.0+2.5	2.46	2.46	3.08	---	---	2.48	8.00	10.57	0.52	1.92	2.54	2.37	8.79	11.62	95	4.18	A	A+	4.04	4.80	1660	0.8
	2.0+2.0+3.5	2.40	2.40	4.20	---	---	2.77	9.00	10.68	0.56	2.27	2.66	2.58	10.39	12.17	95	3.98	A	A+	4.06	5.60	1931	1.15
	2.0+2.0+4.2	2.29	2.29	4.81	---	---	2.97	9.40	10.68	0.60	2.47	2.66	2.75	11.31	12.17	95	3.81	A	A+	4.07	5.60	1925	1.14
	2.0+2.0+5.0	2.22	2.22	5.56	---	---	3.20	10.00	10.90	0.61	2.76	2.82	2.80	12.64	12.91	95	3.63	A	A+	4.16	6.46	2174	1.52
	2.0+2.0+6.0	2.00	2.00	6.00	---	---	3.49	10.00	11.14	0.62	2.72	2.80	2.84	12.45	12.81	95	3.68	A	A+	4.19	6.46	2158	1.5
	2.0+2.0+7.1	1.80	1.80	6.40	---	---	3.80	10.00	11.18	0.66	2.67	2.79	3.01	12.22	12.77	95	3.75	A	A+	4.22	6.46	2142	1.48
	2.0+2.5+2.5	2.43	3.04	3.04	---	---	2.62	8.50	10.59	0.54	2.15	2.63	2.45	9.84	12.04	95	3.97	A	A+	4.07	5.00	1716	0.89
	2.0+2.5+3.5	2.33	2.91	4.07	---	---	2.92	9.30	10.68	0.58	2.45	2.66	2.67	11.22	12.17	95	3.80	A	A+	4.09	5.60	1913	1.14
	2.0+2.5+4.2	2.30	2.87	4.83	---	---	3.12	10.00	10.77	0.63	2.77	2.87	2.88	12.68	13.14	95	3.62	A	A+	4.11	5.60	1908	1.14
	2.0+2.5+5.0	2.11	2.63	5.26	---	---	3.35	10.00	11.11	0.63	2.73	2.82	2.88	12.50	12.91	95	3.67	A	A+	4.19	6.46	2154	1.51
	2.0+2.5+6.0	1.90	2.38	5.71	---	---	3.63	10.00	11.14	0.64	2.68	2.80	2.93	12.27	12.81	95	3.74	A	A+	4.22	6.46	2139	1.49
	2.0+2.5+7.1	1.72	2.16	6.12	---	---	3.95	10.00	11.18	0.69	2.66	2.79	3.14	12.18	12.77	95	3.77	A	A+	4.25	6.46	2124	1.48
	2.0+3.5+3.5	2.22	3.89	3.89	---	---	3.20	10.00	10.77	0.65	2.76	2.87	2.97	12.64	13.14	95	3.63	A	A+	4.25	6.46	2126	1.52
	2.0+3.5+4.2	2.06	3.61	4.33	---	---	3.41	10.00	10.97	0.68	2.75	2.97	3.10	12.59	13.59	95	3.64	A	A+	4.26	6.46	2120	1.52
	2.0+3.5+5.0	1.90	3.33	4.76	---	---	3.63	10.00	11.34	0.68	2.73	3.04	3.10	12.50	13.91	95	3.67	A	A+	4.32	6.46	2090	1.51
	2.0+3.5+6.0	1.74	3.04	5.22	---	---	3.92	10.00	11.34	0.69	2.68	2.80	3.14	12.27	12.81	95	3.74	A	A+	4.35	6.46	2076	1.49
	2.0+3.5+7.1	1.59	2.78	5.63	---	---	4.23	10.00	11.35	0.76	2.72	2.79	3.48	12.45	12.77	95	3.69	A	A+	4.38	6.46	2062	1.47
	2.0+4.2+4.2	1.92	4.04	4.04	---	---	3.60	10.00	10.98	0.70	2.73	2.97	3.18	12.50	13.59	95	3.67	A	A+	4.28	6.46	2113	1.52
	2.0+4.2+5.0	1.79	3.75	4.46	---	---	3.84	10.00	11.35	0.72	2.71	3.04	3.31	12.41	13.91	95	3.70	A	A+	4.34	6.46	2084	1.51
	2.0+4.2+6.0	1.64	3.44	4.92	---	---	4.12	10.00	11.37	0.73	2.60	2.80	3.36	11.90	12.81	95	3.85	A	A+	4.37	6.46	2069	1.49
	2.0+4.2+7.1	1.50	3.16	5.34	---	---	4.44	10.00	11.40	0.78	2.55	2.78	3.57	11.68	12.72	95	3.92	A	A+	4.40	6.46	2055	1.47
	2.0+5.0+5.0	1.67	4.17	4.17	---	---	4.07	10.00	11.06	0.75	2.59	2.83	3.44	11.86	12.95	95	3.87	A	A+	4.35	6.46	2077	1.5
	2.0+5.0+6.0	1.54	3.85	4.62	---	---	4.36	10.00	11.29	0.74	2.55	2.75	3.40	11.68	12.59	95	3.92	A	A+	4.38	6.46	2063	1.48
	2.0+5.0+7.1	1.42	3.55	5.04	---	---	4.67	10.00	11.33	0.81	2.53	2.73	3.70	11.58	12.49	95	3.95	A	A+	4.41	6.46	2049	1.46
	2.0+6.0+6.0	1.43	4.29	4.29	---	---	4.64	10.00	11.53	0.77	2.44	2.67	3.53	11.17	12.22	95	4.11	A	A+	4.39	6.46	2057	1.48
	2.0+6.0+7.1	1.32	3.97	4.70	---	---	4.96	10.00	11.56	0.82	2.39	2.66	3.74	10.94	12.17	95	4.20	A	A+	4.42	6.46	2043	1.46
	2.5+2.5+2.5	3.33	3.33	3.33	---	---	2.77	10.00	10.72	0.56	2.67	2.66	2.58	12.22	12.17	95	3.76	A	A+	4.09	5.00	1709	0.88
	2.5+2.5+3.5	2.94	2.94	4.12	---	---	3.06	10.00	10.92	0.63	2.63	2.74	2.88	12.04	12.54	95	3.81	A	A+	4.11	5.60	1906	1.13
	2.5+2.5+4.2	2.72	2.72	4.57	---	---	3.26	10.00	11.04	0.65	2.61	2.87	2.97	11.95	13.14	95	3.84	A	A+	4.12	5.60	1900	1.13
	2.5+2.5+5.0	2.50	2.50	5.00	---	---	3.49	10.00	11.33	0.66	2.51	3.04	3.01	11.49	13.91	95	4.00	A	A+	4.20	6.46	2152	1.5
	2.5+2.5+6.0	2.27	2.27	5.45	---	---	3.77	10.00	11.35	0.67	2.46	2.80	3.05	11.26	12.81	95	4.07	A	A+	4.23	6.46	2136	1.48
	2.5+2.5+7.1	2.07	2.07	5.87	---	---	4.09	10.00	11.37	0.73	2.41	2.79	3.36	11.03	12.77	95	4.15	A	A+	4.26	6.46	2121	1.46
	2.5+3.5+3.5	2.63	3.68	3.68	---	---	3.35	10.00	11.19	0.68	2.57	3.08	3.10	11.77	14.10	95	3.90	A	A+	4.15	6.46	2176	1.51
	2.5+3.5+4.2	2.45	3.43	4.12	---	---	3.55	10.00	11.20	0.70	2.55	3.08	3.18	11.68	14.10	95	3.93	A	A+	4.16	6.46	2170	1.51
	2.5+3.5+5.0	2.27	3.18	4.55	---	---	3.77	10.00	11.34	0.71	2.45	3.04	3.23	11.22	13.91	95	4.09	A	A+	4.22	6.46	2139	1.49
	2.5+3.5+6.0	2.08	2.92	5.00	---	---	4.07	10.00	11.35	0.71	2.40	2.80	3.27	10.99	12.81	95	4.17	A	A+	4.25	6.46	2124	1.48
	2.5+3.5+7.1	1.91	2.67	5.42	---	---	4.39	10.00	11.40	0.78	2.36	2.79	3.57	10.81	12.77	95	4.25	A	A+	4.28	6.46	2110	1.46
	2.5+4.2+4.2	2.29	3.85	3.85	---	---	3.75	10.00	11.20	0.72	2.53	3.08	3.31	11.58	14.10	95	3.96	A	A+	4.18	6.46	2163	1.5
	2.5+4.2+5.0	2.14	3.59	4.27	---	---	3.98	10.00	11.35	0.75	2.43	3.04	3.44	11.13	13.91	95	4.12	A	A+	4.24	6.46	2133	1.49
	2.5+4.2+6.0	1.97	3.31	4.72	---	---	4.26	10.00	11.37	0.76	2.39	2.80	3.48	10.94	12.81	95	4.20	A	A+	4.27	6.46	2118	1.47
	2.5+4.2+7.1	1.81	3.04	5.14	---	---	4.58	10.00	11.40	0.81	2.34	2.78	3.70	10.71	12.72	95	4.28	A	A+	4.30	6.46	2103	1.45
	2.5+5.0+5.0	2.00	4.00	4.00	---	---	4.21	10.00	11.06	0.78	2.41	2.83	3.57	11.03	12.95	95	4.15	A	A+	4.25	6.46	2126	1.49
	2.5+5.0+6.0	1.85	3.70	4.44	---	---	4.50	10.00	11.29	0.79	2.37	2.75	3.61	10.85	12.59	95	4.23	A	A+	4.28	6.46	2111	1.47
	2.5+5.0+7.1	1.71	3.42	4.86	---	---	4.81	10.00	11.33	0.84	2.33	2.73	3.83	10.67	12.49	95	4.31	A	A+	4.31	6.46	2097	1.45
	2.5+6.0+6.0	1.72	4.14	4.14	---	---	4.78	10.00	11.53	0.80	2.35	2.67	3.66	10.76	12.22	95	4.26	A	A+	4.29	6.46	2105	1.46
	2.5+6.0+7.1	1.60	3.85	4.55	---	---	5.10	10.00	11.56	0.85	2.31	2.66	3.87	10.58	12.17	95	4.34	A	A+	4.32	6.46	2091	1.45
	3.5+3.5+3.5	3.33	3.33	3.33	---	---	3.63	10.00	11.19	0.72	2.66	3.08	3.31	12.18	14.10	95	3.77	A	A+	4.28	6.46	2111	1.48
	3.5+3.5+4.2	3.13	3.13	3.75	---	---	3.84	10.00	11.20	0.75	2.63	3.08	3.44	12.04	14.10	95	3.80	A	A+	4.29	6.46	2105	1.48
	3.5+3.5+5.0	2.92	2.92	4.17	---	---	4.07	10.00	11.35	0.78	2.53	3.04	3.57	11.58	13.91	95	3.96	A	A+	4.35	6.46	2076	1.47
	3.5+3.5+6.0	2.69	2.69	4.62	---	---	4.36	10.00	11.38	0.79	2.48	2.80	3.61	11.36	12.81	95	4.04	A	A+	4.38	6.46	2062	1.45
	3.5+3.5+7.1	2.48	2.48	5.04	---	---	4.67	10.00	11.39	0.84	2.43	2.78	3.83	11.13	12.72	95	4.12	A	A+	4.41	6.46	2048	1.43
	3.5+4.2+4.2	2.94	3.53	3.53	---	---	4.04	10.00	11.21	0.80	2.61	3.07	3.66	11.95	14.05	95	3.84	A	A+	4.31	6.46	2098	1.48
	3.5+4.2+5.0	2.76	3.31	3.94	---	---	4.26	10.00	11.22	0.80	2.51	2.87	3.66	11.49	13.14	95	4.00	A	A+	4.37	6.46	2070	1.46
	3.5+4.2+6.0	2.55	3.07	4.38	---	---	4.55	10.00	11.25	0.82	2.46	2.79	3.74	11.26	12.77	95	4.07	A	A+	4.40	6.46	2055	1.45
	3.5+4.2+7.1	2.36	2.84	4.80	---	---	4.88	10.00	11.27	0.89	2.41	2.78	4.09	11.03	12.72	95	4.15	A	A+	4.43	6.46	2042	1.43
	3.5+5.0+5.0	2.59	3.70	3.70	---	---	4.50	10.00	11.07	0.84	2.49	2.82	3.83	11.40	12.91	95	4.03	A	A+	4.38	6.46	2063	1.46
	3.5+5.0+6.0	2.41	3.45	4.14	---	---	4.78	10.00	11.29	0.85	2.44	2.74	3.87	11.17	12.54	95	4.11	A	A+	4.41	6.46	2049	1.44
	3.5+5.0+7.1	2.24	3.21	4.55	---	---	5.10	10.00	11.34	0.89	2.39	2.73	4.09	10.94	12.49	95	4.19	A	A+	4.44	6.46	2036	1.42
	3.5+6.0+6.0	2.26	3.87	3.87	---	---	5.07	10.00	11.53	0.86	2.42	2.67	3.91	11.08	12.22	95	4.14	A	A+	4.42	6.46	2043	1.44
	4.2+4.2+4.2	3.33	3.33	3.33	---	---	4.23	10.00	11.22	0.83	2.59	3.07	3.79	11.86	14.05	95	3.87	A	A+	4.32	6.46	2091	1.47
	4.2+4.2+5.0	3.13	3.13	3.73	---	---	4.47	10.00	11.25	0.86	2.49	2.87	3.91	11.40	13.14	95	4.03	A	A+	4.38	6.46	2063	1.46
	4.2+4.2+6.0	2.92	2.92	4.17	---	---	4.75	10.00	11.27	0.86	2.44	2.79	3.96	11.17	12.77	95	4.11	A	A+	4.41	6.46	2049	1.44
	4.2+4.2+7.1	2.71	2.71	4.58	---	---	5.07	10.00	11.30	0.92	2.39	2.78	4.22	10.94	12.72	95	4.19	A	A+	4.44	6.46	2036	1.42
	4.2+5.0+5.0	2.96	3.52	3.52	---	---	4.70	10.00	11.07	0.86	2.47	2.82	3.91	11.31	12.91	95	4.06	A	A+	4.39	6.46	2057	1.46
	4.2+5.0+6.0	2.76	3.29	3.95	---	---	4.99	10.00	11.30	0.87	2.42	2.74	4.00	11.08	12.54	95	4.14	A	A+	4.42	6.46	2043	1.44
	5.0+5.0+5.0	3.33	3.33	3.33	---	---	4.93	10.00	11.20	0.89	2.45	2.78	4.09	11.22	12.72	95	4.09	A	A+	4.41	6.46	2051	1.45
	1.5+1.5+1.5+1.5	1.83	1.83	1.83	1.83	---	2.33	7.30	10.12	0.43	1.71	2.14	1.98	7.83	9.79	95	4.29	A	A+	4.01	6.46	2252	1.5
	1.5+1.5+1.5+2.0	1.85	1.85	1.85	2.46	---	2.48	8.00	10.30	0.45	1.93	2.24	2.06	8.84	10.25	95	4.15	A	A+	4.03	6.46	2242	1.49
	1.5+1.5+1.5+2.5	1.82	1.82	1.82	3.04	---	2.63	8.50	10.41	0.47	2.07	2.24	2.15	9.48	10.25	95	4.11	A	A+	4.05	6.46	2233	1.49
	1.5+1.5+1.5+3.5	1.74	1.74	1.74	4.07	---	2.92	9.30	10.60	0.51	2.32	2.53	2.32	10.62	11.58	95	4.02	A	A+	4.08	6.46	2214	1.48
	1.5+1.5+1.5+4.2	1.72	1.72	1.72	4.83	---	3.12	10.00	11.17	0.55	2.60	2.79	2.54	11.90	12.77	95	3.85	A	A+	4.08	6.46	2216	1.48
	1.5+1.5+1.5+5.0	1.58	1.58	1.58	5.26	---	3.35	10.00	11.29	0.55	2.50	2.74	2.54	11.45	12.54	95	4.01	A	A+	4.15	6.46	2179	1.47
	1.5+1.5+1.5+6.0	1.43	1.43	1.43	5.71	---	3.63	10.00	11.53	0.56	2.45	2.67	2.58	11.22	12.22	95	4.09	A	A+	4.18	6.46	2161	1.46
	1.5+1.5+1.5+7.1	1.29	1.29	1.29	6.12	---	3.95	10.00	11.56	0.62	2.40	2.65	2.84	10.99	12.13	95	4.18	A	A+	4.21	6.46	2145	1.46
	1.5+1.5+2.0+2.0	1.82	1.82	2.43	2.43	---	2.63	8.50	10.49	0.47	2.04	2.28	2.15	9.34	10.43	95	4.18	A	A+	4.13	6.46	2187	1.49
	1.5+1.5+2.0+2.5	1.80	1.80	2.40	3.00	---	2.77	9.00	10.59	0.49	2.19	2.54	2.24	10.03	11.62	95	4.12	A	A+	4.15	6.46	2178	1.49
	1.5+1.5+2.0+3.5	1.76	1.76	2.35	4.12	---	3.06	10.00	10.69	0.55	2.52	2.53	2.54	11.54	11.58	95	3.98	A	A+	4.18	6.46	2160	1.48
	1.5+1.5+2.0+4.2	1.63	1.63	2.17	4.57	---	3.26	10.00	11.17	0.57	2.50	2.79	2.62	11.45	12.77	95	4.01	A	A+	4.18	6.46	2163	1.48

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+1.5+2.0+5.0	1.50	1.50	2.00	5.00	---	3.49	10.00	11.29	0.60	2.40	2.74	2.75	10.99	12.54	95	4.18	A	A+	4.25	6.46	2128	1.46
	1.5+1.5+2.0+6.0	1.36	1.36	1.82	5.45	---	3.77	10.00	11.53	0.58	2.35	2.67	2.67	10.76	12.22	95	4.26	A	A+	4.28	6.46	2112	1.46
	1.5+1.5+2.0+7.1	1.24	1.24	1.65	5.87	---	4.09	10.00	11.56	0.65	2.31	2.65	2.97	10.58	12.13	95	4.34	A	A+	4.31	6.46	2096	1.46
	1.5+1.5+2.5+2.5	1.88	1.88	3.13	3.13	---	2.92	10.00	10.59	0.54	2.54	2.54	2.45	11.63	11.62	95	3.95	A	A+	4.17	6.46	2168	1.48
	1.5+1.5+2.5+3.5	1.67	1.67	2.78	3.89	---	3.20	10.00	11.16	0.57	2.50	2.80	2.62	11.45	12.81	95	4.01	A	A+	4.18	6.46	2162	1.48
	1.5+1.5+2.5+4.2	1.55	1.55	2.58	4.33	---	3.41	10.00	11.17	0.59	2.48	2.79	2.71	11.36	12.77	95	4.05	A	A+	4.19	6.46	2154	1.47
	1.5+1.5+2.5+5.0	1.43	1.43	2.38	4.76	---	3.63	10.00	11.29	0.62	2.38	2.74	2.84	10.90	12.54	95	4.21	A	A+	4.26	6.46	2120	1.46
	1.5+1.5+2.5+6.0	1.30	1.30	2.17	5.22	---	3.92	10.00	11.53	0.63	2.34	2.67	2.88	10.71	12.22	95	4.29	A	A+	4.30	6.46	2104	1.46
	1.5+1.5+2.5+7.1	1.19	1.19	1.98	5.63	---	4.23	10.00	11.56	0.67	2.29	2.65	3.05	10.49	12.13	95	4.37	A	A+	4.33	6.46	2088	1.45
	1.5+1.5+3.5+3.5	1.50	1.50	3.50	3.50	---	3.49	10.00	11.17	0.62	2.48	2.79	2.84	11.36	12.77	95	4.05	A	A+	4.20	6.46	2154	1.47
	1.5+1.5+3.5+4.2	1.40	1.40	3.27	3.93	---	3.69	10.00	11.17	0.64	2.46	2.79	2.93	11.26	12.77	95	4.08	A	A+	4.21	6.46	2146	1.47
	1.5+1.5+3.5+5.0	1.30	1.30	3.04	4.35	---	3.92	10.00	11.30	0.67	2.36	2.74	3.05	10.81	12.54	95	4.24	A	A+	4.28	6.46	2112	1.46
	1.5+1.5+3.5+6.0	1.20	1.20	2.80	4.80	---	4.21	10.00	11.54	0.68	2.32	2.66	3.10	10.62	12.17	95	4.32	A	A+	4.31	6.46	2096	1.45
	1.5+1.5+3.5+7.1	1.10	1.10	2.57	5.22	---	4.53	10.00	11.58	0.74	2.28	2.65	3.40	10.44	12.13	95	4.40	A	A+	4.34	6.46	2080	1.45
	1.5+1.5+4.2+4.2	1.32	1.32	3.68	3.68	---	3.90	10.00	11.18	0.69	2.44	2.79	3.14	11.17	12.77	95	4.11	A	A+	4.23	6.46	2137	1.46
	1.5+1.5+4.2+5.0	1.23	1.23	3.44	4.10	---	4.12	10.00	11.32	0.71	2.34	2.74	3.27	10.71	12.54	95	4.27	A	A+	4.30	6.46	2103	1.45
	1.5+1.5+4.2+6.0	1.14	1.14	3.18	4.55	---	4.41	10.00	11.55	0.72	2.30	2.66	3.31	10.53	12.17	95	4.36	A	A+	4.33	6.46	2088	1.45
	1.5+1.5+4.2+7.1	1.05	1.05	2.94	4.97	---	4.72	10.00	11.59	0.76	2.26	2.65	3.48	10.35	12.13	95	4.44	A	A+	4.36	6.46	2072	1.45
	1.5+1.5+5.0+5.0	1.15	1.15	3.85	3.85	---	4.36	10.00	11.45	0.71	2.33	2.70	3.27	10.67	12.36	95	4.31	A	A+	4.31	6.46	2095	1.45
	1.5+1.5+5.0+6.0	1.07	1.07	3.57	4.29	---	4.64	10.00	11.68	0.72	2.28	2.67	3.31	10.44	12.22	95	4.39	A	A+	4.34	6.46	2080	1.45
	1.5+1.5+5.0+7.1	0.99	0.99	3.31	4.70	---	4.96	10.00	11.72	0.79	2.24	2.65	3.61	10.26	12.13	95	4.47	A	A+	4.38	6.46	2065	1.44
	1.5+1.5+6.0+6.0	1.00	1.00	4.00	4.00	---	4.93	10.00	11.92	0.75	2.27	2.59	3.44	10.39	11.85	95	4.42	A	A+	4.36	6.46	2072	1.44
	1.5+2.0+2.0+2.0	1.90	2.53	2.53	2.53	---	2.77	9.50	10.68	0.49	2.31	2.54	2.24	10.58	11.62	95	4.11	A	A+	4.15	6.46	2176	1.48
	1.5+2.0+2.0+2.5	1.88	2.50	2.50	3.13	---	2.92	10.00	10.77	0.54	2.42	2.54	2.45	11.08	11.62	95	4.15	A	A+	4.17	6.46	2167	1.48
	1.5+2.0+2.0+3.5	1.67	2.22	2.22	3.89	---	3.20	10.00	11.16	0.57	2.40	2.80	2.62	10.99	12.81	95	4.18	A	A+	4.18	6.46	2161	1.47
	1.5+2.0+2.0+4.2	1.55	2.06	2.06	4.33	---	3.41	10.00	11.17	0.59	2.38	2.79	2.71	10.90	12.77	95	4.21	A	A+	4.20	6.46	2153	1.47
	1.5+2.0+2.0+5.0	1.43	1.90	1.90	4.76	---	3.63	10.00	11.29	0.62	2.35	2.74	2.84	10.76	12.54	95	4.26	A	A+	4.26	6.46	2119	1.46
	1.5+2.0+2.0+6.0	1.30	1.74	1.74	5.22	---	3.92	10.00	11.53	0.63	2.31	2.67	2.88	10.58	12.22	95	4.34	A	A+	4.30	6.46	2103	1.45
	1.5+2.0+2.0+7.1	1.19	1.59	1.59	5.63	---	4.23	10.00	11.56	0.67	2.29	2.65	3.05	10.49	12.13	95	4.38	A	A+	4.33	6.46	2087	1.45
	1.5+2.0+2.5+2.5	1.76	2.35	2.94	2.94	---	3.06	10.00	10.77	0.55	2.51	2.54	2.54	11.49	11.62	95	3.99	A	A+	4.19	6.46	2158	1.48
	1.5+2.0+2.5+3.5	1.58	2.11	2.63	3.68	---	3.35	10.00	11.16	0.59	2.47	2.80	2.71	11.31	12.81	95	4.05	A	A+	4.20	6.46	2153	1.47
	1.5+2.0+2.5+4.2	1.47	1.96	2.45	4.12	---	3.55	10.00	11.17	0.62	2.45	2.79	2.84	11.22	12.77	95	4.09	A	A+	4.21	6.46	2145	1.46
	1.5+2.0+2.5+5.0	1.36	1.82	2.27	4.55	---	3.77	10.00	11.29	0.64	2.36	2.74	2.93	10.81	12.54	95	4.25	A	A+	4.28	6.46	2111	1.45
	1.5+2.0+2.5+6.0	1.25	1.67	2.08	5.00	---	4.07	10.00	11.53	0.65	2.31	2.67	2.97	10.58	12.22	95	4.33	A	A+	4.31	6.46	2095	1.45
	1.5+2.0+2.5+7.1	1.15	1.53	1.91	5.42	---	4.39	10.00	11.56	0.70	2.27	2.65	3.18	10.39	12.13	95	4.41	A	A+	4.35	6.46	2079	1.45
	1.5+2.0+3.5+3.5	1.43	1.90	3.33	3.33	---	3.63	10.00	11.17	0.64	2.45	2.79	2.93	11.22	12.77	95	4.09	A	A+	4.21	6.46	2144	1.46
	1.5+2.0+3.5+4.2	1.34	1.79	3.13	3.75	---	3.84	10.00	11.17	0.69	2.43	2.79	3.14	11.13	12.77	95	4.12	A	A+	4.23	6.46	2136	1.46
	1.5+2.0+3.5+5.0	1.25	1.67	2.92	4.17	---	4.07	10.00	11.30	0.69	2.34	2.74	3.14	10.71	12.54	95	4.28	A	A+	4.30	6.46	2102	1.45
	1.5+2.0+3.5+6.0	1.15	1.54	2.69	4.62	---	4.36	10.00	11.54	0.70	2.30	2.66	3.18	10.53	12.17	95	4.36	A	A+	4.33	6.46	2087	1.45
	1.5+2.0+3.5+7.1	1.06	1.42	2.48	5.04	---	4.67	10.00	11.58	0.76	2.25	2.65	3.48	10.30	12.13	95	4.45	A	A+	4.36	6.46	2071	1.44
	1.5+2.0+4.2+4.2	1.26	1.68	3.53	3.53	---	4.04	10.00	11.18	0.71	2.41	2.79	3.23	11.03	12.77	95	4.15	A	A+	4.25	6.46	2128	1.46
	1.5+2.0+4.2+5.0	1.18	1.57	3.31	3.94	---	4.26	10.00	11.32	0.73	2.32	2.74	3.36	10.62	12.54	95	4.31	A	A+	4.31	6.46	2094	1.45
	1.5+2.0+4.2+6.0	1.09	1.46	3.07	4.38	---	4.55	10.00	11.55	0.74	2.28	2.66	3.40	10.44	12.17	95	4.40	A	A+	4.35	6.46	2079	1.44
	1.5+2.0+4.2+7.1	1.01	1.35	2.84	4.80	---	4.88	10.00	11.59	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2064	1.44
	1.5+2.0+5.0+5.0	1.11	1.48	3.70	3.70	---	4.50	10.00	11.45	0.74	2.31	2.70	3.40	10.58	12.36	95	4.35	A	A+	4.33	6.46	2086	1.44
	1.5+2.0+5.0+6.0	1.03	1.38	3.45	4.14	---	4.78	10.00	11.68	0.77	2.26	2.67	3.53	10.35	12.22	95	4.43	A	A+	4.36	6.46	2071	1.44
	1.5+2.0+5.0+7.1	0.96	1.28	3.21	4.55	---	5.10	10.00	11.72	0.82	2.22	2.65	3.74	10.17	12.13	95	4.51	A	A+	4.40	6.46	2056	1.43
	1.5+2.0+6.0+6.0	0.97	1.29	3.87	3.87	---	5.07	10.00	11.92	0.78	2.25	2.59	3.57	10.30	11.85	95	4.46	A	A+	4.38	6.46	2063	1.43
	1.5+2.5+2.5+2.5	1.67	2.78	2.78	2.78	---	3.20	10.00	11.15	0.57	2.49	2.80	2.62	11.40	12.81	95	4.02	A	A+	4.19	6.46	2158	1.46
	1.5+2.5+2.5+3.5	1.50	2.50	2.50	3.50	---	3.49	10.00	11.16	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2143	1.45
	1.5+2.5+2.5+4.2	1.40	2.34	2.34	3.93	---	3.69	10.00	11.17	0.64	2.43	2.79	2.93	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.45
	1.5+2.5+2.5+5.0	1.30	2.17	2.17	4.35	---	3.92	10.00	11.29	0.67	2.34	2.74	3.05	10.71	12.54	95	4.28	A	A+	4.30	6.46	2101	1.44
	1.5+2.5+2.5+6.0	1.20	2.00	2.00	4.80	---	4.21	10.00	11.53	0.68	2.30	2.67	3.10	10.53	12.22	95	4.36	A	A+	4.33	6.46	2085	1.43
	1.5+2.5+2.5+7.1	1.10	1.84	1.84	5.22	---	4.53	10.00	11.56	0.74	2.25	2.65	3.40	10.30	12.13	95	4.45	A	A+	4.36	6.46	2070	1.43
	1.5+2.5+3.5+3.5	1.36	2.27	3.18	3.18	---	3.77	10.00	11.17	0.67	2.43	2.79	3.05	11.13	12.77	95	4.12	A	A+	4.23	6.46	2134	1.45
	1.5+2.5+3.5+4.2	1.28	2.14	2.99	3.59	---	3.98	10.00	11.17	0.71	2.41	2.79	3.27	11.03	12.77	95	4.15	A	A+	4.25	6.46	2127	1.45
	1.5+2.5+3.5+5.0	1.20	2.00	2.80	4.00	---	4.21	10.00	11.30	0.71	2.32	2.74	3.27	10.62	12.54	95	4.31	A	A+	4.32	6.46	2093	1.43
	1.5+2.5+3.5+6.0	1.11	1.85	2.59	4.44	---	4.50	10.00	11.54	0.72	2.28	2.66	3.31	10.44	12.17	95	4.40	A	A+	4.35	6.46	2078	1.43
	1.5+2.5+3.5+7.1	1.03	1.71	2.40	4.86	---	4.81	10.00	11.58	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2062	1.43
	1.5+2.5+4.2+4.2	1.21	2.02	3.39	3.39	---	4.18	10.00	11.18	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.44
	1.5+2.5+4.2+5.0	1.14	1.89	3.18	3.79	---	4.41	10.00	11.32	0.76	2.31	2.74	3.48	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.43
	1.5+2.5+4.2+6.0	1.06	1.76	2.96	4.23	---	4.70	10.00	11.55	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.43
	1.5+2.5+4.2+7.1	0.98	1.63	2.75	4.64	---	5.02	10.00	11.59	0.85	2.22	2.65	3.87	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.42
	1.5+2.5+5.0+5.0	1.07	1.79	3.57	3.57	---	4.18	10.00	11.46	0.73	2.29	2.79	3.36	10.49	12.77	95	4.38	A	A+	4.35	6.46	2077	1.43
	1.5+2.5+5.0+6.0	1.00	1.67	3.33	4.00	---	4.41	10.00	11.48	0.76	2.25	2.74	3.48	10.30	12.54	95	4.46	A	A+	4.38	6.46	2062	1.42
	1.5+3.5+3.5+3.5	1.25	2.92	2.92	2.92	---	4.07	10.00	11.17	0.71	2.43	2.79	3.27	11.13	12.77	95	4.12	A	A+	4.24	6.46	2132	1.42
	1.5+3.5+3.5+4.2	1.18	2.76	2.76	3.31	---	4.26	10.00	11.18	0.76	2.41	2.79	3.48	11.03	12.77	95	4.15	A	A+	4.25	6.46	2124	1.41
	1.5+3.5+3.5+5.0	1.11	2.59	2.59	3.70	---	4.50	10.00	11.32	0.79	2.32	2.74	3.61	10.62	12.54	95	4.31	A	A+	4.32	6.46	2091	1.4
	1.5+3.5+3.5+6.0	1.03	2.41	2.41	4.14	---	4.78	10.00	11.55	0.80	2.28	2.66	3.66	10.44	12.17	95	4.40	A	A+	4.35	6.46	2075	1.4
	1.5+3.5+3.5+7.1	0.96	2.24	2.24	4.55	---	5.10	10.00	11.59	0.85	2.24	2.65	3.87	10.26	12.13	95	4.48	A	A+	4.39	6.46	2060	1.39
	1.5+3.5+4.2+4.2	1.12	2.61	3.13	3.13	---	4.47	10.00	11.19	0.78	2.40	2.78	3.57	10.99	12.72	95	4.18	A	A+	4.27	6.46	2116	1.41
	1.5+3.5+4.2+5.0	1.06	2.46	2.96	3.52	---	4.70	10.00	11.33	0.81	2.31	2.74	3.70	10.58	12.54	95	4.35	A	A+	4.34	6.46	2083	1.4
	1.5+3.5+4.2+6.0	0.99	2.30	2.76	3.95	---	4.99	10.00	11.56	0.82	2.26	2.66	3.74	10.35	12.17	95	4.43	A	A+	4.37	6.46	2067	1.39
	1.5+3.5+5.0+5.0	1.00	2.33	3.33	3.33	---	4.93	10.00	11.45	0.85	2.29	2.70	3.87	10.49	12.36	95	4.38	A	A+	4.36	6.46	2075	1.39
	1.5+4.2+4.2+4.2	1.06	2.98	2.98	2.98	---	4.67	10.00	11.20	0.84	2.38	2.78	3.83	10.90	12.72	95	4.22	A	A+	4.29	6.46	2107	1.4
	1.5+4.2+4.2+5.0	1.01	2.82	2.82	3.36	---	4.90	10.00	11.34	0.86	2.29	2.73	3.96	10.49	12.49	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+2.0+2.0+2.0	2.50	2.50	2.50	2.50	---	2.92	10.00	10.86	0.54	2.53	2.54	2.45	11.58	11.62	95	3.96	A	A+	4.17	6.46	2166	1.48
	2.0+2.0+2.0+2.5	2.35	2.35	2.35	2.94	---	3.06	10.00	10.95	0.55	2.51	2.54	2.54	11.49	11.62	95	3.99	A	A+	4.19	6.46	2157	1.47
	2.0+2.0+2.0+3.5	2.11	2.11	2.11	3.68	---	3.35	10.00	11.16	0.59	2.47	2.80	2.71	11.31	12.81	95	4.05	A	A+	4.20	6.46	2152	1.46

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	2.0+2.0+2.0+4.2	1.96	1.96	1.96	4.12	---	3.55	10.00	11.17	0.62	2.45	2.79	2.84	11.22	12.77	95	4.09	A	A+	4.21	6.46	2144	1.46
	2.0+2.0+2.0+5.0	1.82	1.82	1.82	4.55	---	3.77	10.00	11.29	0.64	2.36	2.75	2.93	10.81	12.59	95	4.25	A	A+	4.28	6.46	2110	1.45
	2.0+2.0+2.0+6.0	1.67	1.67	1.67	5.00	---	4.07	10.00	11.53	0.65	2.31	2.67	2.97	10.58	12.22	95	4.33	A	A+	4.32	6.46	2094	1.45
	2.0+2.0+2.0+7.1	1.53	1.53	1.53	5.42	---	4.39	10.00	11.56	0.70	2.27	2.65	3.18	10.39	12.13	95	4.41	A	A+	4.35	6.46	2078	1.44
	2.0+2.0+2.5+2.5	2.22	2.22	2.78	2.78	---	3.20	10.00	11.15	0.57	2.49	2.80	2.62	11.40	12.81	95	4.02	A	A+	4.19	6.46	2159	1.47
	2.0+2.0+2.5+3.5	2.00	2.00	2.50	3.50	---	3.49	10.00	11.16	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2143	1.46
	2.0+2.0+2.5+4.2	1.87	1.87	2.34	3.93	---	3.69	10.00	11.17	0.64	2.43	2.79	2.93	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.46
	2.0+2.0+2.5+5.0	1.74	1.74	2.17	4.35	---	3.92	10.00	11.29	0.67	2.34	2.75	3.05	10.71	12.59	95	4.28	A	A+	4.30	6.46	2102	1.45
	2.0+2.0+2.5+6.0	1.60	1.60	2.00	4.80	---	4.21	10.00	11.53	0.68	2.30	2.67	3.10	10.53	12.22	95	4.36	A	A+	4.33	6.46	2086	1.44
	2.0+2.0+2.5+7.1	1.47	1.47	1.84	5.22	---	4.53	10.00	11.56	0.74	2.25	2.65	3.40	10.30	12.13	95	4.45	A	A+	4.36	6.46	2070	1.44
	2.0+2.0+3.5+3.5	1.82	1.82	3.18	3.18	---	3.77	10.00	11.17	0.67	2.43	2.79	3.05	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.46
	2.0+2.0+3.5+4.2	1.71	1.71	2.99	3.59	---	3.98	10.00	11.17	0.71	2.41	2.79	3.27	11.03	12.77	95	4.15	A	A+	4.25	6.46	2127	1.45
	2.0+2.0+3.5+5.0	1.60	1.60	2.80	4.00	---	4.21	10.00	11.30	0.71	2.32	2.74	3.27	10.62	12.54	95	4.31	A	A+	4.32	6.46	2093	1.44
	2.0+2.0+3.5+6.0	1.48	1.48	2.59	4.44	---	4.50	10.00	11.54	0.72	2.28	2.66	3.31	10.44	12.17	95	4.40	A	A+	4.35	6.46	2078	1.44
	2.0+2.0+3.5+7.1	1.37	1.37	2.40	4.86	---	4.81	10.00	11.58	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2063	1.43
	2.0+2.0+4.2+4.2	1.61	1.61	3.39	3.39	---	4.18	10.00	11.18	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.26	6.46	2119	1.45
	2.0+2.0+4.2+5.0	1.52	1.52	3.18	3.79	---	4.41	10.00	11.32	0.76	2.31	2.74	3.48	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.44
	2.0+2.0+4.2+6.0	1.41	1.41	2.96	4.23	---	4.70	10.00	11.55	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.43
	2.0+2.0+4.2+7.1	1.31	1.31	2.75	4.64	---	5.02	10.00	11.59	0.85	2.22	2.65	3.87	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.43
	2.0+2.0+5.0+5.0	1.43	1.43	3.57	3.57	---	4.64	10.00	11.45	0.79	2.29	2.70	3.61	10.49	12.36	95	4.38	A	A+	4.35	6.46	2077	1.43
	2.0+2.0+5.0+6.0	1.33	1.33	3.33	4.00	---	4.93	10.00	11.68	0.80	2.25	2.67	3.66	10.30	12.22	95	4.46	A	A+	4.38	6.46	2062	1.43
	2.0+2.5+2.5+2.5	2.11	2.63	2.63	2.63	---	3.35	10.00	11.15	0.60	2.47	2.80	2.75	11.31	12.81	95	4.05	A	A+	4.20	6.46	2149	1.45
	2.0+2.5+2.5+3.5	1.90	2.38	2.38	3.33	---	3.63	10.00	11.16	0.64	2.43	2.80	2.93	11.13	12.81	95	4.12	A	A+	4.23	6.46	2134	1.45
	2.0+2.5+2.5+4.2	1.79	2.23	2.23	3.75	---	3.84	10.00	11.17	0.69	2.41	2.79	3.14	11.03	12.77	95	4.15	A	A+	4.25	6.46	2126	1.44
	2.0+2.5+2.5+5.0	1.67	2.08	2.08	4.17	---	4.07	10.00	11.29	0.69	2.32	2.75	3.14	10.62	12.59	95	4.31	A	A+	4.32	6.46	2093	1.43
	2.0+2.5+2.5+6.0	1.54	1.92	1.92	4.62	---	4.36	10.00	11.53	0.70	2.28	2.67	3.18	10.44	12.22	95	4.40	A	A+	4.35	6.46	2077	1.43
	2.0+2.5+2.5+7.1	1.42	1.77	1.77	5.04	---	4.67	10.00	11.56	0.77	2.24	2.65	3.53	10.26	12.13	95	4.48	A	A+	4.38	6.46	2062	1.42
	2.0+2.5+3.5+3.5	1.74	2.17	3.04	3.04	---	3.92	10.00	11.17	0.69	2.41	2.79	3.14	11.03	12.77	95	4.15	A	A+	4.25	6.46	2126	1.44
	2.0+2.5+3.5+4.2	1.64	2.05	2.87	3.44	---	4.12	10.00	11.17	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.44
	2.0+2.5+3.5+5.0	1.54	1.92	2.69	3.85	---	4.36	10.00	11.30	0.73	2.31	2.74	3.36	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.43
	2.0+2.5+3.5+6.0	1.43	1.79	2.50	4.29	---	4.64	10.00	11.54	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.42
	2.0+2.5+3.5+7.1	1.32	1.66	2.32	4.70	---	4.96	10.00	11.58	0.82	2.22	2.65	3.74	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.42
	2.0+2.5+4.2+4.2	1.55	1.94	3.26	3.26	---	4.32	10.00	11.18	0.76	2.38	2.79	3.48	10.90	12.77	95	4.22	A	A+	4.28	6.46	2110	1.43
	2.0+2.5+4.2+5.0	1.46	1.82	3.07	3.65	---	4.55	10.00	11.32	0.79	2.29	2.74	3.61	10.49	12.54	95	4.38	A	A+	4.35	6.46	2077	1.42
	2.0+2.5+4.2+6.0	1.36	1.70	2.86	4.08	---	4.85	10.00	11.55	0.80	2.25	2.66	3.66	10.30	12.17	95	4.46	A	A+	4.38	6.46	2062	1.42
	2.0+2.5+5.0+5.0	1.38	1.72	3.45	3.45	---	4.78	10.00	11.45	0.82	2.27	2.70	3.74	10.39	12.36	95	4.41	A	A+	4.37	6.46	2069	1.42
	2.0+2.5+5.0+6.0	1.29	1.61	3.23	3.87	---	5.07	10.00	11.68	0.83	2.23	2.67	3.79	10.21	12.22	95	4.49	A	A+	4.40	6.46	2054	1.42
	2.0+3.5+3.5+3.5	1.60	2.80	2.80	2.80	---	4.21	10.00	11.17	0.73	2.41	2.79	3.36	11.03	12.77	95	4.15	A	A+	4.26	6.46	2123	1.41
	2.0+3.5+3.5+4.2	1.52	2.65	2.65	3.18	---	4.41	10.00	11.18	0.79	2.40	2.79	3.61	10.99	12.77	95	4.18	A	A+	4.27	6.46	2115	1.4
	2.0+3.5+3.5+5.0	1.43	2.50	2.50	3.57	---	4.64	10.00	11.32	0.82	2.31	2.74	3.74	10.58	12.54	95	4.35	A	A+	4.34	6.46	2082	1.39
	2.0+3.5+3.5+6.0	1.33	2.33	2.33	4.00	---	4.93	10.00	11.55	0.82	2.26	2.66	3.74	10.35	12.17	95	4.43	A	A+	4.37	6.46	2067	1.39
	2.0+3.5+4.2+4.2	1.44	2.52	3.02	3.02	---	4.61	10.00	11.19	0.84	2.38	2.78	3.83	10.90	12.72	95	4.22	A	A+	4.29	6.46	2107	1.4
	2.0+3.5+4.2+5.0	1.36	2.38	2.86	3.40	---	4.85	10.00	11.33	0.84	2.29	2.74	3.83	10.49	12.54	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+3.5+5.0+5.0	1.29	2.26	3.23	3.23	---	5.07	10.00	11.45	0.86	2.29	2.70	3.96	10.49	12.36	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+4.2+4.2+4.2	1.37	2.88	2.88	2.88	---	4.81	10.00	11.20	0.86	2.36	2.78	3.96	10.81	12.72	95	4.25	A	A+	4.30	6.46	2099	1.4
	2.0+4.2+4.2+5.0	1.30	2.73	2.73	3.25	---	5.04	10.00	11.34	0.89	2.27	2.73	4.09	10.39	12.49	95	4.41	A	A+	4.37	6.46	2067	1.39
	2.5+2.5+2.5+2.5	2.50	2.50	2.50	2.50	---	3.49	10.00	11.15	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2141	1.45
	2.5+2.5+2.5+3.5	2.27	2.27	2.27	3.18	---	3.77	10.00	11.16	0.67	2.41	2.80	3.05	11.03	12.81	95	4.15	A	A+	4.25	6.46	2125	1.44
	2.5+2.5+2.5+4.2	2.14	2.14	2.14	3.59	---	3.98	10.00	11.17	0.71	2.40	2.79	3.27	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.43
	2.5+2.5+2.5+5.0	2.00	2.00	2.00	4.00	---	4.21	10.00	11.29	0.71	2.31	2.75	3.27	10.58	12.59	95	4.35	A	A+	4.33	6.46	2085	1.42
	2.5+2.5+2.5+6.0	1.85	1.85	1.85	4.44	---	4.50	10.00	11.53	0.72	2.26	2.67	3.31	10.35	12.22	95	4.43	A	A+	4.37	6.46	2069	1.42
	2.5+2.5+2.5+7.1	1.71	1.71	1.71	4.86	---	4.81	10.00	11.56	0.79	2.22	2.65	3.61	10.17	12.13	95	4.51	A	A+	4.40	6.46	2054	1.42
	2.5+2.5+3.5+3.5	2.08	2.08	2.92	2.92	---	4.07	10.00	11.17	0.71	2.40	2.79	3.27	10.99	12.77	95	4.18	A	A+	4.27	6.46	2117	1.43
	2.5+2.5+3.5+4.2	1.97	1.97	2.76	3.31	---	4.26	10.00	11.17	0.76	2.38	2.79	3.48	10.90	12.77	95	4.22	A	A+	4.28	6.46	2109	1.43
	2.5+2.5+3.5+5.0	1.85	1.85	2.59	3.70	---	4.50	10.00	11.30	0.79	2.29	2.74	3.61	10.49	12.54	95	4.38	A	A+	4.35	6.46	2077	1.42
	2.5+2.5+3.5+6.0	1.72	1.72	2.41	4.14	---	4.78	10.00	11.54	0.80	2.25	2.66	3.66	10.30	12.17	95	4.46	A	A+	4.38	6.46	2062	1.42
	2.5+2.5+3.5+7.1	1.60	1.60	2.24	4.55	---	5.10	10.00	11.58	0.85	2.21	2.65	3.87	10.12	12.13	95	4.54	A	A+	4.41	6.46	2047	1.41
	2.5+2.5+4.2+4.2	1.87	1.87	3.13	3.13	---	4.47	10.00	11.18	0.79	2.36	2.79	3.61	10.81	12.77	95	4.25	A	A+	4.30	6.46	2101	1.43
	2.5+2.5+4.2+5.0	1.76	1.76	2.96	3.52	---	4.70	10.00	11.32	0.82	2.27	2.74	3.74	10.39	12.54	95	4.41	A	A+	4.37	6.46	2069	1.42
	2.5+2.5+4.2+6.0	1.64	1.64	2.76	3.95	---	4.99	10.00	11.55	0.82	2.23	2.66	3.74	10.21	12.17	95	4.49	A	A+	4.40	6.46	2054	1.41
	2.5+2.5+5.0+5.0	1.67	1.67	3.33	3.33	---	4.93	10.00	11.45	0.85	2.25	2.70	3.87	10.30	12.36	95	4.45	A	A+	4.38	6.46	2061	1.41
	2.5+3.5+3.5+3.5	1.92	2.69	2.69	2.69	---	4.36	10.00	11.17	0.79	2.40	2.79	3.61	10.99	12.77	95	4.18	A	A+	4.27	6.46	2114	1.4
	2.5+3.5+3.5+4.2	1.82	2.55	2.55	3.07	---	4.55	10.00	11.18	0.81	2.38	2.79	3.70	10.90	12.77	95	4.22	A	A+	4.29	6.46	2107	1.4
	2.5+3.5+3.5+5.0	1.72	2.41	2.41	3.45	---	4.78	10.00	11.32	0.84	2.29	2.74	3.83	10.49	12.54	95	4.38	A	A+	4.36	6.46	2074	1.39
	2.5+3.5+3.5+6.0	1.61	2.26	2.26	3.87	---	5.07	10.00	11.55	0.85	2.25	2.66	3.87	10.30	12.17	95	4.46	A	A+	4.39	6.46	2059	1.38
	2.5+3.5+4.2+4.2	1.74	2.43	2.92	2.92	---	4.75	10.00	11.19	0.86	2.36	2.78	3.96	10.81	12.72	95	4.25	A	A+	4.31	6.46	2099	1.39
	2.5+3.5+4.2+5.0	1.64	2.30	2.76	3.29	---	4.99	10.00	11.33	0.86	2.27	2.74	3.96	10.39	12.54	95	4.41	A	A+	4.37	6.46	2066	1.38
	2.5+4.2+4.2+4.2	1.66	2.78	2.78	2.78	---	4.96	10.00	11.20	0.89	2.34	2.78	4.09	10.71	12.72	95	4.28	A	A+	4.32	6.46	2091	1.39
	3.5+3.5+3.5+3.5	2.50	2.50	2.50	2.50	---	4.64	10.00	11.18	0.84	2.33	2.79	3.83	10.67	12.77	95	4.30	A	A+	4.33	6.46	2085	1.4
	3.5+3.5+3.5+4.2	2.38	2.38	2.38	2.86	---	4.85	10.00	11.19	0.86	2.31	2.78	3.96	10.58	12.72	95	4.33	A	A+	4.35	6.46	2077	1.39
	3.5+3.5+3.5+5.0	2.26	2.26	2.26	3.23	---	5.07	10.00	11.33	0.89	2.23	2.74	4.09	10.21	12.54	95	4.49	A	A+	4.42	6.46	2046	1.38
	3.5+3.5+4.2+4.2	2.27	2.27	2.73	2.73	---	5.04	10.00	11.20	0.92	2.30	2.78	4.22	10.53	12.72	95	4.36	A	A+	4.37	6.46	2069	1.39
	1.5+1.5+1.5+1.5+1.5	2.00	2.00	2.00	2.00	2.00	2.77	10.00	10.90	0.42	2.14	2.47	1.94	9.80	11.30	95	4.68	A	A+	4.25	6.46	2127	1.25
	1.5+1.5+1.5+1.5+2.0	1.88	1.88	1.88	1.88	2.50	2.92	10.00	10.90	0.44	2.13	2.47	2.02	9.75	11.30	95	4.72	A	A+	4.26	6.46	2119	1.24
	1.5+1.5+1.5+1.5+2.5	1.76	1.76	1.76	1.76	2.94	3.06	10.00	10.90	0.48	2.11	2.47	2.19	9.66	11.30	95	4.75	A	A+	4.28	6.46	2111	1.24
	1.5+1.5+1.5+1.5+3.5	1.58	1.58	1.58	1.58	3.68	3.35	10.00	11.55	0.52	2.08	2.66	2.37	9.52	12.17	95	4.81	A	A+	4.31	6.46	2096	1.23
	1.5+1.5+1.5+1.5+4.2	1.47	1.47	1.47	1.47	4.12	3.55	10.00	11.55	0.55	2.07	2.66	2.54	9.48	12.17	95	4.84	A	A+	4.33	6.46	2088	1.23
	1.5+1.5+1.5+1.5+5.0	1.36	1.36	1.36	1.36	4.55	3.77	10.00	11.69	0.56	2.00	2.67	2.58	9.16	12.22	95	5.00	A	A+	4.40	6.46	2055	1.22

Combination tables

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+1.5+1.5+1.5+6.0	1.25	1.25	1.25	1.25	5.00	4.07	10.00	11.93	0.56	1.99	2.59	2.58	9.11	11.85	95	5.04	A	A+	4.42	6.46	2043	1.21
	1.5+1.5+1.5+1.5+7.1	1.15	1.15	1.15	1.15	5.42	4.39	10.00	11.96	0.62	1.96	2.57	2.84	8.98	11.76	95	5.12	A	A+	4.43	6.46	2039	1.21
	1.5+1.5+1.5+2.0+2.0	1.76	1.76	1.76	2.35	2.35	3.06	10.00	10.90	0.48	2.11	2.47	2.19	9.66	11.30	95	4.75	A	A+	4.28	6.46	2110	1.24
	1.5+1.5+1.5+2.0+2.5	1.67	1.67	1.67	2.22	2.78	3.20	10.00	11.54	0.50	2.10	2.66	2.28	9.62	12.17	95	4.78	A	A+	4.30	6.46	2102	1.24
	1.5+1.5+1.5+2.0+3.5	1.50	1.50	1.50	2.00	3.50	3.49	10.00	11.55	0.54	2.07	2.66	2.45	9.48	12.17	95	4.84	A	A+	4.33	6.46	2087	1.23
	1.5+1.5+1.5+2.0+4.2	1.40	1.40	1.40	1.87	3.93	3.69	10.00	11.55	0.58	2.06	2.66	2.67	9.43	12.17	95	4.88	A	A+	4.35	6.46	2079	1.22
	1.5+1.5+1.5+2.0+5.0	1.30	1.30	1.30	1.74	4.35	3.92	10.00	11.69	0.58	1.99	2.67	2.67	9.11	12.22	95	5.04	A	A+	4.42	6.46	2046	1.21
	1.5+1.5+1.5+2.0+6.0	1.20	1.20	1.20	1.60	4.80	4.21	10.00	11.93	0.61	1.96	2.59	2.80	8.98	11.85	95	5.12	A	A+	4.45	6.46	2031	1.21
	1.5+1.5+1.5+2.0+7.1	1.10	1.10	1.10	1.47	5.22	4.53	10.00	11.96	0.65	1.93	2.57	2.97	8.84	11.76	95	5.20	A	A+	4.48	6.46	2018	1.21
	1.5+1.5+1.5+2.5+2.5	1.58	1.58	1.58	2.63	2.63	3.35	10.00	11.54	0.52	2.08	2.66	2.37	9.52	12.17	95	4.81	A	A+	4.32	6.46	2094	1.23
	1.5+1.5+1.5+2.5+3.5	1.43	1.43	1.43	2.38	3.33	3.63	10.00	11.55	0.56	2.06	2.66	2.58	9.43	12.17	95	4.88	A	A+	4.35	6.46	2078	1.22
	1.5+1.5+1.5+2.5+4.2	1.34	1.34	1.34	2.23	3.75	3.84	10.00	11.55	0.60	2.04	2.66	2.75	9.34	12.17	95	4.91	A	A+	4.36	6.46	2071	1.22
	1.5+1.5+1.5+2.5+5.0	1.25	1.25	1.25	2.08	4.17	4.07	10.00	11.69	0.62	1.98	2.67	2.84	9.07	12.22	95	5.07	A	A+	4.43	6.46	2038	1.21
	1.5+1.5+1.5+2.5+6.0	1.15	1.15	1.15	1.92	4.62	4.36	10.00	11.93	0.63	1.95	2.59	2.88	8.93	11.85	95	5.15	A	A+	4.44	6.46	2034	1.21
	1.5+1.5+1.5+2.5+7.1	1.06	1.06	1.06	1.77	5.04	4.67	10.00	11.96	0.67	1.92	2.57	3.05	8.79	11.76	95	5.23	A	A+	4.47	6.46	2022	1.2
	1.5+1.5+1.5+3.5+3.5	1.30	1.30	1.30	3.04	3.04	3.92	10.00	11.55	0.62	2.04	2.66	2.84	9.34	12.17	95	4.91	A	A+	4.37	6.46	2070	1.22
	1.5+1.5+1.5+3.5+4.2	1.23	1.23	1.23	2.87	3.44	4.12	10.00	11.56	0.65	2.03	2.66	2.97	9.30	12.17	95	4.94	A	A+	4.38	6.46	2062	1.22
	1.5+1.5+1.5+3.5+5.0	1.15	1.15	1.15	2.69	3.85	4.36	10.00	11.70	0.67	1.97	2.66	3.05	9.02	12.17	95	5.10	A	A+	4.45	6.46	2030	1.21
	1.5+1.5+1.5+3.5+6.0	1.07	1.07	1.07	2.50	4.29	4.64	10.00	11.94	0.68	1.94	2.58	3.10	8.88	11.81	95	5.18	A	A+	4.46	6.46	2027	1.2
	1.5+1.5+1.5+3.5+7.1	0.99	0.99	0.99	2.32	4.70	4.96	10.00	11.97	0.74	1.91	2.57	3.40	8.75	11.76	95	5.26	A	A+	4.48	6.46	2015	1.2
	1.5+1.5+1.5+4.2+4.2	1.16	1.16	1.16	3.26	3.26	4.32	10.00	11.58	0.69	2.02	2.65	3.14	9.25	12.13	95	4.97	A	A+	4.40	6.46	2054	1.21
	1.5+1.5+1.5+4.2+5.0	1.09	1.09	1.09	3.07	3.65	4.55	10.00	11.71	0.71	1.97	2.66	3.27	9.02	12.17	95	5.08	A	A+	4.44	6.46	2037	1.2
	1.5+1.5+1.5+4.2+6.0	1.02	1.02	1.02	2.86	4.08	4.85	10.00	11.95	0.72	1.91	2.58	3.31	8.75	11.81	95	5.26	A	A+	4.49	6.46	2013	1.2
	1.5+1.5+1.5+5.0+5.0	1.03	1.03	1.03	3.45	3.45	4.78	10.00	11.84	0.71	1.90	2.61	3.27	8.70	11.95	95	5.28	A	A+	4.52	6.46	2000	1.2
	1.5+1.5+1.5+5.0+6.0	0.97	0.97	0.97	3.23	3.87	5.07	10.00	12.07	0.74	1.87	2.53	3.40	8.56	11.58	95	5.36	A	A+	4.55	6.46	1987	1.19
	1.5+1.5+2.0+2.0+2.0	1.67	1.67	2.22	2.22	2.22	3.20	10.00	11.54	0.50	2.10	2.66	2.28	9.62	12.17	95	4.78	A	A+	4.30	6.46	2103	1.24
	1.5+1.5+2.0+2.0+2.5	1.58	1.58	2.11	2.11	2.63	3.35	10.00	11.54	0.52	2.09	2.66	2.37	9.57	12.17	95	4.79	A	A+	4.31	6.46	2095	1.24
	1.5+1.5+2.0+2.0+3.5	1.43	1.43	1.90	1.90	3.33	3.63	10.00	11.55	0.56	2.09	2.66	2.58	9.57	12.17	95	4.81	A	A+	4.34	6.46	2080	1.23
	1.5+1.5+2.0+2.0+4.2	1.34	1.34	1.79	1.79	3.75	3.84	10.00	11.55	0.60	2.08	2.66	2.75	9.52	12.17	95	4.82	A	A+	4.36	6.46	2073	1.23
	1.5+1.5+2.0+2.0+5.0	1.25	1.25	1.67	1.67	4.17	4.07	10.00	11.69	0.62	2.07	2.67	2.84	9.48	12.22	95	4.84	A	A+	4.43	6.46	2040	1.22
	1.5+1.5+2.0+2.0+6.0	1.15	1.15	1.54	1.54	4.62	4.36	10.00	11.93	0.63	2.07	2.59	2.88	9.48	11.85	95	4.85	A	A+	4.44	6.46	2037	1.21
	1.5+1.5+2.0+2.0+7.1	1.06	1.06	1.42	1.42	5.04	4.67	10.00	11.96	0.67	2.06	2.57	3.05	9.43	11.76	95	4.86	A	A+	4.46	6.46	2025	1.21
	1.5+1.5+2.0+2.5+2.5	1.50	1.50	2.00	2.50	2.50	3.49	10.00	11.54	0.55	2.09	2.66	2.50	9.57	12.17	95	4.80	A	A+	4.33	6.46	2087	1.24
	1.5+1.5+2.0+2.5+3.5	1.36	1.36	1.82	2.27	3.18	3.77	10.00	11.55	0.58	2.08	2.66	2.67	9.52	12.17	95	4.82	A	A+	4.36	6.46	2072	1.23
	1.5+1.5+2.0+2.5+4.2	1.28	1.28	1.71	2.14	3.59	3.98	10.00	11.55	0.62	2.08	2.66	2.84	9.52	12.17	95	4.83	A	A+	4.38	6.46	2064	1.22
	1.5+1.5+2.0+2.5+5.0	1.20	1.20	1.60	2.00	4.00	4.21	10.00	11.69	0.65	2.07	2.67	2.97	9.48	12.22	95	4.85	A	A+	4.45	6.46	2032	1.21
	1.5+1.5+2.0+2.5+6.0	1.11	1.11	1.48	1.85	4.44	4.50	10.00	11.93	0.65	2.03	2.59	2.97	9.30	11.85	95	4.95	A	A+	4.47	6.46	2022	1.21
	1.5+1.5+2.0+2.5+7.1	1.03	1.03	1.37	1.71	4.86	4.81	10.00	11.96	0.71	2.02	2.57	3.27	9.25	11.76	95	4.95	A	A+	4.50	6.46	2010	1.21
	1.5+1.5+2.0+3.5+3.5	1.25	1.25	1.67	2.92	2.92	4.07	10.00	11.55	0.65	2.08	2.66	2.97	9.52	12.17	95	4.83	A	A+	4.38	6.46	2064	1.22
	1.5+1.5+2.0+3.5+4.2	1.18	1.18	1.57	2.76	3.31	4.26	10.00	11.56	0.67	2.07	2.66	3.05	9.48	12.17	95	4.84	A	A+	4.39	6.46	2056	1.22
	1.5+1.5+2.0+3.5+5.0	1.11	1.11	1.48	2.59	3.70	4.50	10.00	11.70	0.70	2.06	2.66	3.18	9.43	12.17	95	4.86	A	A+	4.46	6.46	2024	1.21
	1.5+1.5+2.0+3.5+6.0	1.03	1.03	1.38	2.41	4.14	4.78	10.00	11.94	0.70	2.02	2.58	3.18	9.25	11.81	95	4.95	A	A+	4.49	6.46	2015	1.21
	1.5+1.5+2.0+3.5+7.1	0.96	0.96	1.28	2.24	4.55	5.10	10.00	11.97	0.76	1.99	2.57	3.48	9.11	11.76	95	5.05	A	A+	4.53	6.46	1995	1.2
	1.5+1.5+2.0+4.2+4.2	1.12	1.12	1.49	3.13	3.13	4.47	10.00	11.58	0.71	2.07	2.65	3.27	9.48	12.13	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+1.5+2.0+4.2+5.0	1.06	1.06	1.41	2.96	3.52	4.70	10.00	11.71	0.74	2.06	2.66	3.40	9.43	12.17	95	4.87	A	A+	4.45	6.46	2028	1.21
	1.5+1.5+2.0+4.2+6.0	0.99	0.99	1.32	2.76	3.95	4.99	10.00	11.95	0.74	2.05	2.58	3.40	9.39	11.81	95	4.88	A	A+	4.48	6.46	2016	1.2
	1.5+1.5+2.0+5.0+5.0	1.00	1.00	1.33	3.33	3.33	4.93	10.00	11.84	0.77	2.00	2.61	3.53	9.16	11.95	95	5.02	A	A++	4.60	6.46	1966	1.18
	1.5+1.5+2.5+2.5+2.5	1.43	1.43	2.38	2.38	2.38	3.63	10.00	11.54	0.56	2.08	2.66	2.58	9.52	12.17	95	4.82	A	A+	4.36	6.46	2071	1.23
	1.5+1.5+2.5+2.5+3.5	1.30	1.30	2.17	2.17	3.04	3.92	10.00	11.55	0.63	2.07	2.66	2.88	9.48	12.17	95	4.84	A	A+	4.39	6.46	2057	1.22
	1.5+1.5+2.5+2.5+4.2	1.23	1.23	2.05	2.05	3.44	4.12	10.00	11.55	0.65	2.07	2.66	2.97	9.48	12.17	95	4.84	A	A+	4.41	6.46	2049	1.22
	1.5+1.5+2.5+2.5+5.0	1.15	1.15	1.92	1.92	3.85	4.36	10.00	11.69	0.67	2.06	2.67	3.05	9.43	12.22	95	4.87	A	A+	4.45	6.46	2030	1.21
	1.5+1.5+2.5+2.5+6.0	1.07	1.07	1.79	1.79	4.29	4.64	10.00	11.93	0.68	2.05	2.59	3.10	9.39	11.85	95	4.88	A	A+	4.48	6.46	2018	1.2
	1.5+1.5+2.5+2.5+7.1	0.99	0.99	1.66	1.66	4.70	4.96	10.00	11.96	0.74	2.05	2.57	3.40	9.39	11.76	95	4.89	A	A+	4.51	6.46	2006	1.2
	1.5+1.5+2.5+3.5+3.5	1.20	1.20	2.00	2.80	2.80	4.21	10.00	11.55	0.67	2.07	2.66	3.05	9.48	12.17	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+1.5+2.5+3.5+4.2	1.14	1.14	1.89	2.65	3.18	4.41	10.00	11.56	0.71	2.07	2.66	3.27	9.48	12.17	95	4.85	A	A+	4.43	6.46	2041	1.21
	1.5+1.5+2.5+3.5+5.0	1.07	1.07	1.79	2.50	3.57	4.64	10.00	11.70	0.71	2.05	2.66	3.27	9.39	12.17	95	4.88	A	A+	4.47	6.46	2023	1.2
	1.5+1.5+2.5+3.5+6.0	1.00	1.00	1.67	2.33	4.00	4.93	10.00	11.94	0.74	2.05	2.58	3.40	9.39	11.81	95	4.89	A	A+	4.49	6.46	2011	1.2
	1.5+1.5+2.5+4.2+4.2	1.08	1.08	1.80	3.02	3.02	4.61	10.00	11.58	0.74	2.06	2.65	3.40	9.43	12.13	95	4.86	A	A+	4.44	6.46	2033	1.21
	1.5+1.5+2.5+4.2+5.0	1.02	1.02	1.70	2.86	3.40	4.85	10.00	11.71	0.77	2.05	2.66	3.53	9.39	12.17	95	4.89	A	A+	4.48	6.46	2016	1.2
	1.5+1.5+2.5+5.0+5.0	0.97	0.97	1.61	3.23	3.23	5.07	10.00	11.84	0.79	2.00	2.61	3.61	9.16	11.95	95	5.00	A	A++	4.60	6.46	1964	1.2
	1.5+1.5+3.5+3.5+3.5	1.11	1.11	2.59	2.59	2.59	4.50	10.00	11.56	0.71	2.05	2.66	3.27	9.39	12.17	95	4.90	A	A+	4.48	6.46	2018	1.21
	1.5+1.5+3.5+3.5+4.2	1.06	1.06	2.46	2.46	2.96	4.70	10.00	11.58	0.76	2.04	2.65	3.48	9.34	12.13	95	4.91	A	A+	4.49	6.46	2011	1.21
	1.5+1.5+3.5+3.5+5.0	1.00	1.00	2.33	2.33	3.33	4.93	10.00	11.71	0.79	2.03	2.66	3.61	9.30	12.17	95	4.94	A	A+	4.53	6.46	1994	1.2
	1.5+1.5+3.5+4.2+4.2	1.01	1.01	2.35	2.82	2.82	4.90	10.00	11.59	0.82	2.04	2.65	3.74	9.34	12.13	95	4.92	A	A+	4.51	6.46	2003	1.21
	1.5+2.0+2.0+2.0+2.0	1.58	2.11	2.11	2.11	2.11	3.35	10.00	11.54	0.52	2.07	2.66	2.37	9.48	12.17	95	4.84	A	A+	4.40	6.46	2056	1.22
	1.5+2.0+2.0+2.0+2.5	1.50	2.00	2.00	2.00	2.50	3.49	10.00	11.54	0.55	2.07	2.66	2.50	9.48	12.17	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+2.0+2.0+2.0+3.5	1.36	1.82	1.82	1.82	3.18	3.77	10.00	11.55	0.58	2.06	2.66	2.67	9.43	12.17	95	4.86	A	A+	4.44	6.46	2034	1.21
	1.5+2.0+2.0+2.0+4.2	1.28	1.71	1.71	1.71	3.59	3.98	10.00	11.55	0.62	2.06	2.66	2.84	9.43	12.17	95	4.87	A	A+	4.46	6.46	2027	1.21
	1.5+2.0+2.0+2.0+5.0	1.20	1.60	1.60	1.60	4.00	4.21	10.00	11.69	0.65	2.05	2.67	2.97	9.39	12.22	95	4.90	A	A+	4.49	6.46	2011	1.19
	1.5+2.0+2.0+2.0+6.0	1.11	1.48	1.48	1.48	4.44	4.50	10.00	11.70	0.65	2.04	2.65	2.97	9.34	12.13	95	4.91	A	A+	4.52	6.46	1999	1.19
	1.5+2.0+2.0+2.0+7.1	1.03	1.37	1.37	1.37	4.86	4.81	10.00	11.96	0.71	2.00	2.66	3.27	9.16	12.17	95	5.00	A	A++	4.60	6.46	1964	1.17
	1.5+2.0+2.0+2.5+2.5	1.43	1.90	1.90	2.38	2.38	3.63	10.00	11.54	0.56	2.07	2.61	2.58	9.48	11.95	95	4.85	A	A+	4.43	6.46	2040	1.21
	1.5+2.0+2.0+2.5+3.5	1.30	1.74	1.74	2.17	3.04	3.92	10.00	11.55	0.63	2.06	2.66	2.88	9.43	12.17	95	4.87	A	A+	4.46	6.46	2026	1.21
	1.5+2.0+2.0+2.5+4.2	1.23	1.64	1.64	2.05	3.44	4.12	10.00	11.55	0.65	2.05	2.65	2.97	9.39	12.13	95	4.88	A	A+	4.48	6.46	2019	1.2
	1.5+2.0+2.0+2.5+5.0	1.15	1.54	1.54	1.92	3.85	4.36	10.00	11.69	0.67	2.04	2.66	3.05	9.34	12.17	95	4.91	A	A+	4.51	6.46	2005	1.19
	1.5+2.0+2.0+2.5+6.0	1.07	1.43	1.43	1.79	4.29	4.64	10.00	11.72	0.68	2.04	2.65	3.10	9.34	12.13	95	4.92	A	A+	4.53	6.46	1993	1.19
	1.5+2.0+2.0+2.5+7.1	0.99	1.32	1.32	1.66	4.70	4.96	10.00	11.96	0.74	2.00	2.66	3.40	9.16	12.17	95	5.01	A	A++	4.62	6.46	1958	1.17
	1.5+2.0+2.0+3.5+3.5	1.20	1.60	1.60	2.80	2.80	4.21	10.00	11.55	0.67	2.05	2.66	3.05	9.39	12.17	95	4.88	A	A+	4.48	6.46	2018	1.2
	1.5+2.0+2.0+3.5+4.2	1.14	1.52	1.52	2.65	3.18	4.41	10.00	11.56	0.71	2.05	2.66	3.27	9.39	12.17	95	4.89	A	A+	4.47	6.46	2023	1.2
	1.5+2.0+2.0+3.5+5.0	1.07	1.43	1.43	2.50	3.57	4.64	10.00	11.70	0.71	2.04	2.67	3.27	9.34	12.22	95	4.92	A	A+	4.52	6.46	1998	1.19
	1.5+2.0+2.0+3.5+6.0	1.00	1.33	1.33	2.33	4.00	4.93	10.00	11.94	0.74	2.00	2.65	3.40	9.16	12.13	95	5.01	A	A++	4.60	6.46	1963	1.17

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+2.0+2.0+4.2+4.2	1.08	1.44	1.44	3.02	3.02	4.61	10.00	11.58	0.74	2.05	2.66	3.40	9.39	12.17	95	4.90	A	A+	4.48	6.46	2016	1.19
	1.5+2.0+2.0+4.2+5.0	1.02	1.36	1.36	2.86	3.40	4.85	10.00	11.71	0.77	2.03	2.61	3.53	9.30	11.95	95	4.93	A	A+	4.54	6.46	1991	1.18
	1.5+2.0+2.0+5.0+5.0	0.97	1.29	1.29	3.23	3.23	5.07	10.00	11.84	0.79	2.00	2.66	3.61	9.16	12.17	95	5.02	A	A++	4.63	6.46	1954	1.16
	1.5+2.0+2.5+2.5+2.5	1.36	1.82	2.27	2.27	2.27	3.77	10.00	11.54	0.58	2.07	2.66	2.67	9.48	12.17	95	4.85	A	A+	4.43	6.46	2041	1.21
	1.5+2.0+2.5+2.5+3.5	1.25	1.67	2.08	2.08	2.92	4.07	10.00	11.55	0.65	2.06	2.66	2.97	9.43	12.17	95	4.87	A	A+	4.46	6.46	2027	1.21
	1.5+2.0+2.5+2.5+4.2	1.18	1.57	1.97	1.97	3.31	4.26	10.00	11.55	0.67	2.05	2.66	3.05	9.39	12.17	95	4.88	A	A+	4.47	6.46	2020	1.2
	1.5+2.0+2.5+2.5+5.0	1.11	1.48	1.85	1.85	3.70	4.50	10.00	11.69	0.70	2.04	2.67	3.18	9.34	12.22	95	4.91	A	A+	4.51	6.46	2005	1.19
	1.5+2.0+2.5+2.5+6.0	1.03	1.38	1.72	1.72	4.14	4.78	10.00	11.93	0.70	2.04	2.59	3.18	9.34	11.85	95	4.92	A	A+	4.53	6.46	1993	1.19
	1.5+2.0+2.5+2.5+7.1	0.96	1.28	1.60	1.60	4.55	5.10	10.00	11.96	0.77	2.00	2.57	3.53	9.16	11.76	95	5.01	A	A++	4.61	6.46	1959	1.18
	1.5+2.0+2.5+3.5+3.5	1.15	1.54	1.92	2.69	2.69	4.36	10.00	11.55	0.70	2.05	2.66	3.18	9.39	12.17	95	4.88	A	A+	4.48	6.46	2019	1.2
	1.5+2.0+2.5+3.5+4.2	1.09	1.46	1.82	2.55	3.07	4.55	10.00	11.56	0.74	2.05	2.66	3.40	9.39	12.17	95	4.89	A	A+	4.47	6.46	2024	1.2
	1.5+2.0+2.5+3.5+5.0	1.03	1.38	1.72	2.41	3.45	4.78	10.00	11.70	0.77	2.04	2.66	3.53	9.34	12.17	95	4.92	A	A+	4.52	6.46	1998	1.19
	1.5+2.0+2.5+3.5+6.0	0.97	1.29	1.61	2.26	3.87	5.07	10.00	11.94	0.77	2.00	2.66	3.53	9.16	12.17	95	5.02	A	A++	4.61	6.46	1962	1.16
	1.5+2.0+2.5+4.2+4.2	1.04	1.39	1.74	2.92	2.92	4.75	10.00	11.58	0.76	2.05	2.65	3.48	9.39	12.13	95	4.90	A	A+	4.48	6.46	2017	1.19
	1.5+2.0+2.5+4.2+5.0	0.99	1.32	1.64	2.76	3.29	4.99	10.00	11.71	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.63	6.46	1950	1.18
	1.5+2.0+3.5+3.5+3.5	1.07	1.43	2.50	2.50	2.50	4.64	10.00	11.56	0.77	2.05	2.66	3.53	9.39	12.17	95	4.89	A	A+	4.49	6.46	2012	1.2
	1.5+2.0+3.5+3.5+4.2	1.02	1.36	2.38	2.38	2.86	4.85	10.00	11.58	0.79	2.05	2.65	3.61	9.39	12.13	95	4.90	A	A+	4.50	6.46	2006	1.19
	1.5+2.0+3.5+3.5+5.0	0.97	1.29	2.26	2.26	3.23	5.07	10.00	11.71	0.82	2.00	2.66	3.74	9.16	12.17	95	5.01	A	A++	4.61	6.46	1962	1.18
	1.5+2.0+3.5+4.2+4.2	0.97	1.30	2.27	2.73	2.73	5.04	10.00	11.59	0.85	2.04	2.65	3.87	9.34	12.13	95	4.91	A	A+	4.52	6.46	1999	1.19
	1.5+2.5+2.5+2.5+2.5	1.30	2.17	2.17	2.17	2.17	3.92	10.00	11.54	0.63	2.06	2.66	2.88	9.43	12.17	95	4.87	A	A+	4.46	6.46	2026	1.21
	1.5+2.5+2.5+2.5+3.5	1.20	2.00	2.00	2.00	2.80	4.21	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.94	A	A+	4.47	6.46	2020	1.2
	1.5+2.5+2.5+2.5+4.2	1.14	1.89	1.89	1.89	3.18	4.41	10.00	11.55	0.71	2.03	2.66	3.27	9.30	12.17	95	4.95	A	A+	4.49	6.46	2013	1.19
	1.5+2.5+2.5+2.5+5.0	1.07	1.79	1.79	1.79	3.57	4.64	10.00	11.69	0.71	1.98	2.67	3.27	9.07	12.22	95	5.06	A	A++	4.60	6.46	1964	1.18
	1.5+2.5+2.5+2.5+6.0	1.00	1.67	1.67	1.67	4.00	4.93	10.00	11.93	0.75	1.98	2.59	3.44	9.07	11.85	95	5.06	A	A++	4.63	6.46	1952	1.18
	1.5+2.5+2.5+3.5+3.5	1.11	1.85	1.85	2.59	2.59	4.50	10.00	11.55	0.71	2.03	2.66	3.27	9.30	12.17	95	4.95	A	A+	4.49	6.46	2013	1.19
	1.5+2.5+2.5+3.5+4.2	1.06	1.76	1.76	2.46	2.96	4.70	10.00	11.56	0.77	2.02	2.66	3.53	9.25	12.17	95	4.95	A	A+	4.50	6.46	2007	1.19
	1.5+2.5+2.5+3.5+5.0	1.00	1.67	1.67	2.33	3.33	4.93	10.00	11.70	0.79	1.97	2.66	3.61	9.02	12.17	95	5.09	A	A++	4.62	6.46	1957	1.18
	1.5+2.5+2.5+4.2+4.2	1.01	1.68	1.68	2.82	2.82	4.90	10.00	11.58	0.82	2.02	2.65	3.74	9.25	12.13	95	4.96	A	A+	4.52	6.46	2000	1.19
	1.5+2.5+3.5+3.5+3.5	1.03	1.72	2.41	2.41	2.41	4.78	10.00	11.56	0.79	2.02	2.66	3.61	9.25	12.17	95	4.95	A	A+	4.51	6.46	2006	1.19
	1.5+2.5+3.5+3.5+4.2	0.99	1.64	2.30	2.30	2.76	4.99	10.00	11.58	0.82	2.02	2.65	3.74	9.25	12.13	95	4.96	A	A+	4.52	6.46	2000	1.19
	1.5+3.5+3.5+3.5+3.5	0.97	2.26	2.26	2.26	2.26	5.07	10.00	11.58	0.85	2.00	2.65	3.87	9.16	12.13	95	5.00	A	A+	4.56	6.46	1981	1.18
	2.0+2.0+2.0+2.0+2.0	2.00	2.00	2.00	2.00	2.00	3.49	10.00	11.54	0.55	2.05	2.66	2.50	9.39	12.17	95	4.89	A	A+	4.47	6.46	2023	1.2
	2.0+2.0+2.0+2.0+2.5	1.90	1.90	1.90	1.90	2.38	3.63	10.00	11.54	0.56	2.05	2.66	2.58	9.39	12.17	95	4.90	A	A+	4.48	6.46	2017	1.19
	2.0+2.0+2.0+2.0+3.5	1.74	1.74	1.74	1.74	3.04	3.92	10.00	11.55	0.63	2.04	2.66	2.88	9.34	12.17	95	4.92	A	A+	4.51	6.46	2006	1.19
	2.0+2.0+2.0+2.0+4.2	1.64	1.64	1.64	1.64	3.44	4.12	10.00	11.55	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	2000	1.18
	2.0+2.0+2.0+2.0+5.0	1.54	1.54	1.54	1.54	3.85	4.36	10.00	11.69	0.67	2.00	2.67	3.05	9.16	12.22	95	5.02	A	A++	4.61	6.46	1959	1.17
	2.0+2.0+2.0+2.0+6.0	1.43	1.43	1.43	1.43	4.29	4.64	10.00	11.93	0.68	1.99	2.59	3.10	9.11	11.85	95	5.03	A	A++	4.64	6.46	1948	1.17
	2.0+2.0+2.0+2.0+7.1	1.32	1.32	1.32	1.32	4.70	4.96	10.00	11.96	0.74	1.99	2.57	3.40	9.11	11.76	95	5.04	A	A++	4.66	6.46	1937	1.16
	2.0+2.0+2.0+2.5+2.5	1.82	1.82	1.82	2.27	2.27	3.77	10.00	11.54	0.58	2.04	2.66	2.67	9.34	12.17	95	4.91	A	A+	4.49	6.46	2010	1.19
	2.0+2.0+2.0+2.5+3.5	1.67	1.67	1.67	2.08	2.92	4.07	10.00	11.55	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.0+2.0+2.5+4.2	1.57	1.57	1.57	1.97	3.31	4.26	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.94	A	A+	4.53	6.46	1993	1.18
	2.0+2.0+2.0+2.5+5.0	1.48	1.48	1.48	1.85	3.70	4.50	10.00	11.69	0.70	1.99	2.67	3.18	9.11	12.22	95	5.04	A	A++	4.62	6.46	1955	1.17
	2.0+2.0+2.0+2.5+6.0	1.38	1.38	1.38	1.72	4.14	4.78	10.00	11.93	0.70	1.99	2.59	3.18	9.11	11.85	95	5.05	A	A++	4.65	6.46	1944	1.16
	2.0+2.0+2.0+2.5+7.1	1.28	1.28	1.28	1.60	4.55	5.10	10.00	11.96	0.77	1.98	2.57	3.53	9.07	11.76	95	5.06	A	A++	4.67	6.46	1933	1.16
	2.0+2.0+2.0+3.5+3.5	1.54	1.54	1.54	2.69	2.69	3.77	10.00	11.54	0.58	2.03	2.66	2.67	9.30	12.17	95	4.94	A	A+	4.54	6.46	1992	1.18
	2.0+2.0+2.0+3.5+4.2	1.46	1.46	1.46	2.55	3.07	4.55	10.00	11.56	0.74	2.03	2.66	3.40	9.30	12.17	95	4.95	A	A+	4.55	6.46	1986	1.18
	2.0+2.0+2.0+3.5+5.0	1.38	1.38	1.38	2.41	3.45	4.78	10.00	11.70	0.77	1.99	2.66	3.53	9.11	12.17	95	5.04	A	A++	4.65	6.46	1941	1.16
	2.0+2.0+2.0+3.5+6.0	1.29	1.29	1.29	2.26	3.87	5.07	10.00	11.94	0.77	1.99	2.58	3.53	9.11	11.81	95	5.05	A	A++	4.68	6.46	1931	1.16
	2.0+2.0+2.0+4.2+4.2	1.39	1.39	1.39	2.92	2.92	4.75	10.00	11.58	0.76	2.02	2.65	3.48	9.25	12.13	95	4.95	A	A++	4.61	6.46	1961	1.17
	2.0+2.0+2.0+4.2+5.0	1.32	1.32	1.32	2.76	3.29	4.99	10.00	11.71	0.79	2.01	2.71	3.61	9.20	12.40	95	4.98	A	A++	4.66	6.46	1938	1.16
	2.0+2.0+2.5+2.5+2.5	1.74	1.74	2.17	2.17	2.17	3.92	10.00	11.54	0.63	2.04	2.66	2.88	9.34	12.17	95	4.91	A	A+	4.49	6.46	2011	1.19
	2.0+2.0+2.5+2.5+3.5	1.60	1.60	2.00	2.00	2.80	4.21	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.0+2.5+2.5+4.2	1.52	1.52	1.89	1.89	3.18	4.41	10.00	11.55	0.70	2.03	2.66	3.18	9.30	12.17	95	4.94	A	A+	4.53	6.46	1993	1.18
	2.0+2.0+2.5+2.5+5.0	1.43	1.43	1.79	1.79	3.57	4.64	10.00	11.69	0.71	1.99	2.67	3.27	9.11	12.22	95	5.03	A	A++	4.63	6.46	1953	1.17
	2.0+2.0+2.5+2.5+6.0	1.33	1.33	1.67	1.67	4.00	4.93	10.00	11.93	0.75	1.99	2.59	3.44	9.11	11.85	95	5.04	A	A++	4.65	6.46	1942	1.16
	2.0+2.0+2.5+3.5+3.5	1.48	1.48	1.85	2.59	2.59	4.50	10.00	11.55	0.71	1.99	2.66	3.27	9.11	12.17	95	5.03	A	A++	4.60	6.46	1963	1.18
	2.0+2.0+2.5+3.5+4.2	1.41	1.41	1.76	2.46	2.96	4.70	10.00	11.56	0.77	1.99	2.66	3.53	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.18
	2.0+2.0+2.5+3.5+5.0	1.33	1.33	1.67	2.33	3.33	4.93	10.00	11.70	0.79	1.98	2.66	3.61	9.07	12.17	95	5.06	A	A++	4.67	6.46	1934	1.16
	2.0+2.0+2.5+4.2+4.2	1.34	1.34	1.68	2.82	2.82	4.90	10.00	11.58	0.82	1.99	2.70	3.74	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.17
	2.0+2.0+3.5+3.5+3.5	1.38	1.38	2.41	2.41	2.41	4.78	10.00	11.56	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.18
	2.0+2.0+3.5+3.5+4.2	1.32	1.32	2.30	2.30	2.76	4.99	10.00	11.58	0.82	1.99	2.70	3.74	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.17
	2.0+2.5+2.5+2.5+2.5	1.67	2.08	2.08	2.08	2.08	4.07	10.00	11.54	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.5+2.5+2.5+3.5	1.54	1.92	1.92	1.92	2.69	4.36	10.00	11.55	0.70	2.03	2.66	3.18	9.30	12.17	95	4.95	A	A+	4.55	6.46	1987	1.18
	2.0+2.5+2.5+2.5+4.2	1.46	1.82	1.82	1.82	3.07	4.55	10.00	11.55	0.74	2.02	2.66	3.40	9.25	12.17	95	4.95	A	A+	4.56	6.46	1981	1.17
	2.0+2.5+2.5+2.5+5.0	1.38	1.72	1.72	1.72	3.45	4.78	10.00	11.69	0.77	1.99	2.67	3.53	9.11	12.22	95	5.05	A	A++	4.65	6.46	1942	1.16
	2.0+2.5+2.5+2.5+6.0	1.29	1.61	1.61	1.61	3.87	5.07	10.00	11.93	0.77	1.98	2.59	3.53	9.07	11.85	95	5.06	A	A++	4.68	6.46	1931	1.16
	2.0+2.5+2.5+3.5+3.5	1.43	1.79	1.79	2.50	2.50	4.64	10.00	11.55	0.77	1.99	2.66	3.53	9.11	12.17	95	5.03	A	A++	4.60	6.46	1963	1.17
	2.0+2.5+2.5+3.5+4.2	1.36	1.70	1.70	2.38	2.86	4.85	10.00	11.56	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.17
	2.0+2.5+2.5+3.5+5.0	1.29	1.61	1.61	2.26	3.23	5.07	10.00	11.70	0.82	1.98	2.66	3.74	9.07	12.17	95	5.06	A	A++	4.67	6.46	1934	1.16
	2.0+2.5+2.5+4.2+4.2	1.30	1.62	1.62	2.73	2.73	5.04	10.00	11.58	0.85	1.99	2.70	3.87	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.16
	2.0+2.5+3.5+3.5+3.5	1.33	1.67	2.33	2.33	2.33	4.93	10.00	11.56	0.82	1.99	2.66	3.74	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.17
	2.5+2.5+2.5+2.5+2.5	2.00	2.00	2.00	2.00	2.00	4.21	10.00	11.54	0.68	2.03	2.66	3.10	9.30	12.17	95	4.95	A	A+	4.55	6.46	1987	1.18
	2.5+2.5+2.5+2.5+3.5	1.85	1.85	1.85	1.85	2.59	4.50	10.00	11.55	0.72	2.02	2.66	3.31	9.25	12.17	95	4.96	A	A+	4.57	6.46	1975	1.17
	2.5+2.5+2.5+2.5+4.2	1.76	1.76	1.76	1.76	2.96	4.70	10.00	11.55	0.77	2.02	2.66	3.53	9.25	12.17	95	4.97	A	A+	4.59	6.46	1970	1.16
	2.5+2.5+2.5+2.5+5.0	1.67	1.67	1.67	1.67	3.33	4.93	10.00	11.69	0.80	2.00	2.67	3.66	9.16	12.22	95	5.00	A	A++	4.64	6.46	1946	1.15
	2.5+2.5+2.5+3.5+3.5	1.72	1.72	1.72	2.41	2.41	4.78	10.00	11.55	0.80	2.02	2.66	3.66	9.25	12.17	95	4.97	A	A++	4.60	6.46	1965	1.16
	2.5+2.5+2.5+3.5+4.2	1.64	1.64	1.64	2.30	2.76	4.99	10.00	11.56	0.82	2.01	2.66	3.74	9.20	12.17	95	4.98	A	A++	4.61	6.46	1959	1.16
	2.5+2.5+3.5+3.5+3.5	1.61	1.61	2.26	2.26	2.26	5.07	10.00	11.57	0.85	1.99	2.66	3.87	9.11	12.17	95	5.03	A	A++	4.66	6.46	1940	1.15

2AMXM40M

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2AMXM40M3V1B	2.0	2.00	---	1.30	2.00	2.40	0.33	0.44	0.57	1.78	2.38	3.09	79	---	---	---	---	---	---	---
	2.5	2.50	---	1.30	2.50	3.00	0.33	0.61	0.80	1.78	3.33	4.40	79	---	---	---	---	---	---	---
	3.5	3.50	---	1.30	3.50	4.00	0.33	1.04	1.35	1.78	5.71	7.38	79	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	1.50	4.00	4.20	0.30	0.99	1.04	1.67	5.47	5.75	79	4.03	A	497	A+++	8.51	4.00	165
	2.0+2.5	1.78	2.22	1.50	4.00	4.30	0.30	0.97	1.04	1.67	5.34	5.75	79	4.13	A	485	A+++	8.50	4.00	165
	2.0+3.5	1.45	2.55	1.50	4.00	4.50	0.30	0.97	1.10	1.67	5.36	6.03	79	4.11	A	487	A++	8.17	4.00	172
	2.5+2.5	2.00	2.00	1.50	4.00	4.40	0.30	0.98	1.08	1.67	5.39	5.93	79	4.09	A	489	A++	8.34	4.00	168
	2.5+3.5	1.67	2.33	1.50	4.00	4.60	0.30	0.96	1.11	1.67	5.31	6.11	79	4.15	A	482	A++	8.09	4.00	173

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2AMXM40M3V1B	2.0	3.00	---	1.00	3.00	3.70	0.26	0.83	1.26	1.43	4.52	6.78	79	---	---	---	---	---	---	---
	2.5	3.40	---	1.00	3.40	4.10	0.26	1.02	1.50	1.43	5.59	8.09	79	---	---	---	---	---	---	---
	3.5	3.80	---	1.00	3.80	4.40	0.26	1.28	1.73	1.43	7.02	9.40	79	---	---	---	---	---	---	---
	2.0+2.0	2.10	2.10	1.30	4.20	4.60	0.24	1.00	1.10	1.31	5.53	6.06	79	4.18	A	A++	4.60	3.20	973	0.60
	2.0+2.5	1.87	2.33	1.30	4.20	4.70	0.24	1.00	1.12	1.31	5.48	6.14	79	4.22	A	A++	4.60	3.20	974	0.50
	2.0+3.5	1.53	2.67	1.30	4.20	4.80	0.24	0.97	1.12	1.31	5.37	6.14	79	4.31	A	A++	4.60	3.20	974	0.40
	2.5+2.5	2.10	2.10	1.30	4.20	4.70	0.24	0.98	1.10	1.31	5.42	6.07	79	4.27	A	A++	4.60	3.20	973	0.50
	2.5+3.5	1.75	2.45	1.30	4.20	4.80	0.24	0.96	1.10	1.31	5.31	6.07	79	4.36	A	A++	4.60	3.20	974	0.40

2AMXM50M

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2AMXM50M3V1B	2.0	2.00	---	1.40	2.00	2.60	0.31	0.47	0.69	1.53	2.25	3.37	89	---	---	---	---	---	---	---
	2.5	2.50	---	1.40	2.50	3.10	0.31	0.67	0.92	1.53	3.27	4.50	89	---	---	---	---	---	---	---
	3.5	3.50	---	1.40	3.50	4.00	0.31	1.09	1.42	1.53	5.32	6.95	89	---	---	---	---	---	---	---
	5.0	5.00	---	1.60	5.00	5.30	0.33	0.96	1.46	1.64	4.67	7.11	89	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	1.80	4.00	5.00	0.43	0.96	1.30	2.12	4.71	5.89	89	4.15	A	482	A+++	8.68	4.00	162
	2.0+2.5	2.00	2.50	1.80	4.50	5.10	0.44	1.09	1.33	2.14	5.35	6.07	89	4.11	A	548	A+++	8.65	4.50	183
	2.0+3.5	1.82	3.18	1.80	5.00	5.40	0.46	1.27	1.51	2.24	6.20	6.70	89	3.94	A	635	A+++	8.51	5.00	206
	2.0+5.0	1.43	3.57	1.80	5.00	5.50	0.45	1.25	1.46	2.20	6.10	6.71	89	4.01	A	624	A+++	8.50	5.00	206
	2.5+2.5	2.50	2.50	1.80	5.00	5.30	0.46	1.28	1.44	2.25	6.25	6.63	89	3.91	A	640	A+++	8.51	5.00	206
	2.5+3.5	2.08	2.92	1.80	5.00	5.40	0.46	1.26	1.45	2.23	6.17	6.67	89	3.96	A	632	A+++	8.53	5.00	206
	2.5+5.0	1.67	3.33	1.80	5.00	5.50	0.45	1.24	1.40	2.19	6.07	6.68	89	4.03	A	621	A+++	8.51	5.00	206
	3.5+3.5	2.50	2.50	1.80	5.00	5.40	0.45	1.25	1.43	2.20	6.10	6.59	89	4.01	A	624	A+++	8.55	5.00	205
	3.5+5.0	2.06	2.94	1.80	5.00	5.50	0.44	1.23	1.35	2.16	5.99	6.59	89	4.08	A	613	A+++	8.50	5.00	206

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2AMXM50M3V1B	2.0	3.00	---	1.10	3.00	3.70	0.27	0.82	1.15	1.33	3.99	5.52	89	---	---	---	---	---	---	---
	2.5	3.40	---	1.10	3.40	4.10	0.25	0.99	1.36	1.23	4.81	6.54	89	---	---	---	---	---	---	---
	3.5	4.00	---	1.10	4.00	4.60	0.25	1.24	1.55	1.23	6.03	7.46	89	---	---	---	---	---	---	---
	5.0	5.50	---	1.20	5.50	5.60	0.23	1.23	1.58	1.12	6.01	9.01	89	---	---	---	---	---	---	---
	2.0+2.0	2.60	2.60	1.20	5.20	5.70	0.30	1.30	1.42	1.47	6.37	6.99	89	3.99	A	A++	4.60	4.00	1216	0.60
	2.0+2.5	2.49	3.11	1.20	5.60	5.80	0.30	1.40	1.44	1.47	6.84	7.09	89	4.00	A	A++	4.60	4.10	1246	0.70
	2.0+3.5	2.04	3.56	1.20	5.60	5.90	0.30	1.40	1.45	1.47	6.83	7.20	89	4.01	A	A++	4.60	4.20	1278	0.80
	2.0+5.0	1.60	4.00	1.20	5.60	6.20	0.30	1.38	1.52	1.45	6.76	7.49	89	4.05	A	A++	4.67	4.20	1258	0.80
	2.5+2.5	2.80	2.80	1.20	5.60	5.80	0.30	1.41	1.44	1.48	6.88	7.13	89	3.98	A	A++	4.60	4.20	1278	0.80
	2.5+3.5	2.33	3.27	1.20	5.60	6.00	0.31	1.42	1.50	1.49	6.93	7.43	89	3.95	A	A++	4.61	4.20	1274	0.80
	2.5+5.0	1.87	3.73	1.30	5.60	6.30	0.33	1.42	1.60	1.61	6.93	7.80	89	3.95	A	A++	4.70	4.20	1252	0.80
	3.5+3.5	2.80	2.80	1.30	5.60	6.10	0.33	1.41	1.54	1.60	6.88	7.50	89	3.98	A	A++	4.65	4.20	1264	0.80
	3.5+5.0	2.31	3.29	1.30	5.60	6.40	0.33	1.43	1.65	1.63	7.00	8.00	89	3.91	A	A++	4.74	4.20	1240	0.80

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3AMXM52M3V1B	2.0	2.00	---	---	1.60	2.00	3.00	0.36	0.48	0.78	1.60	2.17	3.51	96	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.60	2.50	3.20	0.36	0.64	0.87	1.62	2.89	3.92	96	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.60	3.50	4.20	0.37	0.98	1.30	1.63	4.43	5.88	96	---	---	---	---	---	---	---
	5.0	---	5.00	---	1.60	5.00	5.40	0.35	1.76	2.03	1.55	7.94	9.18	96	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	---	1.70	4.00	6.00	0.35	0.87	2.61	1.55	3.95	11.81	96	4.62	A	433	A+++	8.50	4.00	165
	2.0+2.5	2.00	2.50	---	1.70	4.50	6.20	0.35	0.96	2.35	1.55	4.35	10.61	96	4.72	A	477	A+++	8.50	4.50	186
	2.0+3.5	1.89	3.31	---	1.70	5.20	6.30	0.35	1.14	2.50	1.55	5.17	11.31	96	4.60	A	566	A+++	8.50	5.20	215
	2.0+5.0	1.49	3.71	---	1.70	5.20	6.50	0.35	1.11	2.37	1.55	5.03	10.72	96	4.72	A	551	A+++	8.50	5.20	215
	2.5+2.5	2.50	2.50	---	1.70	5.00	6.30	0.35	1.18	2.50	1.55	5.35	11.32	96	4.24	A	590	A+++	8.50	5.00	206
	2.5+3.5	2.17	3.03	---	1.70	5.20	6.30	0.35	1.25	2.40	1.55	5.67	10.83	96	4.18	A	623	A+++	8.50	5.20	215
	2.5+5.0	1.73	3.47	---	1.70	5.20	6.50	0.35	1.21	2.39	1.55	5.49	10.82	96	4.32	A	602	A+++	8.50	5.20	214
	3.5+3.5	2.60	2.60	---	1.70	5.20	6.40	0.35	1.24	2.37	1.55	5.62	10.72	96	4.22	A	617	A+++	8.50	5.20	214
	3.5+5.0	2.14	3.06	---	1.70	5.20	6.60	0.35	1.20	2.39	1.55	5.44	10.82	96	4.34	A	600	A+++	8.50	5.20	214
	2.0+2.0+2.0	1.73	1.73	1.73	1.80	5.20	7.00	0.37	1.22	2.20	1.65	5.53	9.94	96	4.27	A	609	A+++	8.50	5.20	215
	2.0+2.0+2.5	1.60	1.60	2.00	1.80	5.20	7.00	0.37	1.20	2.19	1.65	5.44	9.89	96	4.34	A	600	A+++	8.50	5.20	215
	2.0+2.0+3.5	1.39	1.39	2.43	1.90	5.20	7.20	0.39	1.20	2.15	1.75	5.44	9.69	96	4.36	A	597	A+++	8.50	5.20	214
	2.0+2.0+5.0	1.16	1.16	2.89	2.00	5.20	7.30	0.37	1.17	2.06	1.65	5.30	9.29	96	4.45	A	585	A++	8.09	5.20	225
	2.0+2.5+2.5	1.49	1.86	1.86	1.80	5.20	7.10	0.39	1.19	2.10	1.75	5.39	9.49	96	4.38	A	594	A+++	8.50	5.20	215
	2.0+2.5+3.5	1.30	1.63	2.28	1.90	5.20	7.20	0.39	1.18	2.12	1.75	5.35	9.59	96	4.41	A	590	A+++	8.50	5.20	215
	2.0+3.5+3.5	1.16	2.02	2.02	1.90	5.20	7.30	0.39	1.18	2.12	1.75	5.35	9.59	96	4.42	A	589	A+++	8.50	5.20	215
	2.5+2.5+2.5	1.73	1.73	1.73	1.90	5.20	7.10	0.39	1.19	2.17	1.75	5.39	9.79	96	4.40	A	591	A+++	8.50	5.20	215
	2.5+2.5+3.5	1.53	1.53	2.14	1.90	5.20	7.20	0.39	1.18	2.13	1.75	5.35	9.64	96	4.42	A	589	A+++	8.50	5.20	215

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3AMXM52M3V1B	2.0	2.70	---	---	1.10	2.70	3.80	0.30	0.76	1.29	1.34	3.40	5.57	96	---	---	---	---	---	---	---
	2.5	3.40	---	---	1.10	3.40	4.00	0.30	1.01	1.38	1.34	4.54	5.78	96	---	---	---	---	---	---	---
	3.5	4.20	---	---	1.10	4.20	4.80	0.30	1.42	1.76	1.34	6.39	7.73	96	---	---	---	---	---	---	---
	5.0	---	5.80	---	1.10	5.80	6.80	0.30	2.17	2.60	1.34	9.80	11.76	96	---	---	---	---	---	---	---
	2.0+2.0	3.40	3.40	---	1.20	6.80	7.00	0.32	1.63	2.28	1.44	7.39	10.61	96	4.18	A	A+	4.23	4.80	1588	0.9
	2.0+2.5	3.02	3.78	---	1.20	6.80	7.00	0.32	1.62	2.27	1.44	7.34	10.51	96	4.22	A	A+	4.26	4.80	1577	0.9
	2.0+3.5	2.47	4.33	---	1.20	6.80	7.10	0.32	1.61	2.28	1.44	7.30	10.41	96	4.24	A	A+	4.29	4.80	1566	0.8
	2.0+5.0	1.94	4.86	---	1.40	6.80	7.20	0.32	1.56	2.30	1.44	7.07	10.32	96	4.36	A	A+	4.46	4.80	1505	0.7
	2.5+2.5	3.40	3.40	---	1.20	6.80	7.00	0.32	1.57	2.25	1.44	7.12	10.62	96	4.35	A	A+	4.34	4.80	1533	0.9
	2.5+3.5	2.83	3.97	---	1.30	6.80	7.20	0.32	1.56	2.37	1.44	7.07	10.73	96	4.36	A	A+	4.37	4.80	1537	0.8
	2.5+5.0	2.27	4.53	---	1.40	6.80	7.40	0.32	1.54	2.35	1.44	6.98	10.52	96	4.44	A	A+	4.49	4.80	1495	0.7
	3.5+3.5	3.40	3.40	---	1.40	6.80	7.30	0.32	1.55	2.40	1.44	7.02	11.02	96	4.40	A	A+	4.36	5.00	1604	0.9
	3.5+5.0	2.80	4.00	---	1.45	6.80	7.50	0.32	1.53	2.32	1.44	6.93	10.72	96	4.46	A	A+	4.48	5.00	1548	0.8
	2.0+2.0+2.0	2.27	2.27	2.27	1.30	6.80	8.00	0.32	1.42	2.15	1.44	6.44	9.99	96	4.81	A	A++	4.60	5.00	1521	0.9
	2.0+2.0+2.5	2.09	2.09	2.62	1.30	6.80	8.00	0.32	1.41	2.13	1.44	6.39	9.89	96	4.85	A	A++	4.61	5.00	1519	0.9
	2.0+2.0+3.5	1.81	1.81	3.17	1.40	6.80	8.10	0.32	1.40	2.14	1.44	6.35	9.99	96	4.88	A	A++	4.62	5.00	1514	0.9
	2.0+2.0+5.0	1.51	1.51	3.78	1.60	6.80	8.30	0.32	1.31	2.10	1.44	5.94	9.59	96	5.20	A	A++	4.76	5.00	1468	0.8
	2.0+2.5+2.5	1.94	2.43	2.43	1.30	6.80	8.00	0.32	1.40	2.11	1.44	6.35	9.79	96	4.89	A	A++	4.62	5.00	1514	0.9
	2.0+2.5+3.5	1.70	2.13	2.98	1.50	6.80	8.10	0.32	1.38	2.13	1.44	6.25	9.89	96	4.93	A	A++	4.63	5.00	1510	0.9
	2.0+3.5+3.5	1.51	2.64	2.64	1.50	6.80	8.20	0.32	1.38	2.17	1.44	6.25	9.69	96	4.95	A	A++	4.64	5.00	1507	0.9
	2.5+2.5+2.5	2.27	2.27	2.27	1.40	6.80	8.00	0.32	1.39	2.09	1.44	6.30	9.69	96	4.92	A	A++	4.61	5.00	1505	0.9
	2.5+2.5+3.5	2.00	2.00	2.80	1.50	6.80	8.10	0.32	1.38	2.11	1.44	6.25	9.74	96	4.95	A	A++	4.64	5.00	1509	0.9

DAIKIN
R32 MULTI
INVERTER

DAIKIN

Low height.
High value.

More flexibility for your business with single fan casings in the whole Sky Air range

Unique to the market: We proudly present our new low-height single fan outdoor units across all Sky Air ranges – from 3.5 to 25 kW.

- More flexibility in positioning, easier transport and installation
- Market-leading serviceability and handling – with easy access to all components and 7-segment display
- Reliable cooling thanks to refrigerant cooled PCB
- Full portfolio of connectable R-32 indoor units

www.daikin.eu/skyairbluevolution

Sky Air Alpha-series Sky Air Advance-series BLUEVOLUTION

VISIT OUR BIM APPLICATION SUITE ON WWW.DAIKIN.EU/BIM

Sky Air

Light commercial applications

Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been designed for optimum seasonal energy efficiency. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

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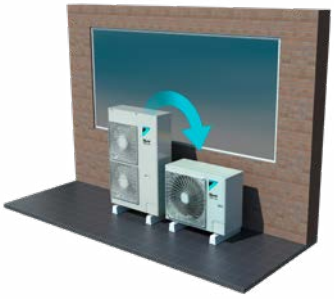
NEW SkyAir Advance-series

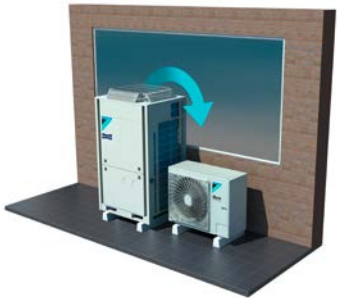
NEW SkyAir Alpha-series

Low height.
High value.

Unique, low-height single fan range

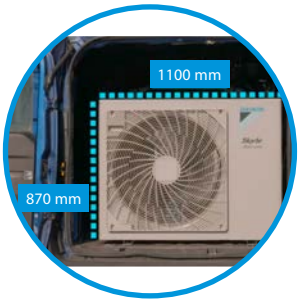


SkyAir Alpha-series
RZAG71-100-125-140NV1/NY1



SkyAir Advance-series
RZA200-250D

Compact unit, easy to transport



Market-leading serviceability and handling

Fast and easy access to all critical component

- Single screw access
- Wider access area

Newly positioned handle for easier carrying

Full indoor unit line up available in R-32

› Over 45 different indoor unit models
› Including new FDA200-250A indoor unit delivering up to 26.4 kW of heating capacity

Very long piping length

› Up to 85m for RZAG-NV1/NY1
› Up to 100m for RZA-D

Wide operation range down to -20°C

› Cooling operation from -20°C up to +52°C (+46°C for RZA-D)
› Heating operation down to -20°C

Faster installation with up to 40m pre-charged pipe

› Up to 60% of applications can be installed without additional refigerant charge
› 40m pre-charge for RZAG-NV1/NY1
› 30m pre-charge for RZA-D

App control

› Control your device at anytime from anywhere
› Intuitive
› Via smartphone, tablet or cloud

Sky Air, the solution for the light commercial sector.

7 reasons why Sky Air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

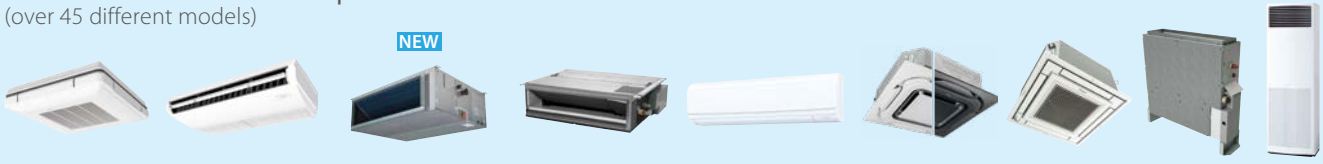
More details on page 370

Sky Air A-series BLUEVOLUTION

System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6kW
Air cooled	Heat pump	**Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1				NEW	NEW	NEW	NEW		
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D								NEW	NEW
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1/MY1									

Full indoor line up available for R-32 and R-410A

(over 45 different models)

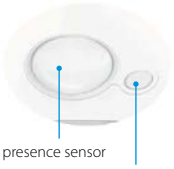


2 High energy efficiency

- **Top seasonal efficiency**
  - SEER up to 8.02 and A++ label in cooling and heating
  - Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
- Round flow and concealed ceiling units with **auto cleaning filter**

3 Best comfort

- **Variable Refrigerant Temperature** preventing cold draughts
- **Low sound** indoor and outdoor units
- **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
- Operation down to **-20°C in heating and cooling** operation
- Fresh air intake integrated in indoor unit



4 Top reliability

- For **infrastructure cooling**
  - unique boosted capacity indoor unit systems
  - duty rotation control
- **Refrigerant cooled PCB**
- New refrigerant passes keeping heat exchanger and drain holes completely open at all times
- **Most extensive testing** before new units leave the factory
- **Widest support network** and after sales service
- All spare parts available in Europe

bottom plate refrigerant pass

5 Market leading controls

- **Remote connectivity**
  - **Intuitive app** control
  - **Daikin Cloud Service** offering online control, energy monitoring and comparison of multiple sites
- **User-friendly wired remote controller with premium design**
  - Intuitive touch button control
  - 3 color versions
  - Advanced settings can be easily done via your smartphone
- **Dedicated control solutions**
  - for retail applications
  - for infrastructure cooling

BRC1H519W7

6 Superior aesthetics

- **Fully flat cassette** design unit that integrates fully flat into the ceiling
- **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
- Widest ever range cassette panels
  - Available in **white and black**
  - Sleek **designer panel** range

7 Unique installation benefits

- **4-way blow ceiling suspended cassette** (FUA) for rooms without false ceiling.
- Plug & play Daikin air handling unit with ERQ condensing units
- Total solution for cooling, heating, air curtains and ventilation
- Dedicated assymetric combinations for infrastructure cooling
- Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms

Always in control,
no matter where you are

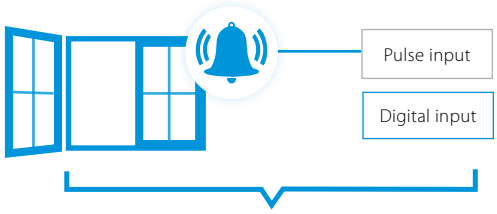
Intelligent Tablet Controller

intelligent Tablet Controller

- User-friendly touch screen to centrally control your A/C and alarms
- Integrate third party equipment via pulse or digital input
- Connects to the Daikin Cloud Service

More details on page 744

AL-CCD07-VESA



Daikin Cloud Service

DAIKIN CLOUD SERVICE

Cloud-based remote control and monitoring solution for DX systems

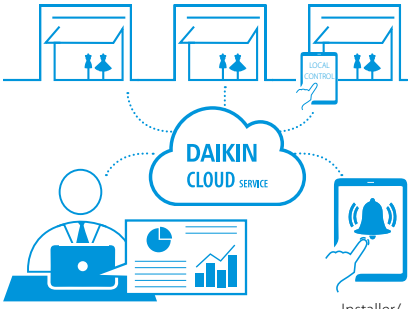
Remote control and energy visualisation

Puts you in the driving seat of your energy management

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

Multi-site monitoring

From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

Advice and optimisation

Get the best out of your system through expert advice

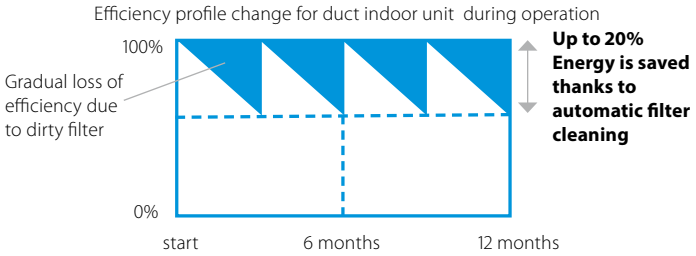
Compatible with:

- intelligent Tablet Controller (DCC601A51)
- intelligent Touch manager (DCM601A51) + IoT gateway
- LC8 + IoT gateway

Clear dashboard overview

Unique
auto cleaning technology

Reduce running costs
› Automatic filter cleaning ensures high efficiencies and low maintenance costs because the filter is always clean



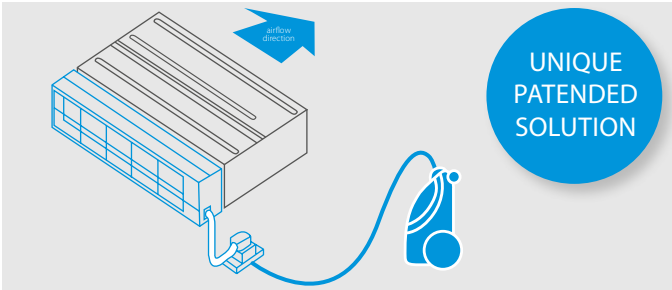
Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

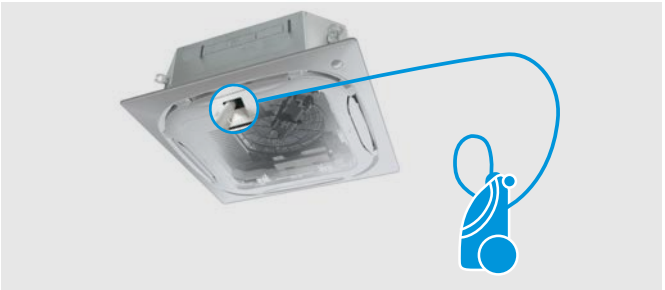
Unique technology
› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette

Unique in the market

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

How does it work?
1 Scheduled automatic filter cleaning
2 Dust collects in a dust box that's integrated into the unit
3 The dust can easily be removed with a vacuum cleaner





Concealed ceiling units
› Ideal for hotels and residential applications
› Cleaning team /owner can clean the filter

More details on page 342

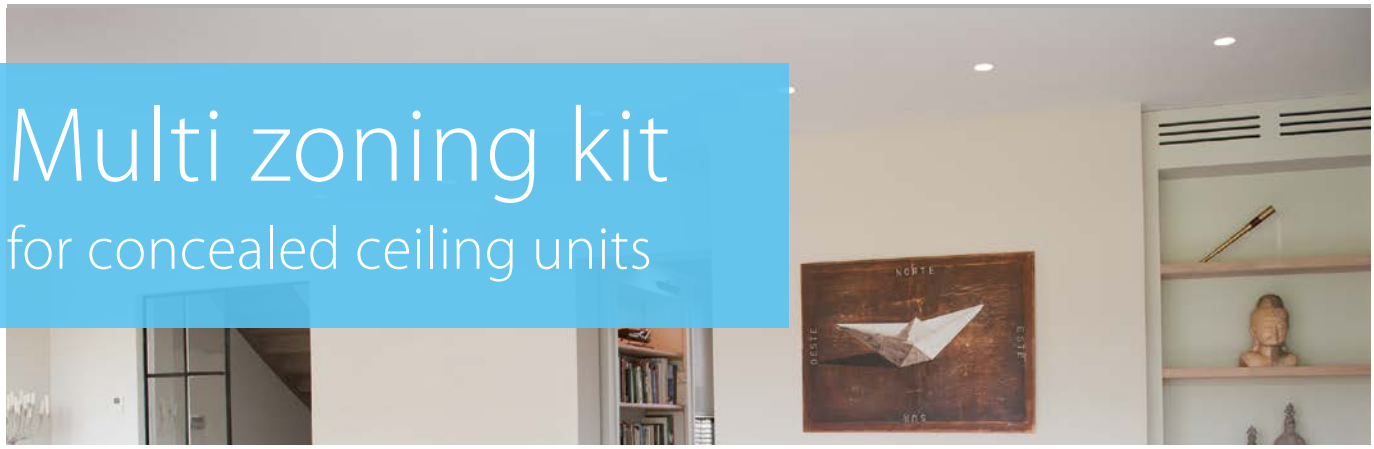
Round flow cassette
› Ideal for retail
› Staff/owner can clean the filter
› No need to use a ladder to reach the unit
› Available in standard white and black

More details on page 330

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	●	●			●	●	●	●			
BAE20A82									●	●	
BAE20A102			●	●							●

		Sky Air		VRV
		FCAG-B	FCAHG-H	FXFA-A/ FXFQ-B
BYCQ140EGF	□	●	●	●
BYCQ140EGFB	■	●	●	●



Multi zoning kit

for concealed ceiling units

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

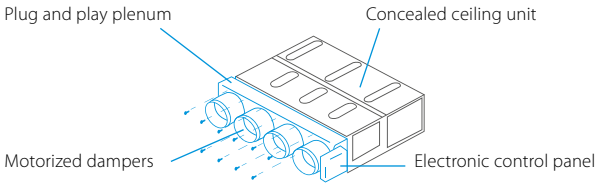
Benefits

Increased comfort

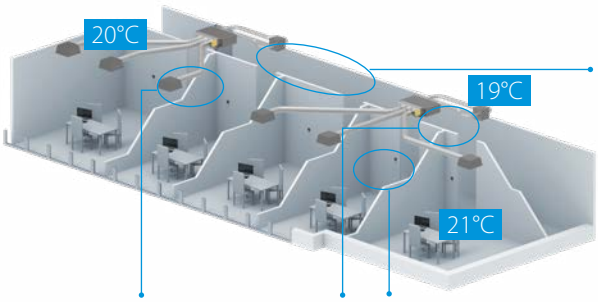
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?



Individual zone thermostats

Zoning box: fully pre-assembled plenum with dampers

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones

AZCE6BLUEFACECB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless) NEW

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless) NEW

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDA-A/FXDQ-A3 15	20	25	32	40	50	63	VRV FXSA-A/FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S2						•	•																				•	•						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S3						•	•																				•	•						
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•						
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•		
		AZEZ6DAIST07L5									•	•	•			•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•		
		AZEZ6DAIST07L6									•	•	•			•	•																	•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454								•	•	•			•	•																	•	•	
		AZEZ6DAIST07XL7																																	•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454								•	•	•			•	•																	•	•	
		AZEZ6DAIST07XL8																																	•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•															
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•															
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•													
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•												

For more information on options refer to page 737

Infrastructure cooling

Unique in the market

DUTY ROTATION

RELIABLE, CONTINUOUS OPERATION 24/7 365

Infrastructure cooling

› For rooms and enclosures that require round-the-clock cooling
› Where continuous uptime is the absolute requirement for server data protection

Between **20-40%** sensible capacity increase

Reliable

Guaranteed system operation:
› Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
› Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

Efficient

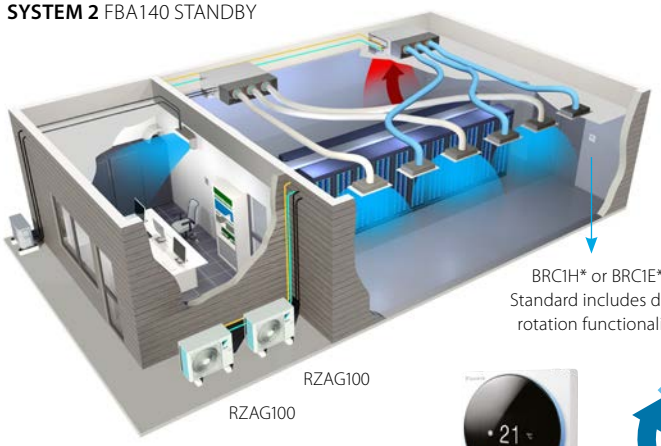
Optimum return on investment:
› Lowers running costs by using highly efficient direct expansion cooling systems
› Lower running costs compared to other DX systems and water based chillers.
› Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

Flexible

› Scalable in capacity
› Improved infrastructure control and management
› Lower physical footprint since no floor space is occupied
› Wide range of indoor units to suit application preferences (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

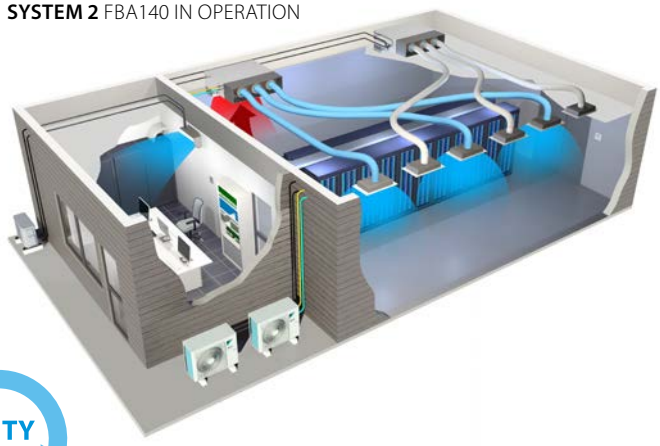
Duty rotation application example

SYSTEM 1 FBA140 IN OPERATION
SYSTEM 2 FBA140 STANDBY



DUTY ROTATION

SYSTEM 1 FBA140 STANDBY
SYSTEM 2 FBA140 IN OPERATION



Variable Refrigerant Temperature

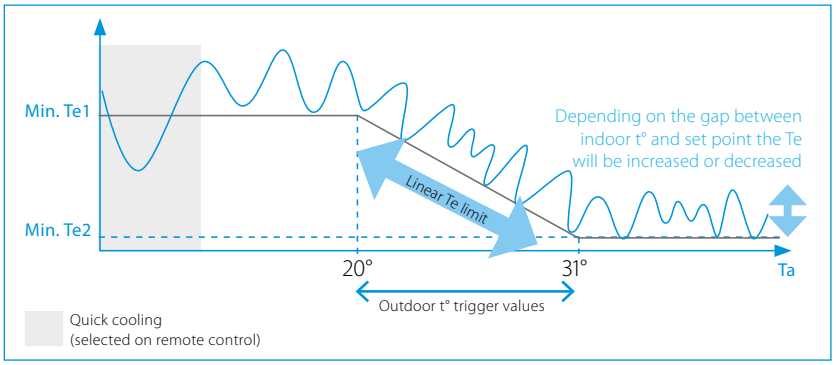
The ultimate customer experience

- ☑ **Increases air discharge temperature and eliminates cold drafts!**
- ☑ **Increased customer comfort and reduced energy consumption!**

› The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller
› Possibility to customize the evaporating limits

Weather dependent limitation

› Two defined outdoor temperatures trigger the changeover of the Te
› Between those two trigger values the Te will change linear



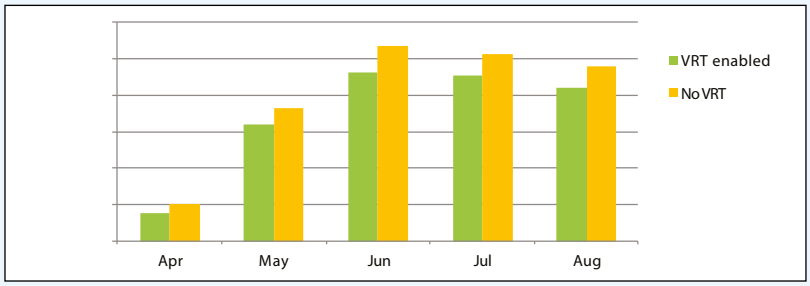
Case study: JBC, Vilvoorde

- ☑ **Two pair systems are installed in the same zone allowing comparison**

	Outdoor	Indoor	Deco panel	Control
System 1 = VRT enabled (Alpha 1)	RZAG125	FCAG125	BYCQ140	BRC1E
System 2 = Factory settings (Alpha 2)	RZAG125	FCAG125	BYCQ140	

- ☑ **More energy efficient: up to 20% lower energy consumption**

Average energy consumption over 5 months of operation



- ☑ **Improved comfort: higher discharge temperatures**

› More stable and continuous operation
› Average discharge temperature increased with 3~4°C

Replacement technology

The quick and quality way of upgrading R-22 and R-410A systems

Benefits to increase your profit

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN > DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

The benefits will convice your customer

- ☑ To prevent unexpected breakdown
- ☑ To lower running costs
- ☑ To protect the environment
- ☑ To improve comfort

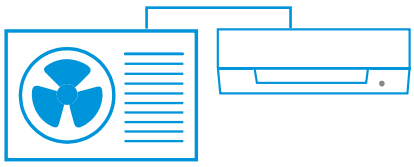
Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

How does it work?

The Daikin low-cost upgrade solution

! Replace indoor units
Contact your local dealer to check compatibility in case you need to keep the indoor units.

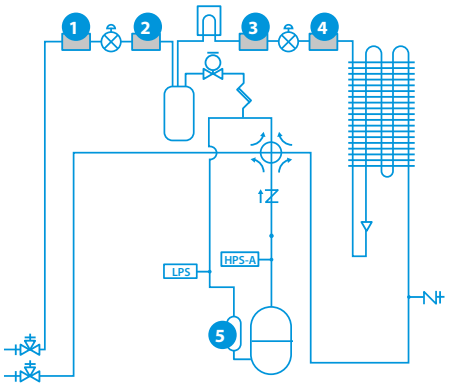


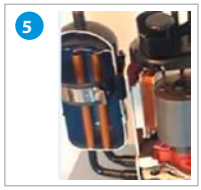
✓ Replace outdoor units

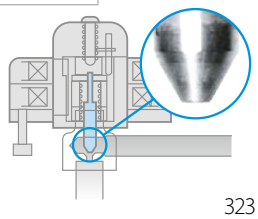
Learn more about Daikin replacement solutions at www.daikin.eu/en_us/knowledge-center/replacement-technology.html

Unique technologies

› Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction







› New expansion valve needle material, with high corrosion resistance
› New type oil for maximum system protection

Product overview SkyAir

Type	Model	Product name		PG	
Ceiling mounted cassette	UNIQUE High COP, Round flow cassette	FCAHG-H		333	360° air discharge for the highest efficiency and comfort - High COP cassette ensures top performance for commercial applications - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Round flow cassette	FCAG-B		334	360° air discharge for the highest efficiency and comfort - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Lowest installation height in the market - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Fully flat cassette	FFA-A9		340	Unique design in the market that integrates fully flat into the ceiling - Perfect integration in standard architectural ceiling tiles - Blend of iconic design and engineering excellence with a white or silver and white finish - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout without changing the location of the unit! - Quietest 600 x 600 cassette on the market
Concealed ceiling	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9		344	Slim design for flexible installation - Compact dimensions enable installation in narrow ceiling voids - Medium external static pressure up to 40Pa - Small capacity unit developed for small of well insulated rooms - Auto cleaning function ensures high efficiency and reliability
	Concealed ceiling unit with medium ESP Multi zoning option	FBA-A(9)		346	Slimmest yet most powerfull medium static pressure unit on the market! - Slimmest unit in class, only 245mm - Low operating sound level - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort
	Concealed ceiling unit with high ESP	FDA-A	 FDA125A	350	ESP up to 200Pa, ideal for large sized buildings - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume - Flexible installation as the air suction direction can be altered from rear to bottom suction
			 FDA200-250A	351	ESP up to 250Pa, Ideal for extra large sized spaces - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume
	Concealed ceiling unit Multi zoning option	ADEA-A		352	Ideal for residential applications with false ceilings - Energy label up to A - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Slimmest unit in class, only 245mm - Exclusively offered for pair applications
Wall mounted	Wall mounted unit	FAA-A		353	For rooms with no false ceilings nor free floor space - The air is comfortably spread up- and downwards thanks to 5 different discharge angles - Easy maintenance as this can be done from the front of the unit - Easy to install: 100 class is 35% lighter than previous model - Flexible to install: pipe connection can be bottom, left or right
	Perfera wall mounted unit	FTXM-N		356	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling suspended	Ceiling suspended unit	FHA-A(9)		357	For wide rooms with no false ceilings nor free floor space - Ideal for comfortable air flow in wide rooms thanks to Coanda effect - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily! - Can be mounted in corners or narrow spaces without any problem
	UNIQUE 4-way blow ceiling suspended unit	FUA-A		360	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
Floor standing	Floor standing unit	FVA-A		362	For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow
	Concealed floor standing unit	FNA-A9		364	Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location

Full R-32 BLUEVOLUTION line up

FULL single fan range

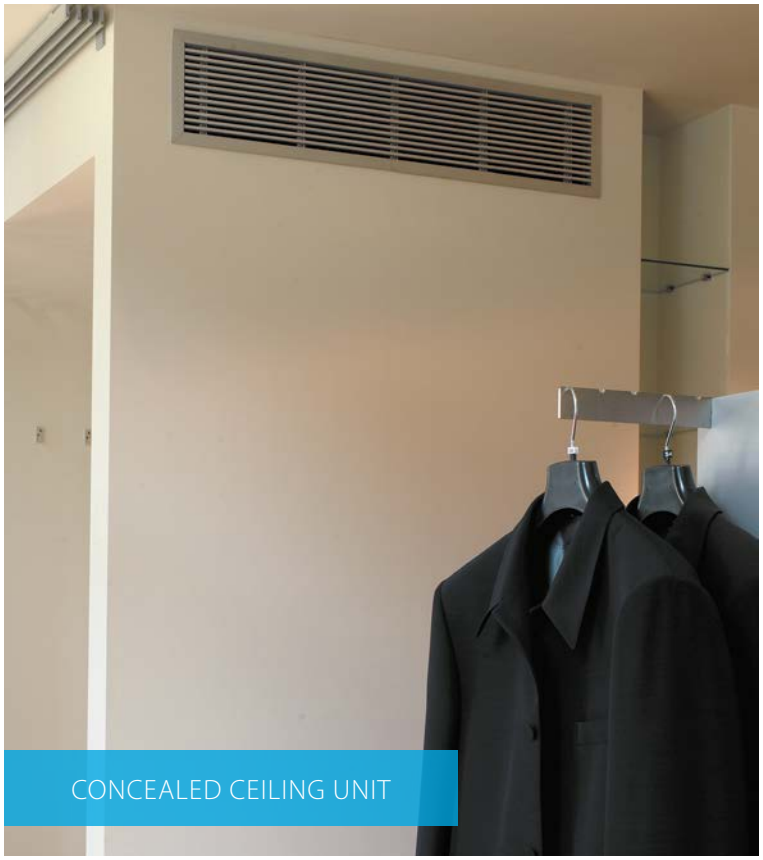
Capacity class										Outdoor unit combination				
										R-32				
										Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
25	35	50	60	71	100	125	140	200	250	RZAG-A	RZAG-NV1/NY1	RZASG*	RZA-D	ARXM*/AZAS*
				•	•	•	•				✓			
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓
•	•	•	•							✓	✓	✓	✓	
•	•	•	•							✓	✓	✓	✓	
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓
						•					✓	✓	✓	
								• NEW	• NEW				✓	
				•	•	•								✓
				•	•						✓	✓	✓	✓
	•	•	•							✓				
	•	•	•	•	•	•	•			✓	✓	✓	✓	
				•	•	•					✓	✓	✓	
				•	•	•	•				✓	✓	✓	
•	•	•	•							✓	✓	✓	✓	

Benefits overview SkyAir

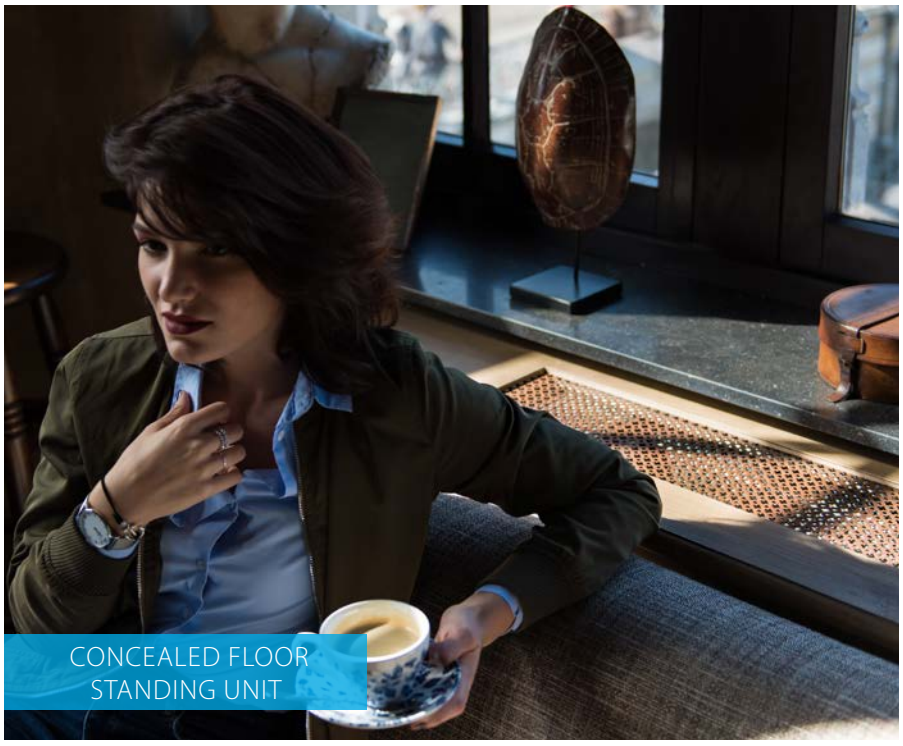
We care	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.
	Home leave operation	During absence, the indoor temperature can be maintained at a certain level.
	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow	Ceiling soiling prevention	A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Fan speed steps	Allows to select up to the given number of fan speed.
	Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer	Online controller	Can control and monitor the status of your Daikin heating or air conditioning system
	Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
	Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
	Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
	Centralised control	Centralised control to start, stop and regulate several air conditioners from one central point.
	Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment (RZAG* or RZQG* outdoor unit must be used).
	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	Drain pump kit	Facilitates condensation draining from the indoor unit.
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.
	Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Ceiling mounted cassette units			Concealed ceiling units NEW					Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	Perfera wall mounted unit	Floor standing units	
FCAHG-H	FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA125A	FDA200-250A	ADEA-A	FHA-A(9)	FUA-A	FAA-A	FTXM-N	FVA-A	FNA-A9
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●		●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●		●										
●	●	●											
●	●	●							●				
●	●	●		●			●				●		
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	● (incl. Flash streamer)	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●											
●	●	●						●	●	●	● (incl. 3D air flow)	●	
5	5	3	3	3	3	3	3	3	3	3	5	3	3
●	●	●							●				
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	● depending on controller	●	●	●	●	●	●	●	●	●	●
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	standard		optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
			●	●			●						
●	●	●	●	●	●		●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●
standard	standard	standard		standard	standard	optional	optional	optional	standard	optional			
●	●	●	●	●	●	●	●	●	●	●			●
	●	●	●	●			●	●			●		●
	●	●	●	●				●					●

FULLY FLAT CASSETTE

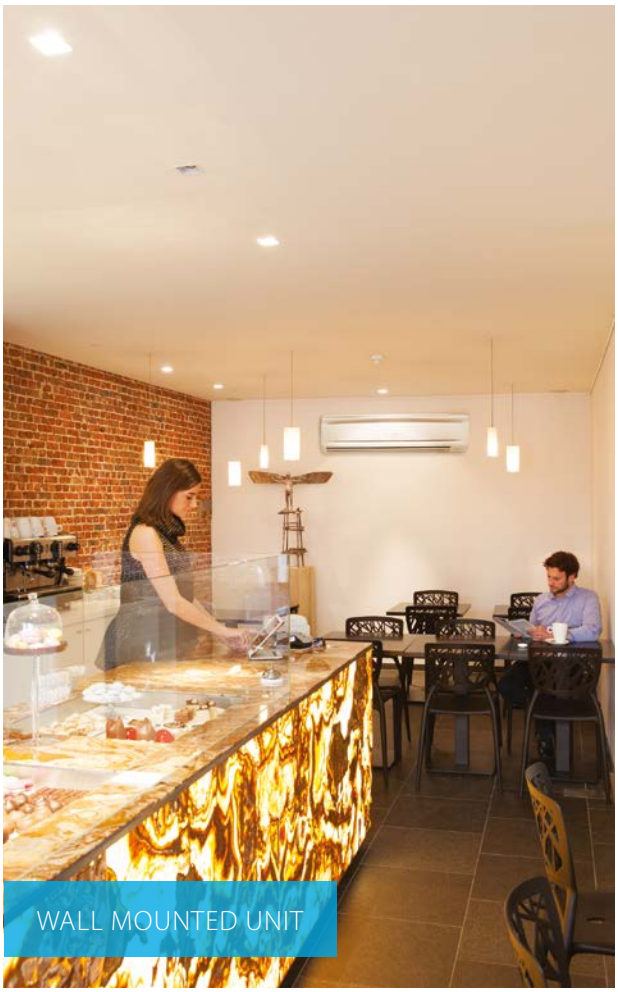


CONCEALED CEILING UNIT



CONCEALED FLOOR STANDING UNIT

4-WAY BLOW CEILING SUSPENDED CASSETTE



WALL MOUNTED UNIT

CEILING SUSPENDED UNIT

ROUND FLOW CASSETTE, DESIGNER PANEL

Round flow cassette

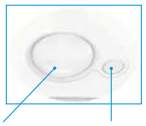
360° air discharge for improved comfort

› Industry-first and proven design.
› Wider flaps to even further improve equal temperature distribution

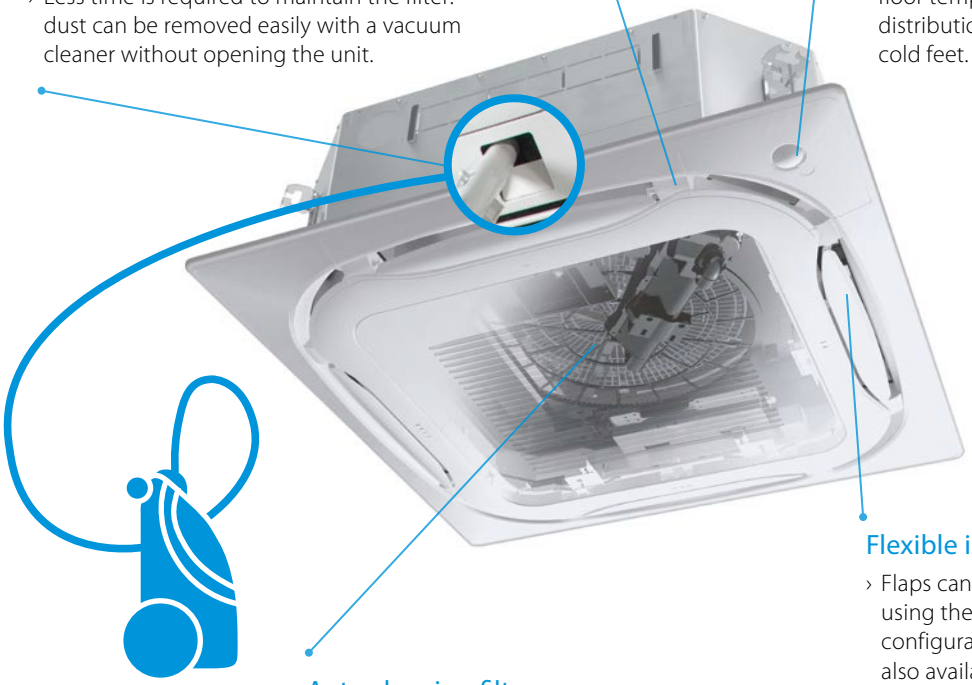
More energy efficient and user-friendly than any other cassette

› Running costs can be reduced down to 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

Intelligent sensors improve efficiency and comfort even more

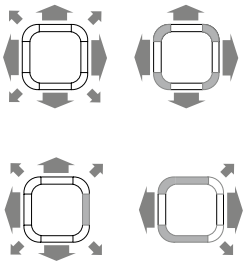


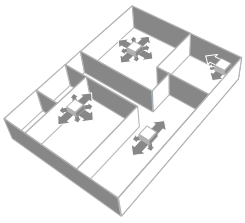
› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.
› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.



Flexible installation

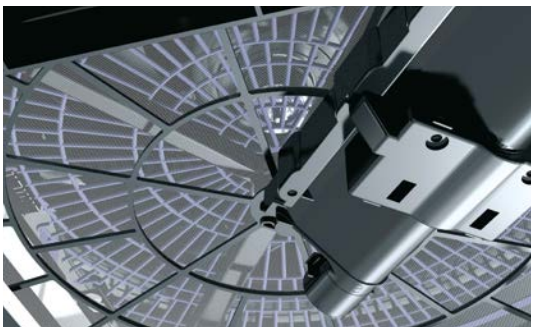
› Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.





Auto cleaning filter

Dust can simply be removed using a vacuum cleaner without opening the unit.



* Available as an option

Widest ever range of decoration panels to fit the interior and application

Standard panels available in white and black

› The unique Daikin round flow cassette with 360° air flow, wide flaps and optional intelligent sensors

BYCQ140E
white standard panel

BYCQ140EW
Full white standard panel

BYCQ140EB
black standard panel

Auto cleaning panels available in white and black

› The unique Daikin auto cleaning cassette with wide flaps and optional intelligent sensors

BYCQ140EGF
White auto cleaning panel

BYCQ140EGFB
Black auto cleaning panel

Designer panel in white and black

› New line of design panels hiding air intake grilles for a more stylized outlook
› With 360° air flow, wide flaps and optional intelligent sensors

White BYCQ140EP
White designer panel panel

BYCQ140EPB
Black designer panel

ROUND FLOW CASSETTE, BLACK DESIGNER PANEL

ROUND FLOW CASSETTE AUTO
CLEANING PANEL WITH FINE MESH FILTER

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

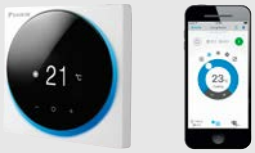
High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAHG-H

RZAG-NV1_NY1



BRC1H519W7, BRP069B82

White panel

White auto cleaning panel

Black panel

Black design panel

Efficiency data				FCAHG + RZAG	71H + 71NV1	100H + 100NV1	125H + 125NV1	140H + 140NV1	71H + 71NY1	100H + 100NY1	125H + 125NY1	140H + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++		-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.90	7.70	8.02	7.93	7.90	7.70	8.02	7.93
	ηs,c			%	-		318	314	-		318	314
	Annual energy consumption			kWh/a	301	432	905	1,014	301	432	905	1,014
Space heating (Average climate)	Energy efficiency class				A++		-		A+	A++	-	
	Capacity		Pdesign	kW	4.70		9.52		4.70		9.52	
	SCOP/A				4.61	4.75	4.53	4.44	4.56	4.75	4.53	4.44
	ηs,h			%	-		178	175	-		178	175
	Annual energy consumption			kWh/a	1,427	2,805	2,943	3,002	1,443	2,805	2,943	3,002

Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25.0							
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	65x950x950x148x950x950x106x950x950							
	Weight			kg	5.5/10.3/6.5							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4		13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4	
		Heating	Low/Medium/High	m^3/min	13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1		13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1	
Sound power level	Cooling			dBA	53.0	61.0			53.0	61.0		
	Heating			dBA	53.0	61.0			53.0	61.0		
Sound pressure level	Cooling	Low/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
	Heating	Low/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB							
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZAG/RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit			kg	81	85	95		81	85	94	
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
	Heating			dBA	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20~18							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	952/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

RZAG-NV1_NY1

BRC1H519W7, BRP069B82

White panel

White auto cleaning panel

Black panel

Black design panel

Efficiency data				FCAG + RZAG	35B + 35A	50B + 50A	60B + 60A	71B + 71NV1	100B + 100NV1	125B + 125NV1	140B + 140NV1	71B + 71NY1	100B + 100NY1	125B + 125NY1	140B + 140NY1
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class				A++					-		A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.30	6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80
	ηs,c			%	-					283	269	-		283	269
	Annual energy consumption			kWh/a	168	257	318	348	466	1,016	1,182	348	466	1,016	1,182
Space heating (Average climate)	Energy efficiency class				A+					-		A+		-	
	Capacity		Pdesign	kW	3.30	4.30	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.30		4.25	4.22	4.53	4.34		4.22	4.53	4.34	
	ηs,h			%	-					171		-		171	
	Annual energy consumption			kWh/a	1,074	1,398	1,515	1,560	2,413	3,071		1,560	2,413	3,071	

Indoor unit				FCAG	35B	50B	60B	71B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840				246x840x840		
Weight	Unit			kg	18	19		21	23		
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	65x950x950x148x950x950x106x950x950						
	Weight			kg	5.5/10.3/6.5						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling			dBA	49.0		51.0		54.0	58.0	
	Heating			dBA	49.0		51.0		54.0	58.0	
Sound pressure level	Cooling	Low/High		dBA	27.0/31.0		28.0/33.0	28.0/35.0	29.0/37.0	29.0/41.0	
	Heating	Low/High		dBA	27.0/31.0		28.0/33.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52										
	Heating	Ambient	Min.~Max.	°CWB	-20~24			-20~18							
Refrigerant	Type/GWP				R-32/675.0										
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55		85		55		85	
		System	Equivalent	m	-			75		100		75		100	
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20		32			16			

ROUND FLOW

SkyAir Advance-series
BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

RZASG100-140MV1_MY1

BRC1H519W7, BRP069B82

White panel

White auto cleaning panel

Black panel

Black design panel

Efficiency data					FCAG + RZASG	71B + 71MV1	100B + 100MV1	125B + 125MV1	140B + 140MV1	100B + 100MY1	125B + 125MY1	140B + 140MY1
Cooling capacity	Nom.				kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.				kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A++		-		A++	-	
	Capacity		Pdesign		kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER					6.47	6.55	5.76	6.53	6.55	5.76	6.53
	ηs,c				%	-		227	258	-	227	258
	Annual energy consumption				kWh/a	368	507	1,261	1,231	507	1,261	1,231
Space heating (Average climate)	Energy efficiency class					A+		-		A+	-	
	Capacity		Pdesign		kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A					4.10	4.17	4.05	4.31	4.17	4.05	4.31
	ηs,h				%	-		159	169	-	159	169
	Annual energy consumption				kWh/a	1,537	2,016	2,074	2,534	2,016	2,074	2,534

Indoor unit					FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth			mm	204x840x840	246x840x840					
Weight	Unit				kg	21	23					
Air filter	Type					Resin net						
Decoration panel	Model					Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth			mm	65x950x950x148x950x950x106x950x950						
	Weight				kg	5.5/10.3/6.5						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min		10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min		10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling				dBA	51.0	54.0	58.0		54.0	58.0	
	Heating				dBA	51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/High			dBA	28.0/35.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
	Heating	Low/High			dBA	28.0/33.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control					BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control					BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52						
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220						

Outdoor unit					RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth			mm	770x900x320	990x940x320					
Weight	Unit				kg	60	70		78	70		77
Sound power level	Cooling				dBA	65	70	71	73	70	71	73
	Heating				dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.			dBA	46	53		54	53		54
	Heating	Nom.			dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-15~46						
	Heating	Ambient	Min.~Max.		°CWB	-15~15.5						
Refrigerant	Type/GWP					R-32/675						
	Charge				kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD			mm	9.52/15.9						
	Piping length	OU - IU	Max.		m	50						
		System	Equivalent		m	70						
			Chargeless		m	30						
	Additional refrigerant charge				kg/m	See installation manual						
	Level difference	IU - OU	Max.		m	30.0						
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)				A	20	25		32	16		

ROUND FLOW

SkyAir Active-series BLUEVOLUTION

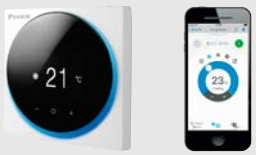
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Ideal solution for small businesses and shops
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Bigger flaps and unique swing pattern improve equal air distribution
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

AZAS100-140MV1_MY1



BRC1H519W7, BRP069B82

White panel

White auto cleaning panel

Black panel

Black design panel

Efficiency data				FCAG	71B + ARXM71N9	100B + AZAS100MV1	125B +AZAS125MV1	140B +AZAS140MV1	100B + AZAS100MY1	125B + AZAS125MY1	140B + AZAS140MY1
Cooling capacity	Nom./Max.			kW	6.80/7.05	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom./Max.			kW	7.50/7.58	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.87	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c			%		-	213	237	-	213	237
	Annual energy consumption			kWh/a	405	586	1,345	1,300	586	1,345	1,300
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.00	3.85	3.80	4.31	3.85	3.80	4.31
	ηs,h			%		-	149	169	-	149	169
	Annual energy consumption			kWh/a	1,573	2,182	2,211	2,534	2,182	2,211	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	23					
Air filter	Type				Resin net	Resin net					
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	65x950x950x148x950x950x106x950x950						
	Weight			kg	5.5/10.3/6.5						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling			dBA	51.0	54.0	58.0		54.0	58.0	
	Heating			dBA	51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/High		dBA	28.0/35.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
	Heating	Low/High		dBA	28.0/33.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	50						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	16	25		32	16		

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combinaiton with split outdoor units is ideal for small retail, offices or residential applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

White panel | White auto cleaning panel | Black panel | Black design panel

Efficiency data				FCAG + RXM	35B + 35N9	50B + 50N9	60B + 60N9
Cooling capacity	Nom.			kW	3.50	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.54	6.40
	ηs,c			%		-	
	Annual energy consumption			kWh/a	193	266	312
Space heating (Average climate)	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.30	4.20
	ηs,h			%		-	
	Annual energy consumption			kWh/a	948	1,419	1,569

Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840	
Weight	Unit			kg	18	19	
Air filter	Type					Resin net	
Decoration panel	Model					Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black	
	Dimensions	HeightxWidthxDepth		mm		65x950x950x148x950x950x106x950x950	
	Weight			kg		5.5/10.3/6.5	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9
		Heating	Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9
Sound power level	Cooling			dBA		49.0	51.0
	Heating			dBA		49.0	51.0
Sound pressure level	Cooling	Low/High		dBA		27.0/31.0	28.0/33.0
	Heating	Low/High		dBA		27.0/31.0	28.0/33.0
Control systems	Infrared remote control					BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB	
	Wired remote control					BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220	

Outdoor unit				RXM	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	734x870x373	
Weight	Unit			kg	32	50	
Sound power level	Cooling			dBA	61	62	63
	Heating			dBA	61	62	63
Sound pressure level	Cooling	Nom.		dBA	49	48	
	Heating	Nom.		dBA		49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type					R-32	
	GWP					675	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.78	
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm	9.52	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	20	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

Fully Flat Cassette

Design & Genius in one

Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

FFA-A9 / FXZQ-A

Choice between grey or white panel

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

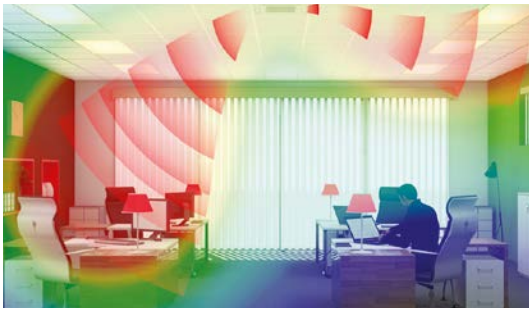
› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

Unique design

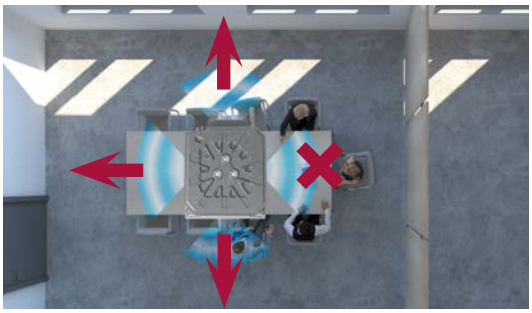
› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).



Differentiating in technology

Optional presence sensor
› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor
› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.



Top efficiency

› Seasonal efficiency labels up to A++*
› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

* for FFA25,35A9 in combination with RXM25,35M9

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

Marketing tools

› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

SkyAir Alpha-series BLUEVOLUTION

Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed

FFA-A9

RZAG25-60A

BRC1H519W7, BRP069A81

Efficiency data				FFA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50
Space cooling	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				6.40	6.30	5.80
	ηs,c			%	-		
	Annual energy consumption			kWh/a	191	278	362
Space heating (Average climate)	Energy efficiency class				A	A+	
	Capacity		Pdesign	kW	4.20	4.30	4.50
	SCOP/A				3.80	4.01	4.04
	ηs,h			%	-		
	Annual energy consumption			kWh/a	1,546	1,501	1,558

Indoor unit				FFA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575		
Weight	Unit			kg	16.0	17.5	
Air filter	Type				Resin net		
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1		
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)		
	Dimensions	HeightxWidthxDepth		mm	46x620x620x46x620x620x55x700x700x55x700x700		
	Weight			kg	2.8/2.8/2.7/2.7		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling			dBA	51.0	56.0	60.0
Sound pressure level	Cooling	Low/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-		
			Chargeless	m	-		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed

Efficiency data					FFA + RXM	25A9 + 25N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.				kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.				kW	3.20	4.20	5.80	7.00
Space cooling	Energy efficiency class					A++		A+	
	Capacity		Pdesign		kW	2.50	3.40	5.00	5.70
	SEER					6.17	6.38	5.98	5.76
	ηs,c				%	-			
	Annual energy consumption				kWh/a	142	186	292	347
Space heating (Average climate)	Energy efficiency class					A+		A	A+
	Capacity		Pdesign		kW	2.31	3.10	3.84	3.96
	SCOP/A					4.24	4.10	3.90	4.04
	ηs,h				%	-			
	Annual energy consumption				kWh/a	762	1,058	1,377	1,372

Indoor unit					FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth			mm	260x575x575			
Weight	Unit				kg	16.0		17.5	
Air filter	Type					Resin net			
Decoration panel	Model					BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1			
	Colour					White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth			mm	46x620x620x46x620x620x55x700x700x55x700x700			
	Weight				kg	2.8/2.8/2.7/2.7			
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High		m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling				dBA	48.0	51.0	56.0	60.0
Sound pressure level	Cooling	Low/High			dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High			dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control					BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			

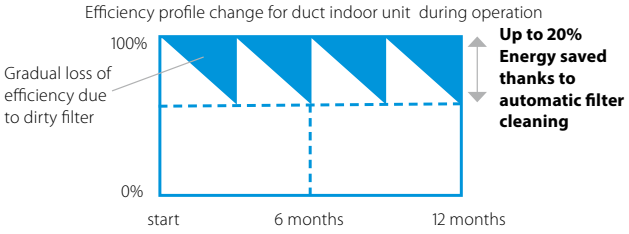
Outdoor unit					RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth			mm	550x765x285		734x870x373	
Weight	Unit				kg	32		50	
Sound power level	Cooling				dBA	58	61	62	63
	Heating				dBA	59	61	62	63
Sound pressure level	Cooling	Nom.			dBA	46	49	48	
	Heating	Nom.			dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-10~50			
	Heating	Ambient	Min.~Max.		°CWB	-20~24			
Refrigerant	Type					R-32			
	GWP					675			
	Charge				kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD			mm	6.35			
	Gas	OD			mm	9.52		12.7	
	Piping length	OU - IU	Max.		m	20		30	
		System	Chargeless		m	10		-	
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.		m	15		20	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)				A	-			

Auto cleaning filter for concealed ceiling units

The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

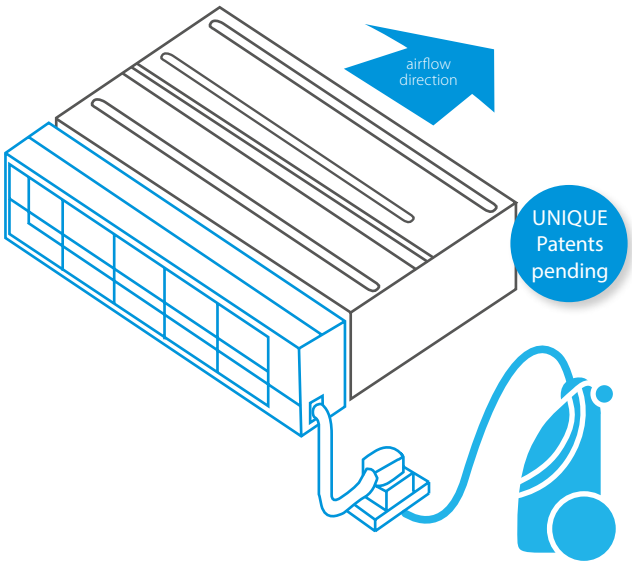
Superb reliability

› Prevents clogged filters for seamless operation

Unique in the market

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



How does it work?

1 Scheduled automatic filter cleaning
2 Dust collects in a dust box that's integrated into the unit
3 The dust can easily be removed with a vacuum cleaner

YouTube

www.youtube.com/DaikinEurope

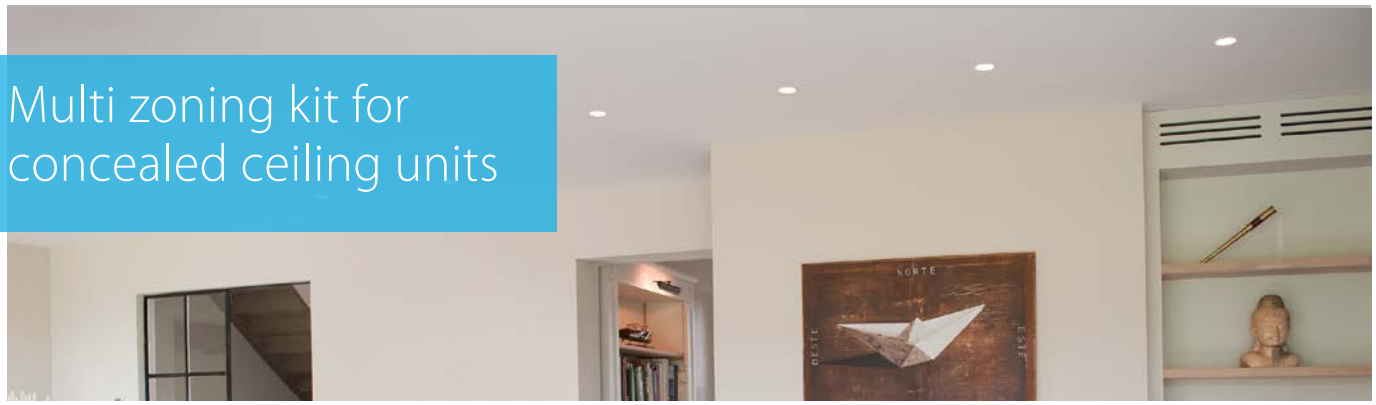
Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	212		
Width (mm)	764	964	1164
Width (mm) (incl. hanger bracket)	984	1094	1294
Depth (mm)	201		

Multi zoning kit for concealed ceiling units



The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

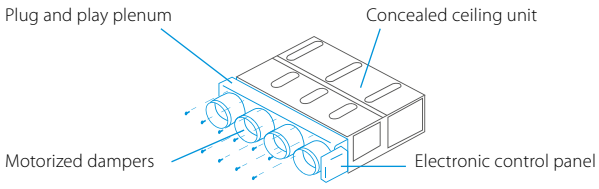
Benefits

Increased comfort

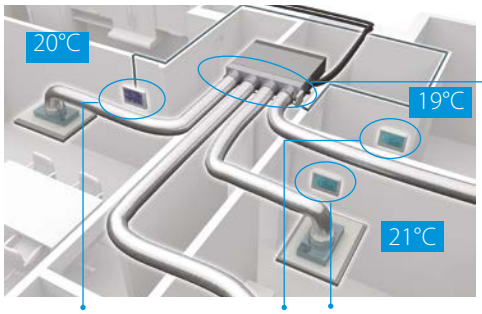
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

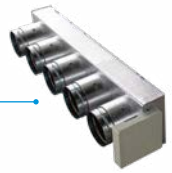
Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?





Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones
› Wired communication

AZCE6BLUEFACECB

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones
› Radio communication

AZCE6THINKRB

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature
› Radio communication

AZCE6LITERB

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S2						•	•																				•	•					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S3						•	•																				•	•					
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•					
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•		
		AZEZ6DAIST07L5										•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•		
		AZEZ6DAIST07L6										•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																	•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																	•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•														
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•														
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•												
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•											

Sky Air Alpha-series BLUEVOLUTION

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

FDXM25-35F9

RZAG25-60A

BRC1H519W7, BRP069A81

with auto cleaning and multi zoning option

Efficiency data					**FDXM + RZAG**	**35F9 + 35A**	**50F9 + 50A**	**60F9 + 60A**
Cooling capacity	Min./Nom./Max.				kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.				kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class					A+		
	Capacity		Pdesign		kW	3.50	5.00	6.00
	SEER					5.90		5.70
	ηs,c				%	-		
	Annual energy consumption				kWh/a	208	296	368
Space heating (Average climate)	Energy efficiency class					A		
	Capacity		Pdesign		kW	3.50	4.30	4.50
	SCOP/A					3.90		
	ηs,h				%	-		
	Annual energy consumption				kWh/a	1,255	1,544	1,616

Indoor unit					**FDXM**	**35F9**	**50F9**	**60F9**
Dimensions	Unit	HeightxWidthxDepth			mm	200x750x620	200x1,150x620	
Weight	Unit				kg	21	28	
Air filter	Type					Removable / washable		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High		m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.			Pa	30	40	
Sound power level	Cooling				dBA	53.0	55.0	56.0
	Heating				dBA	53.0	55.0	56.0
Sound pressure level	Cooling	Low/High			dBA	27.0/35.0	30.0/38.0	
	Heating	Low/High			dBA	27.0/35.0	30.0/38.0	
Control systems	Infrared remote control					BRC4C65		
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		

Outdoor unit					**RZAG**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth			mm	734x870x373		
Weight	Unit				kg	52		
Sound power level	Cooling				dBA	62.0	63.0	64.0
	Heating				dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.			dBA	48.0	49.0	50.0
	Heating	Nom.			dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20~52		
	Heating	Ambient	Min.~Max.		°CWB	-20~24		
Refrigerant	Type/GWP					R-32/675.0		
	Charge				kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD			mm	64/9.50	64/12.7	
	Piping length	OU - IU	Max.		m	50		
		System	Equivalent		m	-		
			Chargeless		m	-		
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.		m	30.0		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)				A	-		

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

FDXM25-35F9

RXM-N9

BRC1H519W7, BRP069A81

with auto cleaning and multi zoning option

Efficiency data				**FDXM + RXM**	**25F9 + 25N9**	**35F9 + 35N9**	**50F9 + 50N9**	**60F9 + 60N9**
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	ηs,c			%	-			
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	ηs,h			%	-			
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				**FDXM**	**25F9**	**35F9**	**50F9**	**60F9**
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			

Outdoor unit				**RXM**	**25N9**	**35N9**	**50N9**	**60N9**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD		mm	635		64	
	Gas	OD		mm	9.50		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

SkyAir Alpha-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Efficiency data				FBA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/7.0	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class				A++					-		A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.12	6.30	6.15	6.22	6.47	6.19	6.42	6.22	6.47	6.19	6.42
	ηs,c			%	-					245	254	-		245	254
	Annual energy consumption			kWh/a	200	278	341	382	514	1,173	1,252	382	514	1,173	1,252
Space heating (Average climate)	Energy efficiency class				A+					-		A+		-	
	Capacity		Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10			4.20	4.36	4.12	4.11	4.20	4.36	4.12	4.11
	ηs,h			%	-					162	161	-		162	161
	Annual energy consumption			kWh/a	1,434	1,469	1,537	1,566	2,505	3,235	3,243	1,566	2,505	3,235	3,243

Indoor unit				FBA	35A9	50A9	60A9	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800		245x1,400x800		
Weight	Unit			kg	28.0		35.0		46.0		
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150				40/150	50/150	
Sound power level	Cooling			dBA	60.0		56.0		58.0	62.0	
Sound pressure level	Cooling	Low/High		dBA	29.0/35.0		25.0/30.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

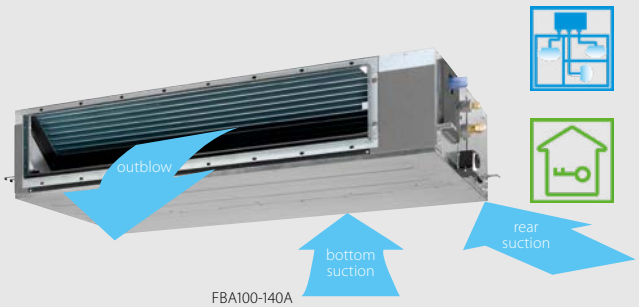
Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52										
	Heating	Ambient	Min.~Max.	°CWB	-20~24			-20~18							
Refrigerant	Type/GWP				R-32/675.0										
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20		32			16			

SkyAir Advance-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume



FBA100-140A

RZASG100-140MV1_MY1

BRC1H519W7, BRP069A81

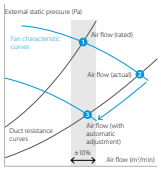
with multi zoning option

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature.
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				FBA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.19	5.83	5.49	5.81	5.83	5.49	5.81
	ηs,c			%	-		217	229	-	217	229
	Annual energy consumption			kWh/a	385	570	1,322	1,384	570	1,322	1,384
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.01	3.85	3.63	3.85		3.63	3.85
	ηs,h			%	-		142	151	-	142	151
	Annual energy consumption			kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Efficiency data				FBA	71A9 / ARXM71N9	100A + AZAS100MV1	125A + AZAS125MV1	140A + AZAS140MV1	100A + AZAS100MY1	125A + AZAS125MY1	140A + AZAS140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c			%	-		191	217	-	191	217
	Annual energy consumption			kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.81		3.55	3.85	3.81	3.55	3.85
	ηs,h			%	-		139	151	-	139	151
	Annual energy consumption			kWh/a	1,652	2,205	2,366	2,836	2,205	2,366	2,836

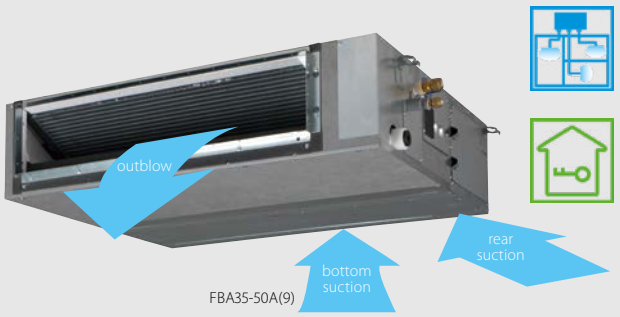
Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	50						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume



FBA35-50A(9)

RXM-N9

BRC1H519W7, BRP069A81

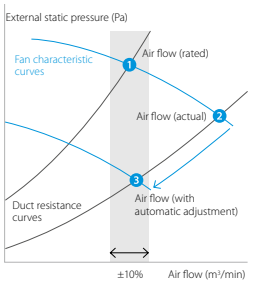
with multi zoning option

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance →
the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically
(10 or more fan curves are available on every model), making installation much faster



Efficiency data					**FBA + RXM**	**35A9 + 35N9**	**50A9 + 50N9**	**60A9 + 60N9**
Cooling capacity	Nom.				kW	3.40	5.00	5.70
Heating capacity	Nom.				kW	4.00	5.50	7.00
Space cooling	Energy efficiency class					A++		A+
	Capacity		Pdesign		kW	3.40	5.00	5.70
	SEER					6.23	6.27	5.91
	ηs,c				%	-		
	Annual energy consumption				kWh/a	191	279	337
Space heating (Average climate)	Energy efficiency class					A+		
	Capacity		Pdesign		kW	2.90	4.40	4.60
	SCOP/A					4.07	4.06	4.01
	ηs,h				%	-		
	Annual energy consumption				kWh/a	996	1,517	1,607

Indoor unit					**FBA**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth			mm	245x700x800		245x1,000x800
Weight	Unit				kg	28.0		35.0
Air filter	Type					Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
		Heating	Low/Medium/High		m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
	External static pressure	Nom./High			Pa	30/150		
Sound power level	Cooling				dBA	60.0		56.0
Sound pressure level	Cooling	Low/High			dBA	29.0/35.0		25.0/30.0
	Heating	Low/High			dBA	29.0/37.0		25.0/31.0
Control systems	Infrared remote control					BRC4C65 / BRC4C66		
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220		

Outdoor unit					**RXM**	**35N9**	**50N9**	**60N9**
Dimensions	Unit	HeightxWidthxDepth			mm	550x765x285	734x870x373	
Weight	Unit				kg	32	50	
Sound power level	Cooling				dBA	61	62	63
	Heating				dBA	61	62	63
Sound pressure level	Cooling	Nom.			dBA	49	48	
	Heating	Nom.			dBA	49		
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-10~50		
	Heating	Ambient	Min.~Max.		°CWB	-20~24		
Refrigerant	Type					R-32		
	GWP					675		
	Charge				kg/TCO2Eq	0.76/0.52	1.15/0.78	
Piping connections	Liquid	OD			mm	6.35		
	Gas	OD			mm	9.52	12.7	
	Piping length	OU - IU	Max.		m	20	30	
		System	Chargeless		m	10	-	
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.		m	15	20	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)				A	-		

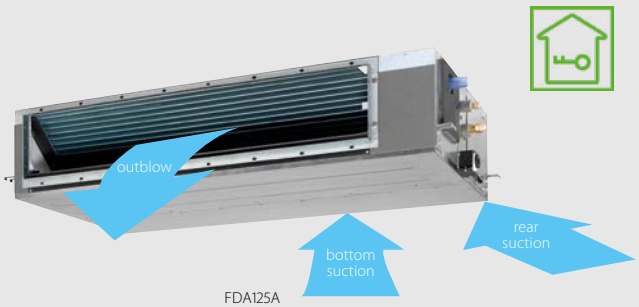
SkyAir Alpha-series

SkyAir Advance-series
BLUEVOLUTION

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Built-in drain pump (625mm) increases the flexibility and installation speed (standard for FDA125, optional for FDA200-250)
- Standard supplied suction filter simplifies installation
- Up to 26.4kW in heating mode



FDA125A

RZAG-NV1_NY1

BRC1H519W7, BRP069A81

						Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data					**FDA + RZAG**	**125A + 125NV1**	**125A + 125NY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Nom.				kW	12.1			
Heating capacity	Nom.				kW	13.5			
Space cooling	Energy efficiency class					-			
	Capacity		Pdesign		kW	12.1			
	SEER					6.59		5.03	
	ηs,c				%	261		198	
	Annual energy consumption				kWh/a	1,102		1,444	
Space heating (Average climate)	Energy efficiency class					-			
	Capacity		Pdesign		kW	9.52		6.00	
	SCOP/A					4.08		3.58	
	ηs,h				%	160		140	
	Annual energy consumption				kWh/a	3,267		2,346	

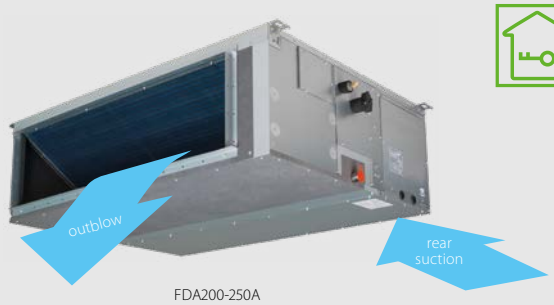
Indoor unit					**FDA**	**125A**	**125A**	**125A**	**125A**
Dimensions	Unit	HeightxWidthxDepth			mm	300x1,400x700			
Weight	Unit				kg	45			
Required ceiling void >					mm	350			
Air filter	Type					Resin net			
Decoration panel	Model					BYBS125DJW1			
	Colour					White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth			mm	55x1,500x500			
	Weight				kg	6.5			
Fan	Air flow rate	Cooling	Low/High		m^3/min	28.0/39.0			
		Heating	Low/High		m^3/min	28.0/39.0			
	External static pressure	Nom./High			Pa	50/200			
Sound power level	Cooling				dBA	66			
Sound pressure level	Cooling	Low/High			dBA	33/40			
	Heating	Low/High			dBA	33/40			
Control systems	Infrared remote control					BRC4C65 / BRC4C66			
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220			

Outdoor unit					**RZAG125NV1**	**RZAG125NY1**	**RZASG125MV1**	**RZASG125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		990x940x320	
Weight	Unit			kg	95	94	70	
Sound power level	Cooling			dBA	69		71	
	Heating			dBA	68		71	
Sound pressure level	Cooling	Nom.		dBA	49		53	
	Heating	Nom.		dBA	52		57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~18		-15~15.5	
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	3.70/2.50		2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	952/15.9		9.52/15.9	
	Piping length	OU - IU	Max.	m	85		50	
		System	Equivalent	m	100		70	
			Chargeless	m	40		30	
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	3~/50/380-415	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	32	16	32	16

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

- High external static pressure up to 250 Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Optional drain pump
- Standard supplied suction filter simplifies installation
- Up to 27.6kW in heating mode



FDA200-250A

RZA-D

BRC1H519W7, BRP069B82

Set					FDA200A / RZA200D	FDA250A / RZA250D
Cooling capacity	Nom.			kW	19.0	22.0
Heating capacity	Nom.			kW	22.4	24.0
Space cooling	Capacity		Pdesign	kW	19.0	22.0
	SEER				6.26	5.38
	ηs,c			%	247	212
	Annual energy consumption			kWh/a	1,821	2,455
Space heating (Average climate)	Capacity		Pdesign	kW	11.2	12.1
	SCOP				3.59	3.55
	ηs,h			%	141	139
	Annual energy consumption			kWh/a	4,368	4,765

Indoor unit				FDA	200A	250A
Cooling capacity	Total capacity	Nom.		kW	19	22
Heating capacity	Total capacity	Nom.		kW	22.4	24
Power input - 50Hz	Cooling	Nom.		kW	0.32	0.4
	Heating	Nom.		kW	0.32	0.4
Dimensions	Unit	HeightxWidthxDepth		mm	470x1,490x1,100	
Weight	Unit			kg	104	115
Casing	Material				Galvanised steel plate	
Fan	Air flow rate	Cooling	Low/High	m^3/min	36 / 64	43 / 69
		Heating	Low/High	m^3/min	36 / 64	43 / 69
	External static pressure	Nom./High		Pa	62 / 250	
Air filter	Type				Resin net	
Sound power level	Cooling			dBA	69	71
Sound pressure level	Cooling	Low / Med. / High		dBA	36 / 39 / 43	37 / 40 / 44
	Heating	Low / Med. / High		dBA	36 / 39 / 43	37 / 40 / 44
Refrigerant	Type				R-32/R-410A	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	19.1	22.2
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	
Control systems	Infrared remote control				BRC4C65	
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52	

Outdoor unit					RZA200D	RZA250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	120	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO_2Eq	5.0/3.38	
Piping connections	Liquid/Gas	OD		mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
			Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
	Level difference	IU - OU	Max.	m	30	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

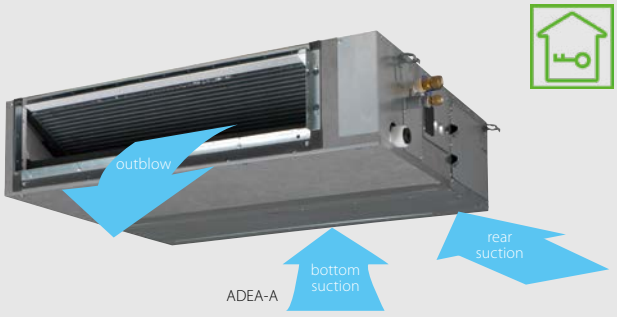
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

SkyAir Active-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Ideal for residential applications with false ceilings

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Standard drain pump



ADEA-A

AZAS100-140MV1_MY1

BRC1E53A/B/C , BRP069A81

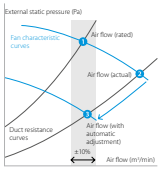
with multi zoning option

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				ADEA	71A + ARXM71N9	100A + AZAS100MV1	125A + AZAS125MV1
Cooling capacity	Nom.			kW	6.80	9.50	12.10
Heating capacity	Nom.			kW	7.50	10.80	13.50
Power input	Cooling		Nom.	kW	2.31	-	
	Heating		Nom.	kW	2.15	-	
Space cooling	Energy efficiency class				A		-
	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	ηs,c			%	-		186
	Annual energy consumption			kWh/a	445	648	1,534
Space heating (Average climate)	Energy efficiency class				A		-
	Capacity		Pdesign	kW	6.00		
	SCOP/A				3.80	3.81	3.50
	ηs,h			%	-		137
	Annual energy consumption			kWh/a	2,209	2,206	2,399

Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800	
Weight	Unit			kg	35.0	46.0	
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure level	Cooling	Low/High		dBA	25/30	30/34	32/37
	Heating	Low/High		dBA	25/31	30/36	32/38
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240/220		

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50.0	70	
Sound power level	Cooling			dBA	65	70	71
	Heating			dBA	65	-	71
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5	
Refrigerant	Type/ GWP				R-32/675	R-32/675	
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76	
Piping connections	Liquid/ Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	30	30	
		System	Equivalent	m		50	
			Chargeless	m		30	
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual	
	Level difference	IU - OU	Max.	m	20	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32

SkyAir Alpha-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA100A

RZAG-NV1_NY1

BRC1H519W7, BRP069A81

Efficiency data					FAA + RZAG	71A + 71NV1	100A + 100NV1	71A + 71NY1	100A + 100NY1
Cooling capacity	Nom.				kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.				kW	7.50	10.8	7.50	10.8
Space cooling	Energy efficiency class					A++			
	Capacity		Pdesign		kW	6.80	9.50	6.80	9.50
	SEER					6.58	6.42	6.58	6.42
	ηs,c				%	-			
	Annual energy consumption				kWh/a	362	518	362	518
Space heating (Average climate)	Energy efficiency class					A+			
	Capacity		Pdesign		kW	4.70	7.80	4.70	7.80
	SCOP/A					4.02	4.01	4.02	4.01
	ηs,h				%	-			
	Annual energy consumption				kWh/a	1,637	2,723	1,637	2,723

Indoor unit					FAA	71A	100A	71A	100A
Dimensions	Unit	HeightxWidthxDepth			mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit				kg	13.0	17.0	13.0	17.0
Air filter	Type					-			
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	14.0/16/18.0	19.0/23/26.0	14.0/16/18.0	19.0/23/26.0
		Heating	Low/Medium/High		m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	14.0/16.0/18.0	19.0/23.0/26.0
Sound power level	Cooling				dBA	61	65	61	65
	Heating				dBA	61	65	61	65
Sound pressure level	Cooling	Low/High			dBA	40/45	41/49	40/45	41/49
	Heating	Low/High			dBA	40/45	41/49	40/45	41/49
Control systems	Infrared remote control					BRC7EB518			
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			

Outdoor unit					RZAG/RZAG	71NV1	100NV1	71NY1	100NY1
Dimensions	Unit	HeightxWidthxDepth			mm	870x1,100x460			
Weight	Unit				kg	81	85	81	85
Sound power level	Cooling				dBA	64	66	64	66
Sound pressure level	Cooling	Nom.			dBA	46	47	46	47
	Heating	Nom.			dBA	48	50	48	50
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20~52			
	Heating	Ambient	Min.~Max.		°CWB	-20~18			
Refrigerant	Type/GWP					R-32/675			
	Charge				kg/TCO2Eq	3.20/2.16			
Piping connections	Liquid/Gas	OD			mm	952/15.9			
	Piping length	OU - IU	Max.		m	55	85	55	85
		System	Equivalent		m	75	100	75	100
			Chargeless		m	40			
	Additional refrigerant charge				kg/m	See installation manual			
	Level difference	IU - OU	Max.		m	30			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)				A	20	32	16	

SkyAir Advance-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA100A

RZASG100-140MV1_MY1

BRC1H519W7, BRP069A81

Efficiency data				**FAA + RZASG**	**71A + 71MV1**	**100A + 100MV1**	**100A + 100MY1**
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				6.41	5.83	
	ηs,c			%	-		
	Annual energy consumption			kWh/a	371	570	
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.90	3.85	
	ηs,h			%	-		
	Annual energy consumption			kWh/a	1,615	2,182	

Indoor unit				**FAA**	**71A**	**100A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16/18.0	19.0/23/26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Infrared remote control				BRC7EB518		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				**RZASG/RZASG**	**71MV1**	**100MV1**	**100MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	60	70	
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	46	53	
	Heating	Nom.		dBA	47	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	70		
			Chargeless	m	30		
	Additional refrigerant charge			kg/m	See installation manual		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	16

SkyAir Active-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA100A

AZAS100-140MV1_MY1

BRC1H519W7, BRP069A81

Efficiency data					FAA	71A + ARXM71N9	100A + AZAS100MV1	100A + AZAS100MY1
Cooling capacity	Nom./Max.				kW	6.80/6.95	9.50	
Heating capacity	Nom./Max.				kW	7.50/7.59	10.8	
Space cooling	Energy efficiency class					A+	A	
	Capacity		Pdesign		kW	6.80	9.50	
	SEER					5.77	5.25	
	ηs,c				%	-		
	Annual energy consumption				kWh/a	412	633	
Space heating (Average climate)	Energy efficiency class					A		
	Capacity		Pdesign		kW	4.50	6.00	
	SCOP/A					3.81	3.81	
	ηs,h				%	-		
	Annual energy consumption				kWh/a	1,652	2,205	

Indoor unit					FAA	71A	100A	100A
Dimensions	Unit	HeightxWidthxDepth			mm	290x1,050x238	340x1,200x240	
Weight	Unit				kg	13.0	17.0	
Air filter	Type					-		
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	14.0/16/18.0	19.0/23/26.0	
		Heating	Low/Medium/High		m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	
Sound power level	Cooling				dBA	61	65	
	Heating				dBA	61	65	
Sound pressure level	Cooling	Low/High			dBA	40/45	41/49	
	Heating	Low/High			dBA	40/45	41/49	
Control systems	Infrared remote control					BRC7EB518		
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240		

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50.0	70	
Sound power level	Cooling			dBA	65	70	
	Heating			dBA	65	-	
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5	
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.90		
	Piping length	OU - IU	Max.	m	30	30	
		System	Equivalent	m		50	
			Chargeless	m		30	
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual	
	Level difference	IU - OU	Max.	m	20	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	16

perfera

SkyAir Alpha-series BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

FTXM20-42N

RZAG25-60A

ARC466A33

Efficiency data				FTXM + RZAG	35N + 35A	50N + 50A	60N + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/6.8
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.30	1.50/6.00/6.50	1.60/7.00/7.50
Space cooling	Energy efficiency class				A++		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				7.70	7.41	6.90
	ηs,c			%	-		
	Annual energy consumption			kWh/a	159	236	304
Space heating (Average climate)	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	2.60	4.50	4.60
	SCOP/A				4.60		4.35
	ηs,h			%	-		
	Annual energy consumption			kWh/a	790	1,369	1,480

Indoor unit				FTXM	35N	50N	60N
Dimensions	Unit	HeightxWidthxDepth		mm	294x811x272	300x1,040x295	
Weight	Unit			kg	10.0	14.5	
Air filter	Type				Removable / washable		
Fan	Air flow rate	Cooling	Silent operation/Low/ Medium/High	m^3/min	4.6/6.4/8.3/12.3	8.1/11.6/14.2/16.1	9.1/12.0/14.6/17.1
		Heating	Silent operation/Low/ Medium/High	m^3/min	5.3/7.1/9.0/10.8	10.7/12.2/14.6/17.1	11.2/12.6/15.6/17.7
Sound power level	Cooling			dBA	58		60
	Heating			dBA	54	58	59
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/29/45	27/36/44	30/37/46
	Heating	Silent operation/Low/High		dBA	20/28/39	31/34/43	33/36/45
Control systems	Infrared remote control				ARC466A33		
	Wired remote control				BRC073A1		

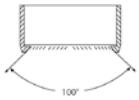
Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-		
			Chargeless	m	-		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

SkyAir Alpha-series
BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space

› Reduced energy consumption thanks to specially developed DC fan motor

FHA60-71A9

RZAG25-60A

BRC1H519W7, BRP069A81

› 5 different fan speeds available for maximum comfort
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

Efficiency data				FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.			kW	1.7/3.5/4.5	1.7/5.0/6.0	1.9/6.0/6.8	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.50	1.70/5.80/6.50	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class				A++					-		A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.40	6.80	6.60	7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	ηs,c			%	-					283	254	-		283	254
	Annual energy consumption			kWh/a	191	257	318	335	518	1,017	1,253	335	518	1,017	1,253
Space heating (Average climate)	Energy efficiency class				A+				A++	-		A+	A++	-	
	Capacity		Pdesign	kW	3.10	4.00	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10	4.30	4.20	4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30
	ηs,h			%	-					161	169	-		161	169
	Annual energy consumption			kWh/a	1,058	1,302	1,633	1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100

Indoor unit				FHA	35A9	50A9	60A9	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690		235x1,590x690		
Weight	Unit			kg	24	25	31	32	38.0		
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	53.0	54.0		55.0	60	62	64
Sound pressure level	Cooling	Low/High		dBA	31.0/36.0	32.0/37.0	33.0/37.0	34.0/38.0	34/42	37/44	38/46
	Heating	Nom./High		dBA	34.0/36.0	35.0/37.0		36.0/38.0	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7GA53-9						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52										
	Heating	Ambient	Min.~Max.	°CWB	-20~24			-20~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16		20		32			16			

SkyAir Advance-series
BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

FHA100-140A9

RZASG100-140MV1_MY1

BRC1H519W7, BRP069A81

Efficiency data				**FHA + RZASG**	**71A9 + 71MV1**	**100A + 100MV1**	**125A + 125MV1**	**140A + 140MV1**	**100A + 100MY1**	**125A + 125MY1**	**140A + 140MY1**
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.95	5.83		5.88	5.83		5.88
	ηs,c			%	-		230	232	-	230	232
	Annual energy consumption			kWh/a	400	570	1,246	1,368	570	1,246	1,368
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.90	3.91	3.83	3.81	3.91	3.83	3.81
	ηs,h			%	-		150	149	-	150	149
	Annual energy consumption			kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866

Indoor unit				**FHA**	**71A9**	**100A**	**125A**	**140A**	**100A**	**125A**	**140A**
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32	38.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	55.0	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34.0/38.0	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dBA	36.0/38.0	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7GA53-9						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				**RZASG/RZASG**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

Wall mounted unit

For wide rooms with no false ceilings nor free floor space

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

FHA100-140A9

RXM-N9

BRC1H519W7, BRP069A81

Efficiency data					FHA + RXM	35A9 + 35N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.				kW	3.40		5.00	5.70
Heating capacity	Nom.				kW	4.00		6.00	7.20
Space cooling	Energy efficiency class					A++		A+	
	Capacity		Pdesign		kW	3.40		5.00	5.70
	SEER					6.24		5.92	6.08
	ηs,c				%	-			
	Annual energy consumption				kWh/a	191		295	328
Space heating (Average climate)	Energy efficiency class					A+		A	
	Capacity		Pdesign		kW	3.10		4.35	4.71
	SCOP/A					4.43		3.86	3.87
	ηs,h				%	-			
	Annual energy consumption				kWh/a	979		1,578	1,704

Indoor unit					FHA	35A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth			mm	235x960x690			235x1,270x690
Weight	Unit				kg	24		25	31
Air filter	Type					Resin net			
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	10.0/11.5/14.0		10.0/12.0/15.0	11.5/15.0/19.5
		Heating	Low/Medium/High		m^3/min	10.0/11.5/14.0		10.0/12.0/15.0	11.5/15.0/19.5
Sound power level	Cooling				dBA	53.0		54.0	
Sound pressure level	Cooling	Low/High			dBA	31.0/36.0		32.0/37.0	33.0/37.0
	Heating	Nom./High			dBA	34.0/36.0		35.0/37.0	
Control systems	Infrared remote control					BRC7GA53-9			
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			

Outdoor unit					RXM	35N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth			mm	550x765x285		734x870x373	
Weight	Unit				kg	32		50	
Sound power level	Cooling				dBA	61		62	63
	Heating				dBA	61		62	63
Sound pressure level	Cooling	Nom.			dBA	49		48	
	Heating	Nom.			dBA	49			
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-10~50			
	Heating	Ambient	Min.~Max.		°CWB	-20~24			
Refrigerant	Type					R-32			
	GWP					675			
	Charge				kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD			mm	6.35			
	Gas	OD			mm	9.52		12.7	
	Piping length	OU - IU	Max.		m	20		30	
		System	Chargeless		m	10		-	
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.		m	15		20	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)				A	-			

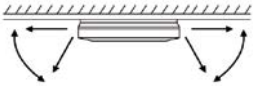
SkyAir Alpha-series
BLUEVOLUTION

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

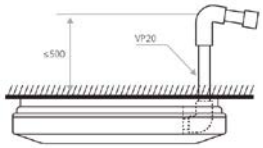
- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

- 5 different discharge angles between 0 and 60°can be programmed via the remote control



- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load

- Standard drain pump with 500mm lift increases flexibility and installation speed



Efficiency data					FUA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1
Cooling capacity	Nom.				kW	6.80	9.50	12.1	6.80	9.50	12.1
Heating capacity	Nom.				kW	7.50	10.8	13.5	7.50	10.8	13.5
Space cooling	Energy efficiency class					A++		-	A++		-
	Capacity		Pdesign		kW	6.80	9.50	12.1	6.80	9.50	12.1
	SEER					7.02	6.42	6.39	7.02	6.42	6.39
	ηs,c				%	-		253	-		253
	Annual energy consumption				kWh/a	339	518	1,136	339	518	1,136
Space heating (Average climate)	Energy efficiency class					A+		-	A+		-
	Capacity		Pdesign		kW	4.70	7.80	9.52	4.70	7.80	9.52
	SCOP/A					4.20	4.50	4.26	4.20	4.50	4.26
	ηs,h				%	-		167	-		167
	Annual energy consumption				kWh/a	1,567	2,427	3,129	1,567	2,427	3,129

Indoor unit					FUA	71A	100A	125A	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth			mm	198x950x950					
Weight	Unit				kg	25.0	26.0		25.0	26.0	
Air filter	Type					Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min		16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min		16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling				dBA	59	64	65	59	64	65
	Heating				dBA	59	64	-	59	64	-
Sound pressure level	Cooling	Low/High			dBA	35/41	39/46	40/47	35/41	39/46	40/47
	Heating	Low/High			dBA	35/41	39/46	40/47	35/41	39/46	40/47
Control systems	Infrared remote control					BRC7CB58					
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220~240					

Outdoor unit					RZAG	71NV1	100NV1	125NV1	71NY1	100NY1	125NY1
Dimensions	Unit	HeightxWidthxDepth			mm	870x1,100x460					
Weight	Unit				kg	81	85	95	81	85	94
Sound power level	Cooling				dBA	64	66	69	64	66	69
	Heating				dBA	-		68	-		68
Sound pressure level	Cooling	Nom.			dBA	46	47	49	46	47	49
	Heating	Nom.			dBA	48	50	52	48	50	52
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20~52					
	Heating	Ambient	Min.~Max.		°CWB	-20~18					
Refrigerant	Type/GWP					R-32/675					
	Charge				kg/TCO2Eq	3.20/2.16		3.70/2.50	3.20/2.16		3.70/2.50
Piping connections	Liquid/Gas	OD			mm	952/15.9					
	Piping length	OU - IU	Max.		m	55	85		55	85	
		System	Equivalent		m	75	100		75	100	
			Chargeless		m	40					
	Additional refrigerant charge				kg/m	See installation manual					
	Level difference	IU - OU	Max.		m	30					
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)				A	20	32		16		

SkyAir Advance-series
BLUEVOLUTION

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 500mm lift increases flexibility and installation speed

Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A++	A+	-	A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1
	SEER				6.16	5.83	5.49	5.83	5.49
	ηs,c			%	-		217	-	217
	Annual energy consumption			kWh/a	386	570	1,322	570	1,322
Space heating (Average climate)	Energy efficiency class				A	A+	-	A+	-
	Capacity		Pdesign	kW	4.50	6.00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84
	ηs,h			%	-		151	-	151
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	-	64	-
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
Control systems	Infrered remote control				BRC7CB58				
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70			
Sound power level	Cooling			dBA	65	70	71	70	71
	Heating			dBA	-		71	-	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference	IU - OU	Max.	m	30.0				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	16	

SkyAir Alpha-series
BLUEVOLUTION

Floor standing unit

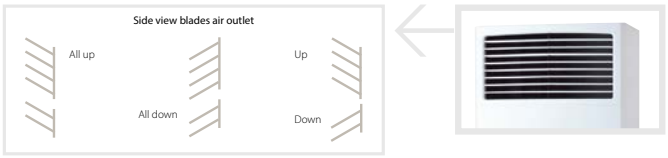
For commercial spaces with high ceilings

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)

BRC1H519W7, BRP069A81

RZAG-NV1_NY1

FVA-A



Efficiency data				FVA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A++	A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.34	6.00	6.41	6.12	6.34	6.00	6.41	6.12
	ηs,c			%	-		253	242	-		253	242
	Annual energy consumption			kWh/a	376	554	1,133	1,314	376	554	1,133	1,314
Space heating (Average climate)	Energy efficiency class				A+		-		A+		-	
	Capacity		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h			%	-		163	155	-		163	155
	Annual energy consumption			kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383

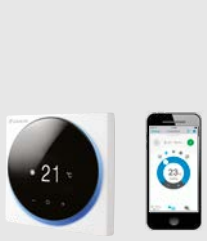
Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	42	50			42	50		
Air filter	Type				Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	38/43	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	41/43	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZAG/RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit			kg	81	85	95		81	85	94	
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
	Heating			dBA	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20~18							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	952/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

Floor standing unit

For commercial spaces with high ceilings

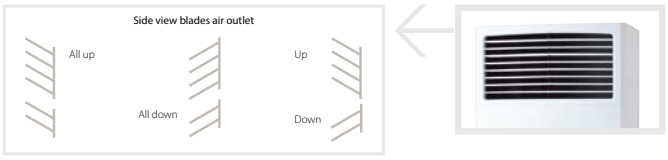
› Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
› Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
› Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
› Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)



BRC1H519W7, BRP069A81

RZASG100-140MV1_MY1

FVA-A



Efficiency data				FVA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.83	5.72	5.52	5.63	5.72	5.52	5.63
	ηs,c			%	-		218	222	-	218	222
	Annual energy consumption			kWh/a	408	581	1,314	1,428	581	1,314	1,428
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.04	3.83	3.64	3.81	3.83	3.64	3.81
	ηs,h			%	-		143	149	-	143	149
	Annual energy consumption			kWh/a	1,559	2,193	2,308	2,866	2,193	2,308	2,866

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	42	50					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

Concealed floor standing unit

Designed to be concealed in walls

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation

FNA-A9

RZAG25-60A

BRC1H519W7, BRP069A81

Efficiency data				**FNA + RZAG**	**35A9 + 35A**	**50A9 + 50A**	**60A9 + 60A**
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class					A+	
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER					5.90	5.70
	ηs,c			%		-	
	Annual energy consumption			kWh/a	208	297	368
Space heating (Average climate)	Energy efficiency class					A	
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A					3.90	
	ηs,h			%		-	
	Annual energy consumption			kWh/a	1,255	1,542	1,616

Indoor unit				**FNA**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(1)x790x200	620 / 720(1)x1,190x200	
Weight	Unit			kg	23.0	30.0	
Air filter	Type					Resin net	
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7	13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7	13.5/16.0	
	External static pressure	Nom./High		Pa	30/48	40/49	
Sound power level	Cooling			dBA	53.0	56.0	
Sound pressure level	Cooling	Low/High		dBA	28.0/33.0	30.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0	30.0/33.0/36.0	
Control systems	Infrared remote control					BRC4C65	
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220	

Outdoor unit				**RZAG**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm		734x870x373	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20~52	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type/GWP					R-32/675.0	
	Charge			kg/TCO2Eq		1.55/1.05	
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m		50	
		System	Equivalent	m		-20~52	
			Chargeless	m		-20~24	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 30m)	
	Level difference	IU - OU	Max.	m		30.0	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

(1) Including installation legs

Concealed floor standing unit

Designed to be concealed in walls

› Combination with split outdoor units is ideal for small retail, offices and residential applications
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm
› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation

FNA-A9

RXM-N9

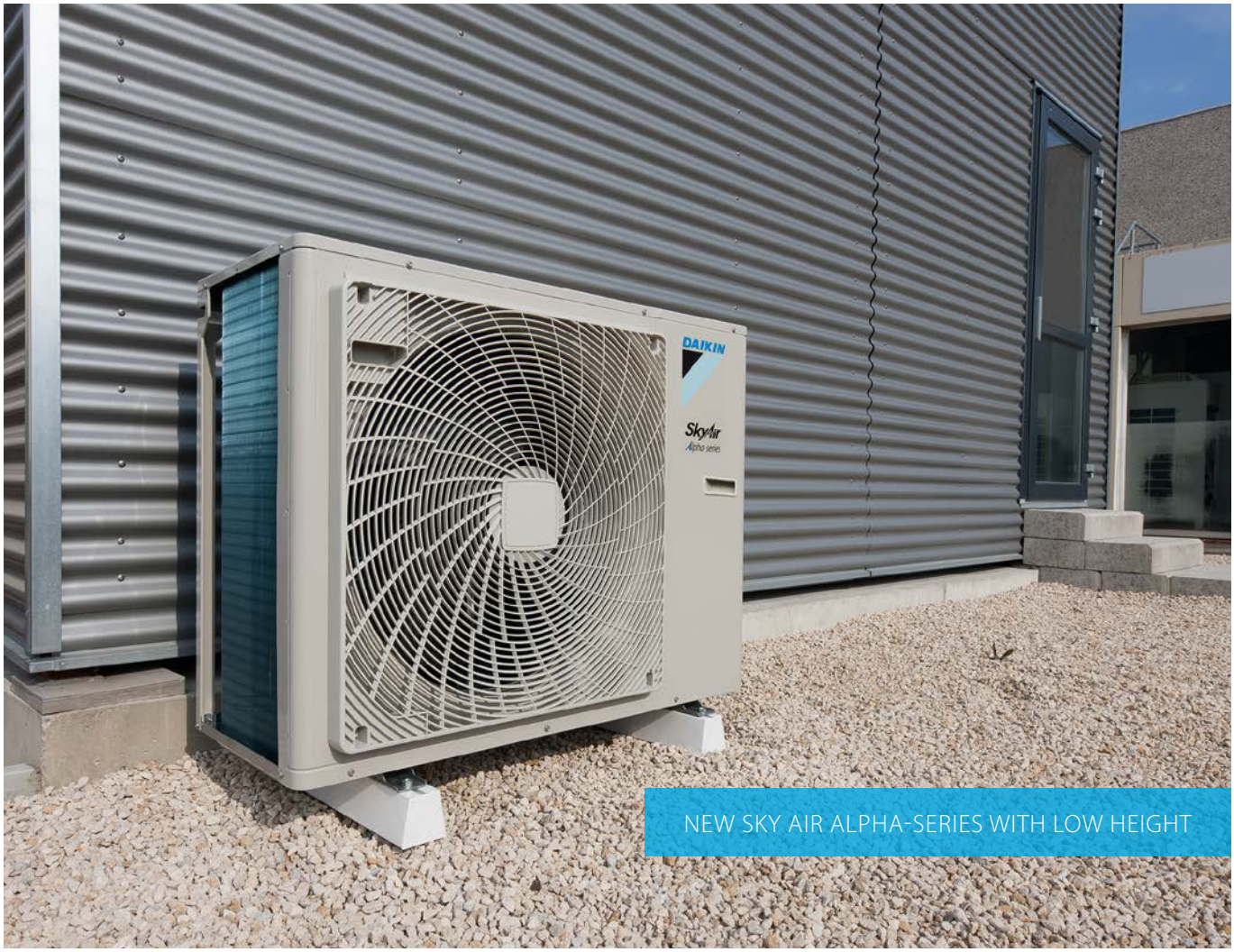
BRC1H519W7, BRP069A81

Efficiency data				**FNA + RXM**	**25A9 + 25N9**	**35A9 + 35N9**	**50A9 + 50N9**	**60A9 + 60N9**
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class					A+		A
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.68	5.70	5.77	5.56
	ηs,c			%		-		
	Annual energy consumption			kWh/a	160	209	303	378
Space heating (Average climate)	Energy efficiency class					A+		
	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	ηs,h			%		-		
	Annual energy consumption			kWh/a	924	1,002	1,369	1,547

Indoor unit				**FNA**	**25A9**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(1)x790x200		620 / 720(1)x1,190x200	
Weight	Unit			kg	23.0		30.0	
Air filter	Type				Resin net			
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7		13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7		13.5/16.0	
	External static pressure	Nom./High		Pa	30/48		40/49	
Sound power level	Cooling			dBA	53.0		56.0	
Sound pressure level	Cooling	Low/High		dBA	28.0/33.0		30.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0		30.0/33.0/36.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			

Outdoor unit				**RXM**	**25N9**	**35N9**	**50N9**	**60N9**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) Including installation legs



NEW SKY AIR ALPHA-SERIES WITH LOW HEIGHT

NEW SKY AIR ALPHA-SERIES RANGE EXTENSION
(35, 50, 60)

Outdoor units

THE ENERGY AWARDS 17
Headline Sponsor
Resource Data Management
REWARDING EXCELLENCE IN THE ENERGY BUSINESS
WINNER

NATIONAL ACR HEAT PUMP AWARDS
2018 winner

WINNER
rac COOLING INDUSTRY AWARDS 17
CLIMATE CENTER

A range of industry leading technology outdoor units

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Multi model and VRV range

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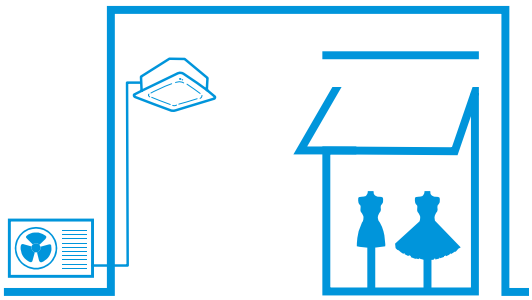
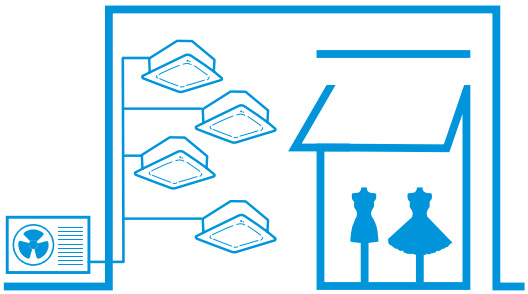
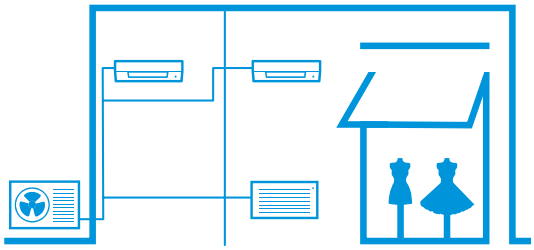
Pair solution



Twin, triple, double twin solution



Multi solution



Products overview outdoor units

BLUEVOLUTION

R-32

Sky Air A-series

Pair, twin, triple & double twin application

System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW		
Air cooled	Heat pump	NEW **Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1				NEW	NEW	NEW	NEW		
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D								NEW	NEW
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to= 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1/MY1									

Benefits overview outdoor units

			Alpha-series		Advance-series		Active-series
			RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	-	A (A+++ - D)
	Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	●	●	●	●	●
	Replacement technology	Quick and quality system replacement in the most cost effective way	●	●	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.		●			
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.		●	●	●	
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●	●		●	
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●	●		●	

Technical benefit overview SkyAir A-series

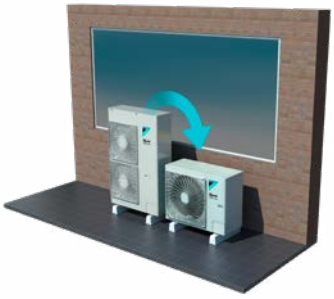
	Alpha-series		Advance-series		Active-series
	RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Compact single fan casing on the entire range	●	●	●	●	●
Maximum piping length	50m	85m	50 m	100 m	30 m
Pivoting front plate		●	●	●	●
7 segment display		●	●	●	●
Increased factory charge	●	●			
Integrated leak check		●			
Refrigerant bottom plate pass		●			
Specially deveoloped R-32 swing compressor	●	●	●	●	●
Refrigerant cooled PCB		●	●	●	●
Intelligent Tablet controller - Online controller app	●	●	●	●	●

NEW SkyAir Advance-series

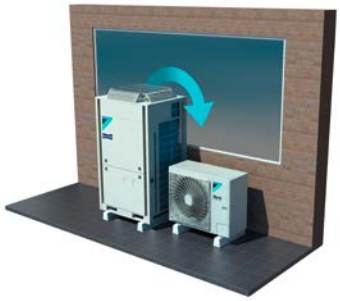
NEW SkyAir Alpha-series

Low height.
High value.

Unique, low-height single fan range

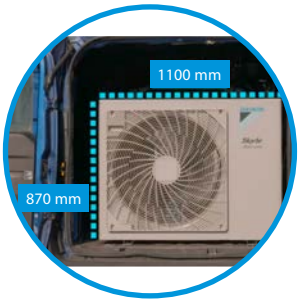


SkyAir Alpha-series
RZAG71-100-125-140NV1/NY1



SkyAir Advance-series
RZA200-250D

Compact unit, easy to transport



Market-leading serviceability and handling

Fast and easy access to all critical component

- Single screw access
- Wider access area

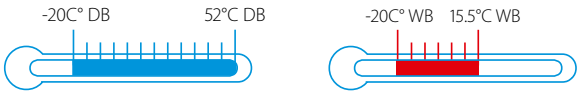
Newly positioned handle for easier carrying

Very long piping length

› Up to 85m for RZAG-NV1/NY1
› Up to 100m for RZA-D

Wide operation range down to -20°C

› Cooling operation from -20°C up to +52°C (+46°C for RZA-D)
› Heating operation down to -20°C



Faster installation with up to 40m pre-charged pipe

› Up to 60% of applications can be installed without additional refrigerant charge
› 40m pre-charge for RZAG-NV1/NY1
› 30m pre-charge for RZA-D

3-row heat exchanger

› Unique 3-row heat exchanger to allow compact casing up to 14kW

Bottom plate and heat exchanger refrigerant pass

› Drain holes are kept ice free
› Guaranteed operation down to -20°C

Swing compressor optimised for seasonal efficiency

New and bigger fan design

› Ensures high air volume with low air velocity
› Reduces sound emissions

New 7-segment display to view errors and systems settings

Refrigerant coold PCB

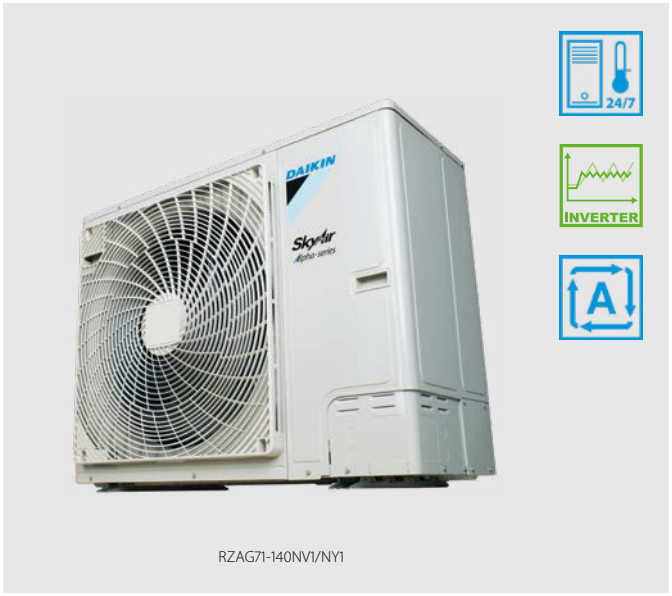
R-32

Sky Air Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology in the most compact casing ever

- NEW Unique, low-height single fan range
- NEW Compact dimensions allow almost unnoticeable installation
- NEW Market-leading serviceability and handling
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m (50m for RZAG-A)
- Outdoor units for pair, twin, triple, double twin application



RZAG71-140NV1/NY1

Comfort cooling combination table

		FCAHG-H				FCAG-B						FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)							FAA-A		FTXM-N			FUA-A				FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
RZAG35A						P							P				P			P							P									P							P						
RZAG50A							P							P				P			P							P									P							P						
RZAG60A								P							P				P			P							P									P							P				
NEW RZAG71NV1	RZAG71NY1	P				2			P				2				2			2			P				2			P				P					P			2			P			
NEW RZAG100NV1	RZAG100NY1		P			3	2			P			3	2			3	2		2				P			3	2			P			P				P			3	2			P		
NEW RZAG125NV1	RZAG125NY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P					P	4	3	2			P			
NEW RZAG140NV1	RZAG140NY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2			2			4	3		2			P

P = pair application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table

		FTXM-N				FAA-A		FHA-A(9)						FBA-A(9)							FDXM-F9			FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B						
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P							P					P								P							P						
RZAG50A				P						P							P								P					P							P							P				
RZAG60A					P						P							P													P							P							P			
NEW RZAG71NV1	RZAG71NY1						P	3	2			P			3	2			P			3	2			P				P				3	2			P			3	2			P		
NEW RZAG100NV1	RZAG100NY1					2		4	3		2			P	4	3			2			P	4	3		2			2			P		4	3		2			P	4	3		2			P
NEW RZAG125NV1	RZAG125NY1					2		4	3		2			P	4	3			2			P	4	3		2			2			P		4	3		2			P	4	3		2			P
NEW RZAG140NV1	RZAG140NY1					2		4	3		2			P	4	3			2			P	4	3		2			2			P		4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found on **my.daikin.eu**

RZAG-A RZAG-NV1 RZAG-NY1

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81.4	84.5	95.5	95.5	81.4	84.5	95.5	95.5
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	64	66	69	70
	Heating			dBA	62	63	64								
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	49	50	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R32 / 675			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16	3.20/2.16	3.70/2.50	3.70/2.50	3.20/2.16	3.20/2.16	3.70/2.50	3.70/2.50
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	50			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	See installation manual										
	Level difference IU - OU		Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Technology and comfort combined for commercial applications

- High efficiency:
  - Energy labels up to A++ (cooling) / A+ (heating)
  - compressor offers substantial efficiency improvements
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -15°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 50m, minimum piping length has no limitation
- Outdoor units for pair, twin, triple, double twin application

RZASG100-140MV1_MY1

Pair, twin, triple and double twin application

		FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			P				2			2			2			P			
RZASG100MV1	RZASG100MY1	3	2			P			3	2		3	2		3	2			P		
RZASG125MV1	RZASG125MY1	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV1	RZASG140MY1	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A	FHA-A(9)							FUA-A			FAA-A		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			P				P			P		P				2		
RZASG100MV1	RZASG100MY1		3	2			P				P			P		P			3	2	
RZASG125MV1	RZASG125MY1	P	4	3	2			P				P					P		4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			P	2			2		2			P	4	3	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

More details and final information can be found on **my.daikin.eu**

RZASG-MV1

RZASG-MY1

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	952/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Large Sky Air system for commercial applications in the most compact casing ever

- Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- Marketing-leading serviceability and handling thanks to wide access area, 7-segment display and additional handle
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in heating mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature
- Maximum piping length up to 100m
- Maximum installation height difference up to 30m
- Outdoor units for pair, twin, triple, double twin application

RZA200-250D

Comfort cooling combination table

	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDA-A (NEW)			FUA-A			FAA-A		FNA-A9	
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	125	200	250	71	100	125	71	100	50	60
RZA200A	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			P		3	2		3	2	4	3
RZA250A		4			2		4		4		4			4		2			2	2		P			2				4

RZA-D

Outdoor unit					RZA200D	RZA250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	120	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO_2Eq	5.0/3.38	
Piping connections	Liquid/Gas	OD		mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
			Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
	Level difference	IU - OU	Max.	m	30	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

R-32

SkyAir Active-series BLUEVOLUTION

Sky Air Active-series

Ideal solution for busy environments and small shops

- High efficiency:
  - Energy labels up to A+ (cooling) / A (heating)
  - compressor offers substantial efficiency improvements
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping

- Guarantees operation in heating mode down to -15°C and in cooling mode down to -5°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Piping length up to 30m
- Exclusively offered for pair applications

AZAS100-140MV1_MY1

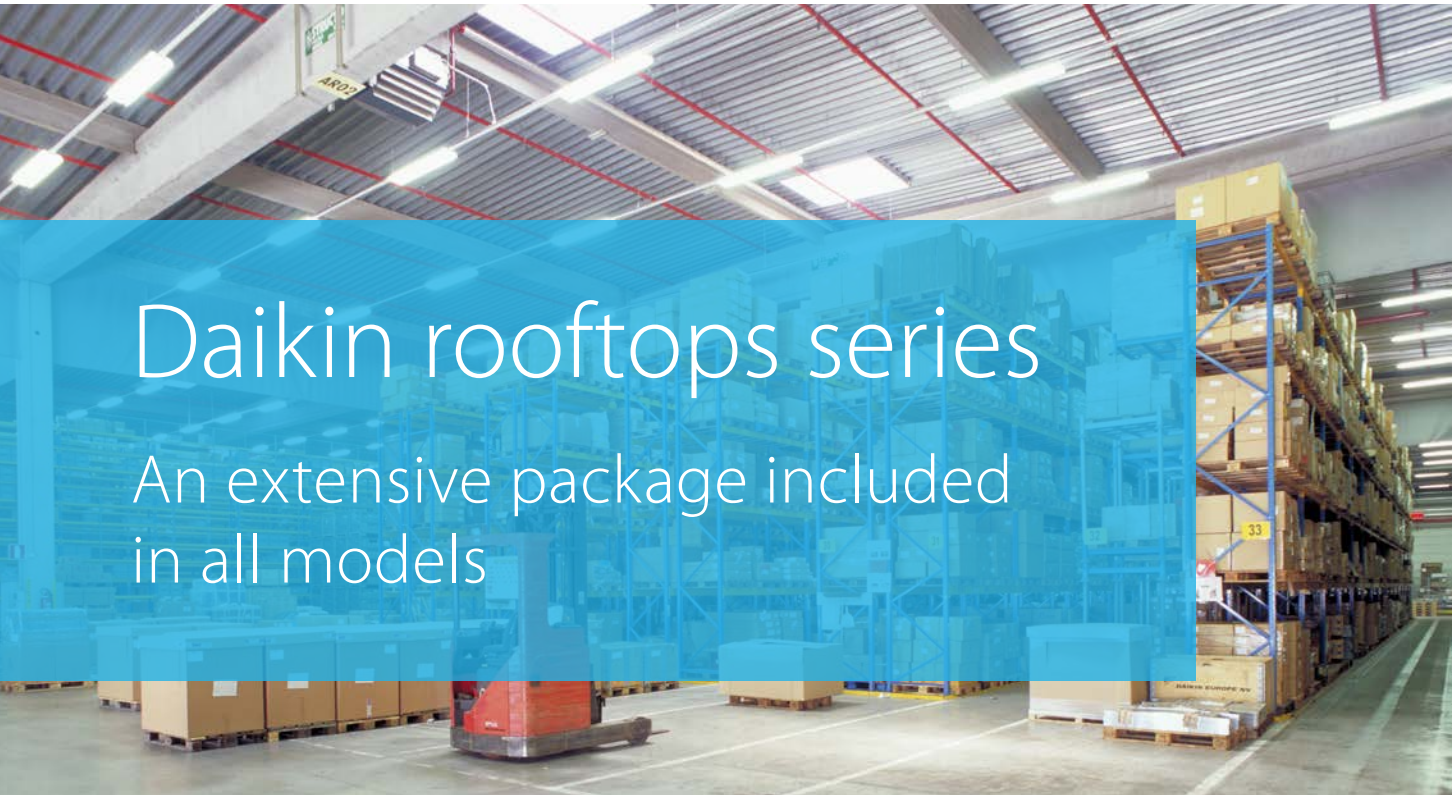
Pair application

	FCAG-B				FBA-A(9)				FAA-A				ADEA-A		
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-N9	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

ARXM-N9 AZAS-MV1 AZAS-MY1

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.90						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		



Daikin rooftops series

An extensive package included in all models

TÜV NORD

ErP compliant 2018

3 years warranty

1 Standard integrated high efficiency EC plug fans

› Static pressure up to 300Pa
› Inverter controlled
› Maintenance free

2 Standard flexible air delivery

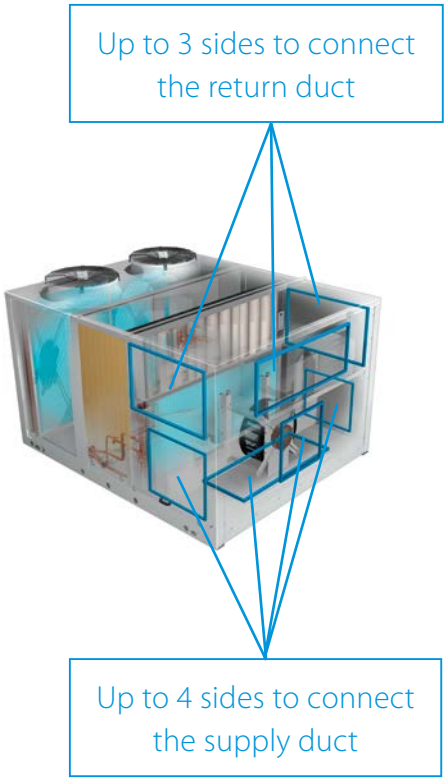
› Up to 4 possible sides can be selected on site (front, left, right, bottom)

3 Latest pCO^5 controller

› Direct integration into Daikin intelligent Touch Manager BMS (via optional BACnet protocol)
› Easy integration in 3rd party BMS systems
  › Standard Modbus protocol
  › Optional BACnet protocol

4 Standard clogged filter alarm

› Indicates when a filter requires cleaning
› Improved indoor air quality and efficiency



5 Hydrophilic coated aluminium fins on indoor and outdoor side

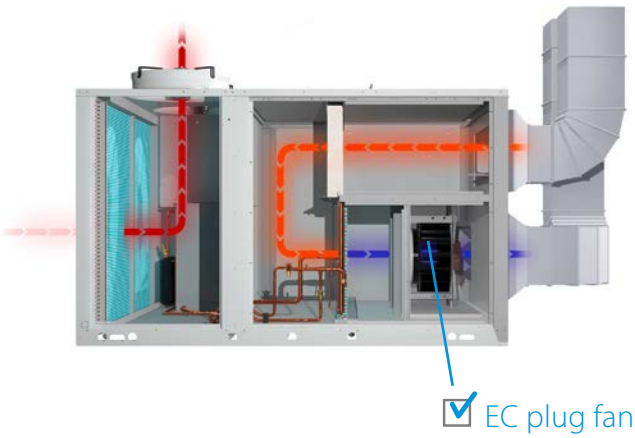
UATYQ-ABAY1

High installation flexibility and easy servicing

› Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected

› High efficiency and reliable scroll compressor

› Factory pre-charged refrigerant ensures clean and efficient operation



Cooling operation example

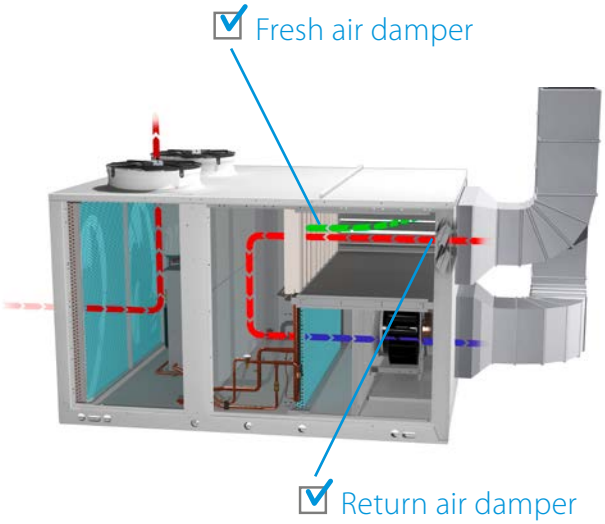
UATYQ-AFC2Y1

2 damper version, with integrated fresh air

› Free cooling with 100% fresh air possible
  › Improved air quality
  › Energy saving using fresh outdoor air to cool the building

› Standard CO_2 sensor connection
  › Ideal balance between efficiency and indoor air quality

› Includes all Base model features



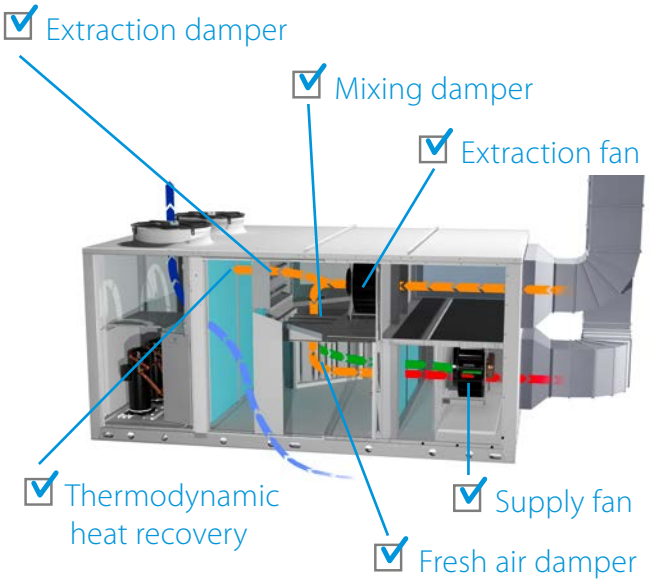
Cooling operation example

UATYQ-AFC3Y1

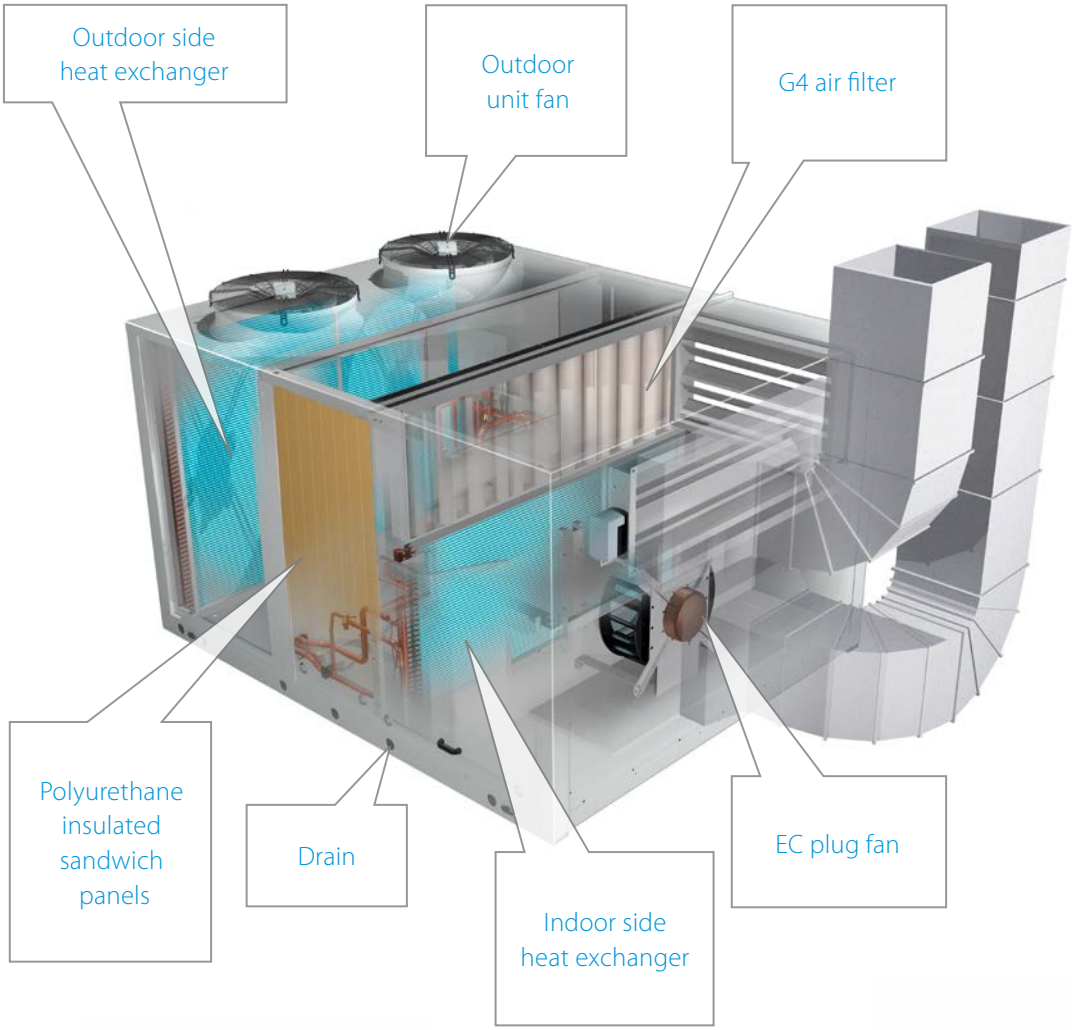
3 damper version, with integrated fresh air and extraction

› Extraction damper integrated
  › Eliminates excessive overpressure in the building
  › UATYQ45-115AFC3Y1 models include high efficient extraction fan for optimum air circulation in larger buildings

› Thermo dynamic heat recovery
  › Saves energy by recovering waste heat through the outdoor heat exchanger
  › Available on UATYQ20-55AFC3Y1



Heating operation example



UATYQ20ABAY1
UATYQ20AFC2Y1
UATYQ20AFC3Y1

UATYQ25-30ABAY1
UATYQ25-30AFC2Y1
UATYQ25-30AFC3Y1

UATYQ45-55ABAY1
UATYQ45-55AFC2Y1
UATYQ45-55AFC3Y1

UATYQ65-75ABAY1
UATYQ65-75AFC2Y1
UATYQ65-75AFC3Y1

UATYQ90-115ABAY1
UATYQ90-115AFC2Y1
UATYQ90-115AFC3Y1

Products overview rooftops

Capacity class (kW)

System	Type	Model	Product name	Refrigerant	20	25	30	45	50	55	65	75	90	100	115
For EU region	Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYQ-ABAY1	R-410A	•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 2 damper version with integrated fresh air - 'Plug and play' for easy installation - Free cooling with up to 100% fresh air intake - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS	UATYQ-AFC2Y1		•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 3 damper version with integrated fresh air and extraction - 'Plug and play' for easy installation - Integrated extraction damper eliminates over-pressure - Thermo dynamic heat recovery, recovering waste heat - Free cooling with up to 100% fresh air intake - Field convertible return and supply air	UATYQ-AFC3Y1		•	•	•	•	•	•	•	•	•	•	•

Specifications

UATYQ-ABAY1

					UATYQ-ABAY1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER						2.94	2.79	2.54	2.60	2.50	2.29	2.69	2.49	2.67	2.60	2.41
COP						3.07	3.38	3.26	3.15	3.19	3.11	3.20	3.05	3.12	3.15	3.06
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear			Rear, Right, Left			Rear				
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x3,760x2,252		2,180x4,059x2,252		
Weight	Unit			kg		672	780		1,068	1,221	1,247	1,553	1,581	1,738	1,742	1,794
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	50	63		80	100		125	

UATYQ-AFC2Y1

					UATYQ-AFC2Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106,8
	with 30% fresh air			kW		20.9	30.0	32.5	47.8	52.3	55.1	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air			kW		18.3	27.5	31.8	48.8	52.6	57.2	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.7	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17,0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.14	2.95	2.67	2.82	2.60	2.41	2.85	2.61	2.82	2.73	2.53
COP	with 30% fresh air					3.37	3.75	3.56	3.44	3.48	3.40	3.64	3.31	3.38	3.43	3.35
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear						Right-Rear				
	Fresh air	Standard				yes										
		Ratio	Standard	%		30										
			In free cooling	%		100										
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x4,675x2,252		2,180x4,875x2,252		
Weight	Unit			kg		679	788		1,098	1,251	1,277	1,698	1,726	1,906	1,914	1,966
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12,1 ~ 19,5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	50	63		80	100		125	

UATYQ-AFC3Y1

					UATYQ-AFC3Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	with 30% fresh air			kW		21.1	30.4	33.2	47.8	53.4	56.3	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air			kW		18.9	28.7	33.2	48.8	54.9	59.7	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.25	3.08	2.82	2,82	2.70	2.53	2.82	2.58	2.79	2.70	2.51
COP	with 30% fresh air					3.46	3.84	3.66	3.44	3.51	3.42	3.58	3.26	3.33	3.38	3.30
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23.650	25.300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Fan	Air flow rate	m^3/min		N/A			11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		N/A			300							
		Air intake direction				Rear			Rear, Right, Left			Rear, Right, Left, Bottom				
		Therm. heat recovery				yes						no				
	Fresh air	Standard				yes										
		Ratio	Standard	%		30										
			In free cooling	%		100										
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x3,518x2,272			1,799x5,660x2,252		2,180x5,660x2,252		
Weight	Unit			kg		686	796		1,382	1,535	1,561	2,142	2,166	2,338	2,346	2,398
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	63	80		100		125		

Rooftop

- Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- High efficiency and reliable scroll compressor
- Wide operating range
- Flat top unit design allows maximum use of warehouse and container space
- Free cooling and fresh air intake possible with optional economiser
- Convertible return and supply air: fan can be mounted in two directions
- Factory pre-charged refrigerant ensures clean and efficient operation
- Belt driven fan enables air volume and static pressure to be adjusted as required.
- Adjustable fan pulley as standard to meet a wide range of supply air volumes and external static pressures
- Anti-corrosion treated coil

UATYQ-CY1

Remote control

Indoor unit					UATYQ	250CY1	350CY1	450CY1	550CY1	600CY1	700CY1	900CY1
Cooling capacity	Nom.				kW	27.340	35.580	44.720	55.690	66.820	72.600	90.0
Heating capacity	Nom.				kW	24.910	34.790	41.790	53.930	61.690	69.610	87.9
Power input	Cooling	Nom.			kW	8.140	10.780	13.040	16.740	19.650	21.610	28.5
	Heating	Nom.			kW	7.330	10.840	12.860	15.540	18.580	21.420	27.9
EER						3.36	3.30	3.43	3.33	3.40	3.36	3.16
COP						3.40	3.21	3.25	3.47	3.32	3.25	3.15
Evaporator	Air flow rate	Cooling			m^3/min	93.6	121.8	160.2	189.6	206.7	235.02	271.86
	External static pressure				Pa		147			206		206
Evaporator piping connections	Condensation drain size	OD			mm				25.4			
Condenser	Dimensions	Unit	Height		mm	1,150	1,028	1,130	1,048	1,302	1,454	1,454
			Width		mm	1,638			2,209			
			Depth		mm	2,063	2,113			2,670		
	Weight	Unit			kg	445	580	610	830	880	1,020	1,020
	Casing	Colour							Light grey			
	Air flow rate	Cooling			cfm	8,230	12,000	12,100	12,900	20,200	21,200	
	Operation range	Cooling	Min.~Max.		°CDB				0~52			
		Heating	Min.~Max.		°CWB				-15~18			
	Sound pressure level	Nom.			dBA	68	64	65	68	70		70
	Sound power level	Nom.			dBA	82	83		87	90		90
	Refrigerant	Type							R-410A			
		GWP							2,087.5			
		Charge			TCO_2eq	12.7	12.1	15	18.2	21.7	24.2	
					kg	6.1	5.8	7.2	8.7	10.4	11.6	
Power supply	Phase/Frequency/Voltage				Hz/V				3~/50/380-415			

(1) All units are being tested and comply to ISO5151. (2) Sound pressure levels are measured according to JIS B 8616 standard (3) All performance calculations are strictly according to Eurovent standard

Economiser option

Indoor unit					ECONO	250AY1	350AY1	450AY1	550AY1	600AY1	700AY1	900AY1
Dimensions	Packed unit	Height			mm				534			
		Width			mm	1,440	1,430			1,458		1,460
		Depth			mm	1,144	1,124			1,564		1,682
Weight	Unit				kg	51	42	43	53	54	69	78
Packing	Weight				kg	152	140	141	165	166	181	190
Fan	Air flow rate	Cooling	Nom.		l/s	1,560	2,030	2,670	3,160	3,445	3,917	4,533
					cfm	3,300	4,300	5,650	6,700	7,300	8,300	9,604.5
Power supply	Voltage				V				24 DC			
Option for						UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1	UATYQ900CY1
Test Standard									ISO 13253			

Only for sales ouside Europe.

Rooftop

- Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- Factory pre-charged refrigerant ensures clean and efficient operation
- Belt driven fan enables air volume and static pressure to be adjusted as required.
- Flat top unit design allows maximum use of warehouse and container space
- High efficiency and reliable scroll compressor
- Anti-corrosion treated coil

UATYP-AY1(B)

Remote control

Indoor unit					UATYP	10AY1	12AY1
Cooling capacity	Nom.				kW	101.110	109.609
Heating capacity	Nom.				kW	102.290	126.314
Power input	Cooling	Nom.			kW	43.170	48.200
	Heating	Nom.			kW	41.670	46.800
EER						2.34	2.27
COP						2.45	2.70
Evaporator	Air flow rate	Cooling			m^3/min	312	354
	External static pressure				Pa		
Evaporator piping connections	Condensation drain size	OD			mm		
Condenser	Dimensions	Unit	Height		mm	1,974	
			Width		mm	2,252	
			Depth		mm	3,180	
	Weight	Unit			kg	1,510	1,600
	Casing	Colour					
		Material				Electro-galvanised mild steel	
	Air flow rate	Cooling			cfm	20,000	
	Operation range	Cooling	Min.~Max.		°CDB		
		Heating	Min.~Max.		°CWB		
	Sound power level	Nom.			dBA		
	Refrigerant	Type					
		GWP					
		Charge			TCO_2eq	23.9	35.5
					kg	13.5 / 20.0	20.0
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/380-415	

(1) All units are being tested and comply to ISO5151. (2) Sound pressure levels are according to JIS B 8615 standard. Position of the measurement is 1m in front and 1m below the unit. (3) Designation based on cooling cycle.

Only for sales ouside Europe.

Options - Sky Air

		INDOOR UNITS	FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
Panels		Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)		
		Panel spacer for reducing required installation height		KDBQ44B60 (only for standard panel)		
		Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140	BDBHQ44C60		
		Sensor kit	BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
Individual control systems		Online Controller	BRP069B82 (14)	BRP069A81	BRP069A81	BRP069A81
		Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) BRC7FA532FB (black) (11) BRC7FB532F (designer white) (11) BRC7FB532FB (designer black) (11)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
		Madoka **BRC1H519W7** (9) (White) / **BRC1H519S7** (9) (Silver) / **BRC1K519K7** (9) (Black) User-friendly wired remote controller with premium design	●	●	●	●
		BRC1E53A/B/C (3) (13) - Wired remote controller with full-text interface and back-light	●	●	●	●
Centralised control systems		DIII-net connection - for connection to centralized control	standard	standard	standard	standard
		DCC601A51 - intelligent Tablet Controller	●	●	●	●
		DCS601C51 (13) - intelligent Touch Controller	●	●	●	●
		DCS302C51 (13) - Central remote controller	●	●	●	●
		DCS301B51 (13) - Unified ON/OFF controller	●	●	●	●
		DST301B51 (13) - Schedule timer	●	●	●	●
Building Management System & Standard protocol interfaces	for individual control	**RTD-NET** - Modbus interface for monitoring and control	●	●	●	●
		RTD-10 - Modbus interface for infrastructure cooling	●	●	●	●
		RTD-20 - Modbus interface for retail	●	●	●	●
		RTD-HO - Modbus interface for hotel	●	●	●	●
		KLIC-DI - KNX Interface	●	●	●	●
	for central control	**DCM601A51** - intelligent Touch Manager	●	●	●	●
		EKMBDXA - Modbus interface	●	●	●	●
		DCM010A51 - Daikin PMS interface	●	●	●	●
		DMS502A51 - BACnet Interface	●	●	●	●
		DMS504B51 - LonWorks Interface	●	●	●	●
Filters		Replacement long-life filter, non-woven type	KAFP551K160	KAF441C60		
		Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	
		Filter chamber				
Wiring and sensors		Extension wire auto cleaning panel (required when auto cleaning panel AND online controller are both installed)				
		KRCS - External wired temperature sensor	KRCS01-7B	KRCS01-4	KRCS01-4	KRCS01-4
		K.RSS - External wireless temperature sensor	SB.K.RSS_RFC (EKEWTSC-1 + K.RSS)	●		●
Wiring and sensors Adapters		Wiring adapter with 2 output signals (compressor/ Error, Fan output)	KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)	
		Adapter (interlock for fresh air intake fan)				KRP1B54
		Adapter with 4 output signals (compressor / Error, Fan, Aux, heater, Humidifier output)	EKRP1C12 (10)(11)	EKRP1B2		EKRP1B2 (7)
		Adapter for centralised external monitoring/control (controls 1 entire DIII-NET system)			KRP2A53 (10)	KRP2A51 (7)(10)
		Adapter for external monitoring/control via dry contacts and setpoint control via 0-140 Ω	KRP4A53 (10)(11)	KRP4A53 (10)	KRP4A54-9	KRP4A52 (10)
		Adapter for keycard and/or window contact connection (in combination with BRC1H*, BRC1/2/3E* only)	BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)
		Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)	KRP1H98A (11)	KRP1BB101	KRP1BB101	KRP1B101/KRP1BB101
		Wiring kit for Remote ON/OFF or Forced OFF	standard	standard	standard	standard
Others		Drain pump kit				
		Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			2 dampers (25 - 35) 3 dampers (25 - 35) 4 dampers (50) 5 dampers (60)	2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)
		L-type piping kit (upward direction)				
		Fresh air intake kit (direct installation type)	KDDP55C160-1 (chamber) KDDP55D160-2 (diffuser) (11)	KDDQ44XA60		
		Air discharge adapter for round duct				KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)

(1) Dirt formation is more easily visible on white insulation. It is recommended not to install this option in environments with a high concentration of dirt.

(2) To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H*, BRC1E* is needed. These options cannot be combined with RXYSQ*, multi or non-inverter split units

(3) Included languages are:
A: English, German, French, Dutch, Spanish, Italian and Portuguese
B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian
C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish

(4) The option is intended exclusively for use in fine dust enviornments (e.g. Clothing shops). Do not use it in environments that are greasy or have high humidity. F = finer mesh

FDA125A	FDA200-250A	ADEA-A	FAA-A	FTXM-N	FHA-A(9)	FUA-A	FVA-A	FNA-A9
BYBS125D + EKBYBSD								
						KDBHP49B140 + KDBTP49B140		
BRP069A81	BRP069B82	BRP069A81	BRP069A81	BRP069A41	BRP069A81	BRP069A81	BRP069A81	BRP069A81
BRC4C65	BRC4C65	BRC4C65	BRC7EB518		BRC7GA53-9	BRC7CB58		BRC4C65
●	●	●	●		●	●	●	●
●	●	●	●	● (BRC073A1) BRCW901A03/A08 extention cords available)	●	●	●	●
standard	standard	standard	standard	KRP928BB2S	standard	standard	standard	standard
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
	BAFL502A250				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	BDD500B250							
KRCS01-4	KRCS01-8B	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
●	SB.K.RSS_FDA (EKEWTSC-2 + K.RSS)	●	●		●	●		●
	KRP4A51			KRP413AB1S			KRP1B57 (10)	
KRP1C64 (7)	KRP1C65	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)						KRP1B56
KRP2A51 (8)	KRP2A51	KRP2A51 (7)(10)						
		KRP4A52 (10)	KRP4A51 (10)		KRP4A52 (10)	KRP4A53 (10)	KRP4A52 (10)	KRP4A54-9
BRP7A54 (12)	BRP7A54	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52	BRP7A51
KRP4A96		KRP1B101/KRP1BB101	KRP4A93		KRP1D93A [box] KKSAP50A56 (35-50) [mounting plate]	KRP1BA97	KRP4AA95	KRP1BB101
EKRORO3		standard	standard		EKRORO4	EKRORO5	standard	standard
	BDU510B250VM		K-KDU572EVE		KDU50R63 (35 - 60) KDU50R160 (71 - 140)			
		2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)						
					KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
					KDDQ50A140			
KDAJ25K140A		KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A [100-140)						

(5) Sensing function is not available
(6) Individual flap control function not available
(7) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.
(8) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
(9) This option cannot be used with RR and RQ models
(10) Requires installation box for adapter PCB, refer to table for model code
(11) This option cannot be combined with BYCQ140EG(F)/EGFB
(12) Maximum 2 optional PCBs can be mounted
(13) Applicable boxes (KJB*) to mount controllers can be found in the controls option list
(14) Extention wire (EWHAR1) is needed if both auto cleaning panel AND online controller are connected

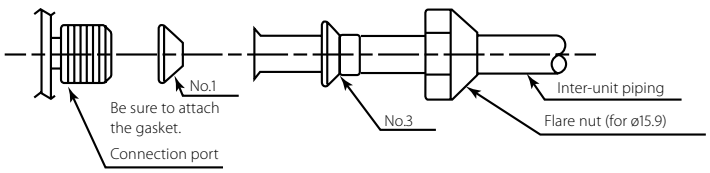
		R-32				
		RZAG-A	**RZAG-NV1/NY1**	**RZASG-MV1/MY1**	**RZA-D**	**AZAS-MV1/MY1**
Refrigerant branch piping	for twin		KHRQ(M)58T	KHRQ(M)58T	KHRQ(M)22M20TA	
	for triple		KHRQ(M)58H (100 - 140)	KHRQ(M)58H (100 - 140)	KHRQ(M)250H7	
	for double twin		KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)22M20TA (x3)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Demand adapter kit			SB.KRP58M52 (1)	SB.KRP58M52 (1)	SB.KRP58M3 (2)	
Bottom plate heater			EKBPH140N		EKBPH250D	

(1) Contains KRP58M1 and obligatory mounting kit EKMKSA2
(2) Contains KRP58M3 and obligatory mounting kit EKMKSA3

Option for asymmetric combination (Asymmetric combinations piping reducer)

ASYCPIR		**Liquid**	**GAS**	
		ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
RZAG35A	FDXM50F9		●	
	FFA50A9		●	
	FBA50A9		●	
	FCAG50B		●	
	FNA50A9		●	
	FTXM50N		●	
	FHA50A9		●	
RZAG60A	FBA71A9	●		
	FCAG71B	●		●
	FTXM71N			●
	FHA71A9	●		●

Example of using:
1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:

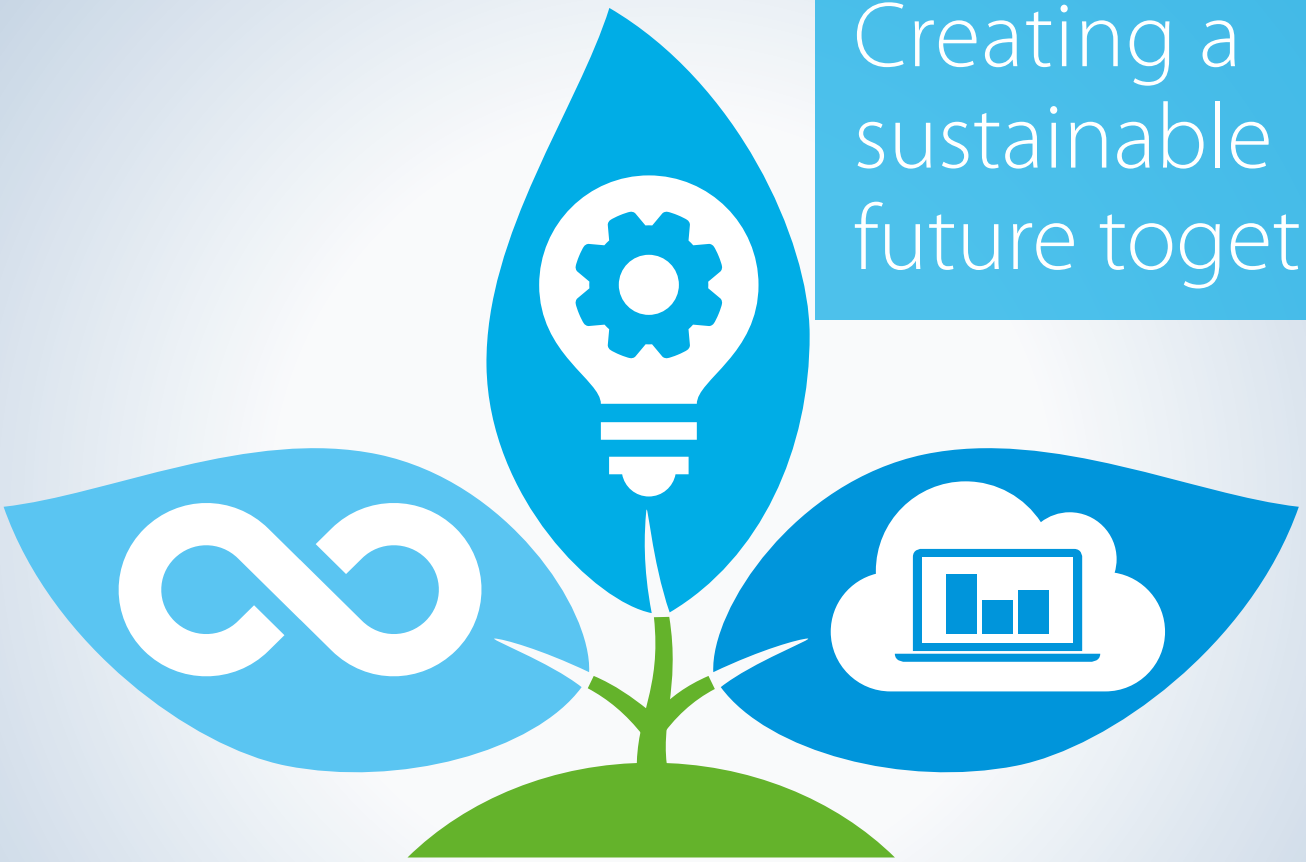


Options - Rooftop

		Base series - UATYQ-ABAY1			2 damper series - UATYQ-AFC2Y1					3 damper series - UATYQ-AFC3Y1				
		20-55	65-75	90-115	20	25-30	45-55	65-75	90-115	20	25-30	45-55	65-75	90-115
UATYQWRC Remote controller (standard 1 delivered with the unit)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQBACNET BMS interface: BACnet (IP); Modbus (TCP/IP)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQAVM1 Anti-vibration mounts		• 2x	• 3x	• 4x	• 2x	• 2x	• 2x	• 4x	• 4x	• 2x	• 2x	• 3x	• 4x	• 4x
Rainproof hood & protection grill					UATYQRAPH1	UATYQRAPH2	UATYQRAPH3	UATYQRAPH4	UATYQRAPH5	UATYQRAPH1	UATYQRAPH2		UATYQRAPH4 x2 (1)	UATYQRAPH5 x2 (1)

	ROOFTOPS	
Description	**UATYQ-C**	**UATYP-AY1(B)**
Rooftop controller	•	-
PCB	•	-
EXV	•	-
Gold Fin (NA549)	•	-
Scroll compressor	•	-
Saranet Air Filter	•	-
Side flow	•	-
Convertible	•	-
Filter drier	•	-
High pressure switch	•	-
Low pressure switch	•	-
ECONO-AY1 Economiser	•	-

Creating a sustainable future together



Determined to reduce our environmental footprint, we aim to be CO_2-neutral by 2050.
A circular economy, innovation and smart use – these are the stepping stones on our path.
The time to act is now. Join us in creating a sustainable future for HVAC-R.

Sowing the seeds of climate protection with Daikin

Through a circular economy

- Embrace Certified Reclaimed Refrigerant Allocation to reuse more refrigerant
- Increase recovered refrigerant returns
- Reuse refrigerant for maintenance with our refrigerant recycling machine

Through innovation

- Equip our VRV 5 range with the lower GWP refrigerant R-32
- Offer high real-world seasonal efficiencies
- Deploy unique auto cleaning filters to maximise efficiency 24/7

Through smart use

- Rigorously follow up on energy consumption via the Daikin Cloud Service
- Factor in experts' advice to continuously optimise system efficiency
- Enable predictive maintenance to ensure optimum operation and uptime
- Prevent energy waste with smart key cards and sensors

www.daikin.eu/building-a-circular-economy

VRV

Maximum flexibility, minimum concern; As it should be.

NEW & UNIQUE Next generation mini VRV R-32 388

NEW & UNIQUE Certified Reclaimed Refrigerant Allocation 389

Why choose Daikin VRV? 390

Total solution concept 395

VRV 5 BLUEVOLUTION 398

VRV 5 Outdoor units 400

Heat pump 400
NEW & UNIQUE RXYSA-AV1/AY1 401

VRV 5 Indoor units 402

Ceiling mounted cassette units 402
NEW & UNIQUE FXFA-A 402
FXZA-A 406

Concealed ceiling units 410
UNIQUE Auto cleaning filter for concealed ceiling units 410
NEW FXDA-A 411
NEW FXSA-A 413

VRV IV 414

VRV IV outdoor units 414

Heat recovery 418
UNIQUE REYQ-U 418

Heat pump 422
RYYQ-U/RXYQ-U 422
NEW 6HP RXYSCQ-TV1 424
UNIQUE RXYSQ-TV9/TY9 426
UNIQUE SB.RKXYQ-T(8) 428
RXYLQ-T 430

Replacement VRV 434
RQCEQ-P3 436
RQYQ-P / RXYQQ-T 437

Water-cooled VRV 438
RWEYQ-T9 440

Branch selector (BS box) 443
BS1Q-A 443
BS-Q14AV1B 443

VRV IV indoor units 446

Ceiling mounted cassette units 450
UNIQUE FXFQ-B 450
UNIQUE FXZQ-A 451
FXCQ-A 452
FXKQ-MA 453

Concealed ceiling units 454
Multi zoning kit 454
FXDQ-A3 455
FXSQ-A 456
FXMQ-P7 / FXMQ-MB 457

Wall mounted unit 459
FXAQ-A 459

Ceiling suspended units 460
FXHQ-A 460
UNIQUE FXUQ-A 461

Floor standing units 462
FXNQ-A 462
FXLQ-P 463

Hot water 464
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HXHD-A8 465
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Welcome the next generation of VRV

Lower CO_2 equivalent and market-leading flexibility

BLUEVOLUTION

Variable Refrigerant Temperature

Top sustainability

- ☑ Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- ☑ Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency

CO_2

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Market-leading serviceability and handling

- ☑ Low-height single fan range
- ☑ Easy to transport thanks to lightweight and compact design
- ☑ Wide access area to easily reach all key components

Market-leading flexibility

- ☑ Offering like-for-like R-410A flexibility
- ☑ Specially designed indoor units for R32, ensuring low sound and maximum efficiency
- ☑ New 10 class indoor unit

VRV

Towards a circular economy
of refrigerants

Externally Certified Quality

Reclaimed and reused within Europe

Certified Allocated Quantity

Reclaiming R-410A is just the start

Daikin launches new VRV ranges with Certified Reclaimed Refrigerant Allocation, **reusing existing refrigerant**

Now it's easier to make a positive choice to reduce the environmental impact of your air conditioning systems by choosing VRV IV+ Heat Recovery and VRV IV S-series units with **Certified Reclaimed Refrigerant Allocation**.

Exclusive to Daikin, a substantial amount of reclaimed refrigerant is now used in our units and:

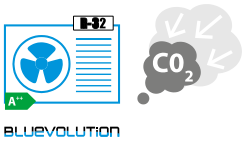
› Is independently certified as the same quality as virgin refrigerant
› Is administratively allocated 100% to VRV IV+ Heat Recovery and VRV IV S-series units
› Has zero impact on F-gas quota, as reclaimed and reused within Europe
› Saves more than 150,000 kg of virgin gas being manufactured each year
› Supports the development of a circular economy in our industry

Make a positive choice. Find out more at
www.daikin.eu/building-a-circular-economy

VRV, setting the standard

9 reasons why VRV is unique in the market

1 Leader in sustainability



NEW › VRV 5: Completely new and dedicated R-32 mini VRV design
- Less refrigerant charge
- Higher efficiency
- Lower CO_2 equivalent

NEW › A unique circular economy of refrigerants with Certified Reclaimed Refrigerant Allocation
- Saves over 150,000 kgs of virgin refrigerant being produced every year
- Available on mini VRV and VRV heat recovery systems

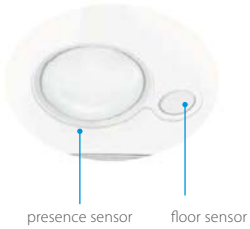
2 Efficiency

› Variable Refrigerant Temperature for high seasonal efficiency
› Round flow cassette and concealed ceiling units with auto cleaning filter
› The best partner for your BREEAM, LEED or Well project

BREEAM® ErP 2021 COMPLIANT

3 Comfort

› Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
› True continuous heating during defrost
› Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
› Auto cleaning filters to ensure optimum air quality



4 Reliability

› Refrigerant cooled PCB
› Most extensive testing before new units leave the factory
› Widest sales network with all spare parts available in Europe
› Preventive maintenance via Daikin Cloud Service
› Auto cleaning filters to further enhance reliability thanks to clean air-filters
› True technical cooling

5 Design

› Widest ever range of cassette panels
  • Available in **white and black**
  • Sleek **designer panel** range
› Daikin Emura, unique iconic design
› Fully flat cassette, fully integrated in the ceiling

6 Controls

reddot award 2018 winner

DESIGN AWARD 2018

› Madoka: a sleek wired remote controller with intuitive touch button control
› Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
› Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
› Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
› Daikin Cloud Service for online control, energy monitoring, comparison of multiple sites and predictive maintenance

DAIKIN CLOUD SERVICE

7 Installation

7-segment display

› Automatic refrigerant charge and refrigerant containment check
› 4-way blow ceiling suspended cassette (FXUQ)
› Plug & play Daikin Air Handling Unit
› VRV configurator software for the fastest commissioning, configuration and customisation
› Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support

8 Inventor

VRV

Variable Refrigerant Temperature

› Market leader of VRV systems since 1982
› Over 90 years of expertise in heat pump technology
› Designed for and produced in Europe
› Innovator setting the market standard with technologies such as Variable Refrigerant Temperature, continuous heating, ...

9 For every application a solution

VRV IV+

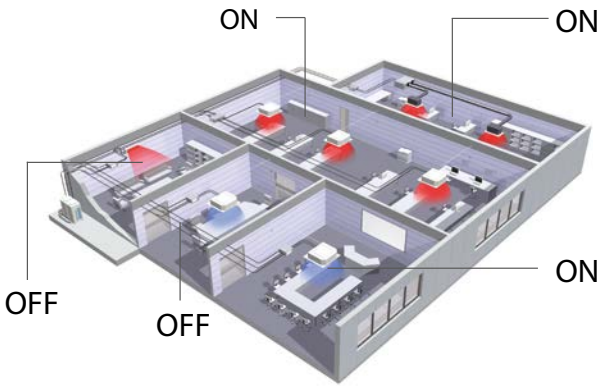
› Heat recovery for simultaneous cooling and heating
› Maximum flexibility for geothermal applications with water-cooled systems
› Hot and cold climate solutions offering efficient cooling up to 52°C and heating down to -25°C
› Space saving mini VRV solutions, offering the most compact VRV
› The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible
› Replacement solutions to replace existing systems in the most cost-effective way

The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982. VRV is the trademark of Dakin Industries Ltd, which is derived from the technology we call "variable refrigerant volume". BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission

But VRV is more…
standard VRV features

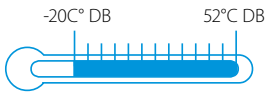
Low running costs

› Precise zone control
› All inverter compressors
› Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system



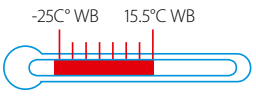
Great design flexibility

› Solutions for every climate, from -25 to +52°C



Cooling mode

multi tenant



Heating mode

max. 398kg for a 20HP unit

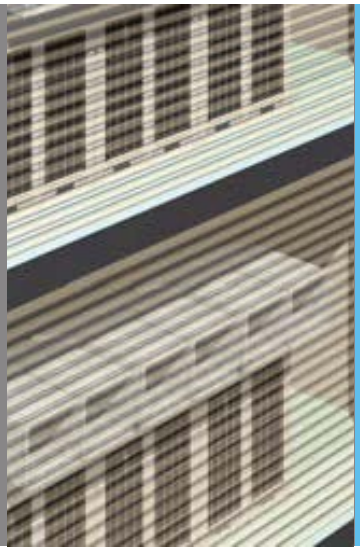
› Long refrigerant piping
› Zone by zone phased installation
› Outdoor units can be installed indoors
› Use one outdoor unit for multiple tenants

› Compact units require up to 29% less space than traditional water based systems, offering more lettable space and avoiding the need for structural reinforcement

Reliable

› Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against corrosion
› Duty cycling extends operation life
› Sequential start
› Only brazed connections

indoor installation of outdoor units

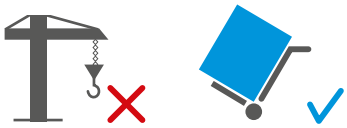


3 options:

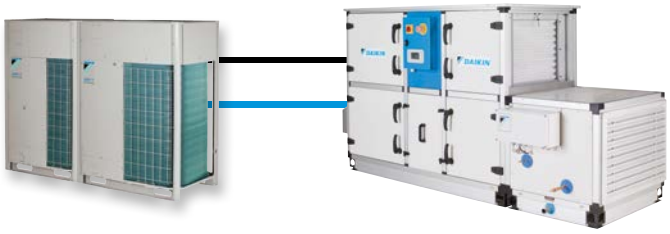
› ESP up to 78pa for standard air-cooled outdoor units
› VRV IV i-series air cooled heat pump for indoor installation
› VRV IV W-series water cooled unit for indoor installation

Easy installation and servicing

› Automatic testing and refrigerant charging
› Easy servicing and F-gas compliance with remote refrigerant containment check
› VRV configurator software
› Compact unit design



› Daikin unified REFNET piping
› Easy wiring
› Plug & play connection for VRV to Daikin Air Handling Units, the easiest solution with only one point of contact



High comfort levels

› Individual control and simultaneous cooling and heating for perfect personal environment
› Night quiet mode on outdoor units to ensure low outdoor operation sound
› Back-up function
› Low indoor sound levels down to 19 dBA

Simultaneous cooling and heating with heat recovery systems

DAIKIN emura — 19 dB(A)

nexura — 19 dB(A)

FULLY FLAT CASSETTE — 25.5 dB(A)

› CO_2 sensor in combination with Daikin ventilation (VAM, VKM , Modular L Smart) units ensures fresh air, while preventing energy losses from over-ventilation

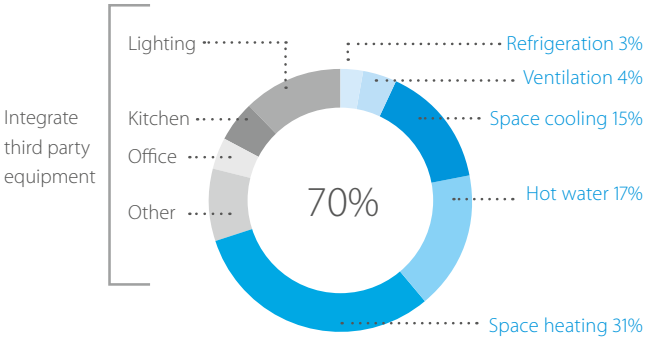
Which applications?

Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into a total solution managing up to 70% of a buildings energy consumption giving large potential to cost saving.

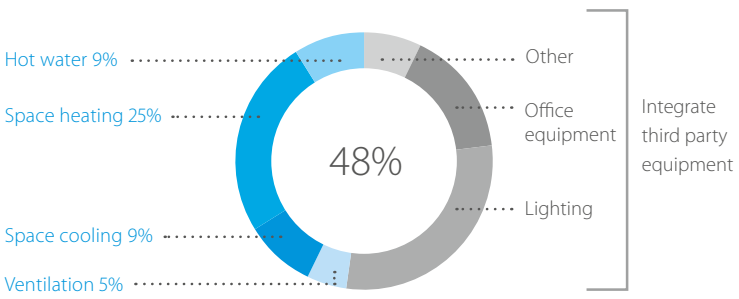
- **Heating and cooling** for year round comfort
- **Hot water** for efficient production of hot water
- **Underfloor heating /cooling** for efficient space heating/cooling
- **Ventilation** for high quality environments
- **Air curtains** for optimum air separation
- **Controls** for maximum operating efficiency
- **Cooling** for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- **Refrigeration** via our VRV based refrigeration units

Combine up to 70% of your building's energy consumption

Average hotel energy consumption



Average office energy consumption



One system,

multiple applications for hotels, offices, retail, home …

Heating and cooling

› Combine VRV indoor units with other stylish indoor units in one system
› New round flow cassette sets the standard for efficiency and comfort
› Extensive range of models and capacities for optimal selection

Intelligent control systems

› Mini BMS which connects Daikin and third-party equipment
› Integrate intelligent control solutions with energy management tools to reduce running costs

Low-temperature hot water

› Highly efficient space heating through:
  - Underfloor heating
  - Low temperature radiators
  - AHU water heat exchangers
› Hot water from 25 °C to 45 °C
› Cold water from +5°C to +20°C

Biddle air curtain

› Payback time less than 1.5 years compared to electrical air curtain
› A highly efficient solution for doorway climate separation

High temperature hot water

› Efficient hot water production for:
  - Showers
  - Sinks
  - Tapwater for cleaning
› Hot water from 25 °C to 80 °C
› Connectable to VRV heat recovery and Water - cooled VRV

Fresh air

› Widest range in DX ventilation – from small heat recovery ventilation to large scale air handling units
› Provides a fresh, healthy and comfortable environment

VRV
for offices and banks

Efficiency in the workplace

Efficient building and facilities management are key to minimising operational costs

Our solutions for offices:

› Unique cassette integrating fully flat into architectural ceilings
› Intelligent sensors
  - maximise efficiency by switching off the unit if there is nobody in the (meeting) room
  - maximise comfort by directing the air flow away from people to avoid cold draughts
› A complete Daikin mini Building Energy Management System (BEMS), with the Intelligent Touch Manager
› Plug & play connection to air handling units for a healthier office atmosphere
› Hot water production for sanitary use (e.g. kitchens) and space heating (e.g. underfloor loops)
› Truly reliable technical cooling down to -20°C, including duty/standby function

Check on YouTube
www.youtube.com/DaikinEurope

VRV
for hotels

Hospitality with economy

Maximum guest comfort, while keeping control of your costs.

Our solutions for hotels:

› Low cost heating and hot water by recovering heat from areas requiring cooling
› The perfect personal environment for guests by simultaneously heating spaces while cooling others
› Concealed ceiling units offer very low sound levels ensuring a good night's rest
› Smart energy management via Intelligent Touch Manager puts the hotel owner in full control of energy costs
› Intelligent and user-friendly hotel room controllers change the set point automatically when a guest leaves the room or opens the window
› Easy integration in hotel booking software
› Hot water production for bathrooms, underfloor heating and radiators up to 80°C

Check on YouTube
www.youtube.com/DaikinEurope

Hotel

Bank / Retail

VRV for retail

Reducing retail costs

Affordable & efficient solutions minimize lifetime costs.

Our retail solutions:

› Compact inverter heat pump technology
› Unique round flow cassettes with autocleaning panel saving up to 50% of energy use compared to standard cassette units
› Intuitive touch screen intelligent Tablet Controller allowing multi site control via the Daikin Cloud Service
› Individual control of each indoor unit or shop zone
› Savings on runningcost via pre/post trade modes, limiting energy use by lights, air conditioning, ...
› The most efficient open-door solution with Biddle air curtains

VRV for residential use

There is no place like home

A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort

Our residential solutions:

› Lower CO_2 emissions compared to traditional heating systems
› Compact outdoor unit design with a low sound level
› Whisper-quiet indoor units down to 19dBA
› Control and manage your system from anywhere you are via the cloud
› Up to 9 indoor units that can be connected to one outdoor unit

Want to know more about our commercial solutions?

Check on YouTube

www.youtube.com/DaikinEurope

Residential

NEW VRV BLUEVOLUTION

VRV 5 outdoor unit overview

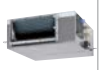
Capacity class (kW)

	Model		Product name			4	5	6
Air – cooled heat pump	UNIQUE VRV 5 S-series	Lower CO_2 equivalent and market-leading flexibility › Compact single fan design saves space and is easy to install › Market-leading serviceability and handling › Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge › Offering like-for-like R-410A flexibility	RXYSA-AV1 / AY1		1~	●	●	●
					3~	●	●	●

With new Madoka BRC1H52W/S/K!

VRV 5 indoor unit overview

Capacity class (kW)

Type	Model		Product name		10	15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFA-A				●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZA-A			●	●	●	●	●	●								
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developed for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDA-A		UNIQUE ●	●	●	●	●	●	●	●							
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSA-A			●	●	●	●	●	●	●		●	●	●	●		
Cooling capacity (kW)[1]						1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]						1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

Black and designer panels

Auto cleaning filter option

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

VRV 5 indoor unit benefit overview

			Ceiling mounted cassette units		Concealed ceiling units	
			FXFA-A	**FXZA-A**	**FXDA-A**	**FXSA-A**
We care		Home leave operation	During absence, indoor comfort levels can be maintained	●	●	●	●
		Fan only	The air conditioner can be used as fan, blowing air without cooling or heating	●	●	●	●
		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance	● (optional)		● (optional)	
		Floor and presence sensor	The presence sensor directs the air away from any person detected in the room. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor	●	●		
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired	●	●		
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood	●	●	●	●
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature	●	●	●	●
Air treatment		Air filter	Removes airborne dust particles to ensure a steady supply of clean air	G1 F8 (optional)	G1	●	G1 F8 (optional)
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature	●	●	●	●
Air flow		Ceiling soiling prevention	The air discharge of the indoor unit is specially designed to prevent air being blown against the ceiling to prevent ceiling stains	●	●		
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution	●	●		
		Fan speed steps	Multiple fan speeds to select,to optimize comfort levels	3 + auto	3 + auto	3	3 + auto
		Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well	●	●		
Remote control & timer		Weekly timer	Timer can be set to start and stop operation anytime on a daily or weekly basis	●	●	●	●
		Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit	●	●	●	●
		Wired remote control	Wired remote control to remotely control your indoor unit	Only connectable to new BRC1H52W/S/K			
		Centralised control	Centralised control to to control several indoor units from one single point	●	●	●	●
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit				
Other funtcions		Auto-restart	The unit restarts automatically at the original settings after power failure	●	●	●	●
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies	●	●	●	●
		Drain pump kit	Facilitates condensation draining from the indoor unit	Standard	Standard	Standard	Standard
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the building or for servicing purposes	●	●	●	●

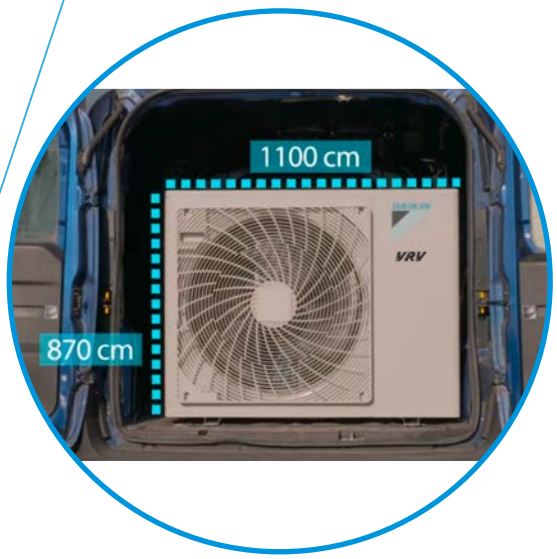
Next generation VRV

New and bigger fan design

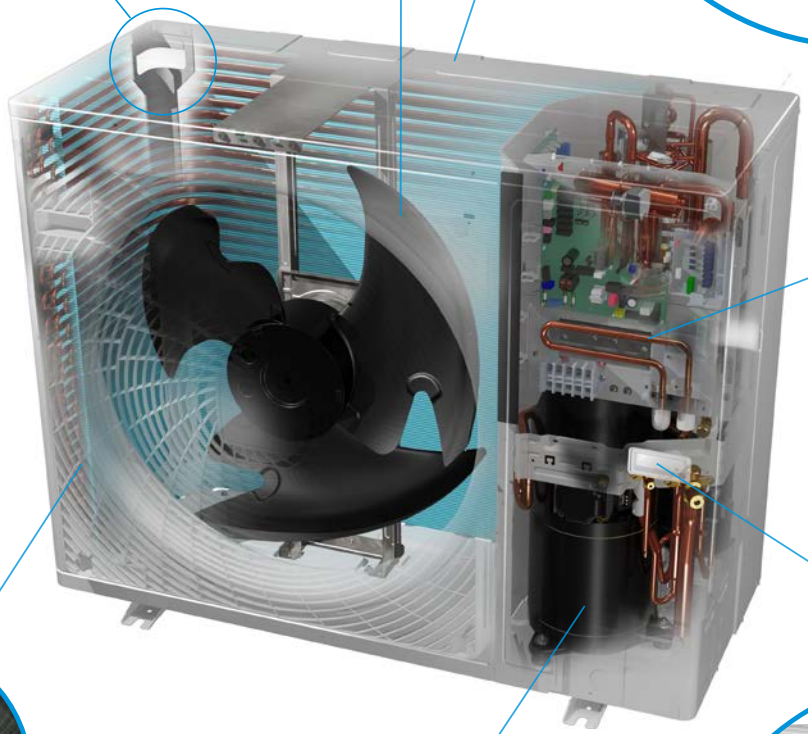
› Ensures high air volume with low air velocity reduces sound emissions

Compact dimensions

› Easy to transport thanks to compact, single-fan design



Newly positioned handle for easier handling



Refrigerant cooled PCB

Market-leading serviceability and handling

3-row heat exchanger

› Unique 3-row heat exchanger to allow compact casing

Scroll compressor optimised for seasonal efficiency

NEW RXYSA-AV1/AY1

VRV 5 S-series

Lower CO_2 equivalent and market-leading flexibility

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Low-height single fan range
- Easy to transport thanks to lightweight and compact design
- Wide access area to easily reach all key components
- Offering like-for-like R-410A flexibility
- Specially designed indoor units for R32, ensuring low sound and maximum efficiency

RXYSA-AV/AY1

Only 870mm high!

Reduced CO_2 equivalent

Like-for-like R-410A installation flexibility

ErP 2021 COMPLIANT
Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Access all technical information on RXYSA-AV1/AY1 at my.daikin.eu or click here

Outdoor unit			RXYSA	4AV1	5AV1	6AV1	4AY1	5AY1	6AY1
Capacity range			HP	4	5	6	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5
	Max.	6°CWB	kW						
Recommended combination									
ηs,c			%						
ηs,h			%						
SEER									
SCOP									
Maximum number of connectable indoor units				64 (1)					
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0
	Nom.			-					
	Max.			130.0	162.5	182.0	130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460					
Weight	Unit		kg						
Sound power level	Cooling	Nom.	dBA	68	69	70	68	69	70
Sound pressure level	Cooling	Nom.	dBA	50	51		50	51	
Operation range	Cooling	Min.~Max.	°CDB	-5~46					
	Heating	Min.~Max.	°CWB	-20~15.5					
Refrigerant	Type/GWP			R-32/675					
	Charge		kg/TCO2Eq						
Piping connections	Liquid	OD	mm	9.52					
	Gas	OD	mm	15.9					
	Total piping length	System Actual	m	300					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A						

*Note: blue cells contain preliminary data

Round flow cassette

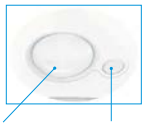
360° air discharge for improved comfort

› Industry-first and proven design.
› Wider flaps to even further improve equal temperature distribution

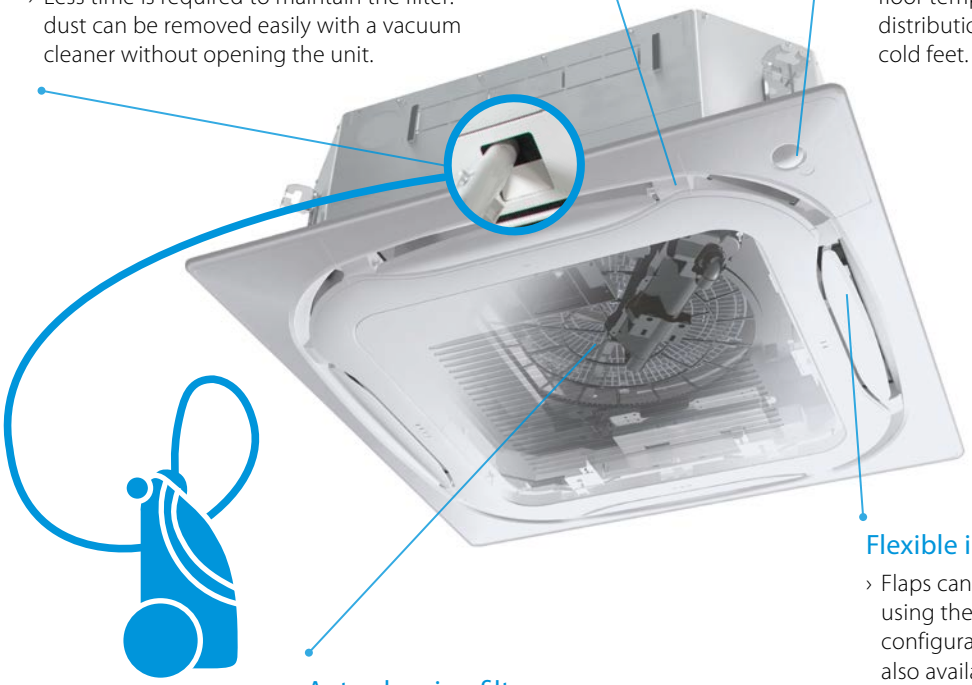
More energy efficient and user-friendly than any other cassette

› Running costs can be reduced down to 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

Intelligent sensors improve efficiency and comfort even more

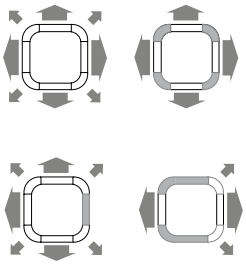


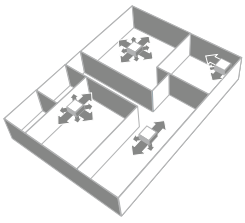
› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.
› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.



Flexible installation

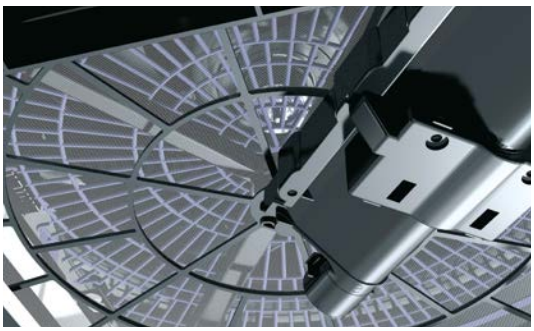
› Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.





Auto cleaning filter

Dust can simply be removed using a vacuum cleaner without opening the unit.



* Available as an option

Widest ever range of decoration panels to fit the interior and application

Standard panels available in white and black

› The unique Daikin round flow cassette with 360° air flow, wide flaps and optional intelligent sensors

BYCQ140E
white standard panel

BYCQ140EW
Full white standard panel

BYCQ140EB
black standard panel

Auto cleaning panels available in white and black

› The unique Daikin auto cleaning cassette with wide flaps and optional intelligent sensors

BYCQ140EGF
White auto cleaning panel

BYCQ140EGFB
Black auto cleaning panel

Designer panel in white and black

› New line of design panels hiding air intake grilles for a more stylized outlook
› With 360° air flow, wide flaps and optional intelligent sensors

White BYCQ140EP
White designer panel panel

BYCQ140EPB
Black designer panel

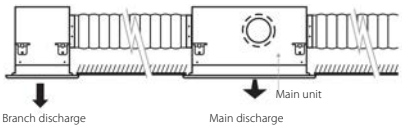
ROUND FLOW CASSETTE, BLACK DESIGNER PANEL

ROUND FLOW CASSETTE
AUTO CLEANING PANEL

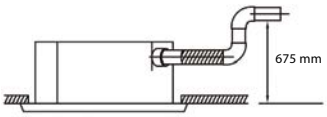
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Optimised design for R-32 refrigerant
- Optional automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



- Standard drain pump with 675mm lift increases flexibility and installation speed



White panel | White auto cleaning panel | Black panel | Black design panel

Access all technical information on FXFA-A at my.daikin.eu or click here

Indoor unit				FXFA	20A	25A	32A	40A	50A	63A	80A	100A	125A
Cooling capacity	Total capacity	Nom.		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW	0.04				0.05	0.06	0.09	0.12	0.19
	Heating	Nom.		kW	0.04				0.05	0.06	0.09	0.11	0.18
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	19			20	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950								
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4								
Fan	Air flow rate -	Cooling	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
	50Hz	Heating	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
Air filter	Type				Resin net								
Sound power level	Cooling	High		dBA	49			51		53	55	60	61
Sound pressure level	Cooling	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
	Heating	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
Refrigerant	Type/GWP				R-32 / 675								
Piping connections	Liquid	OD		mm	6.35					9.52			
	Gas	OD		mm	12.70					15.90			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F								
	Wired remote control				BRC1H52W/S/K								

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Fully Flat Cassette

Design & Genius in one

Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

Choice between grey or white panel

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

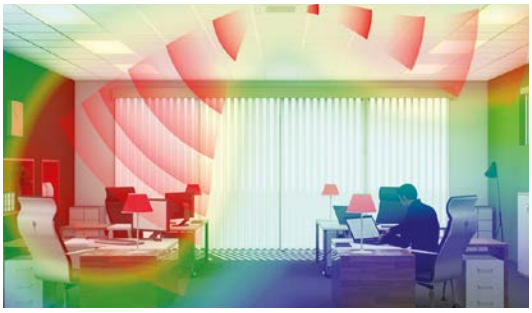
› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA-A9) or VRV IV heat pump units (FXZQ-A).

Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

Unique design

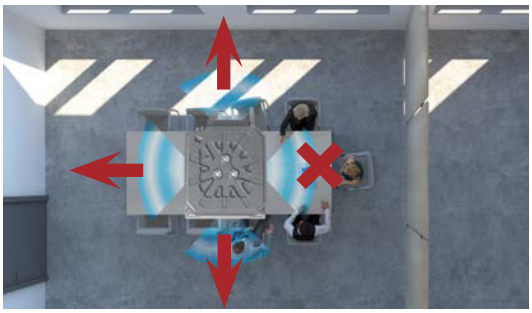
› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).



Differentiating in technology

Optional presence sensor
› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor
› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.



Top efficiency

› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

Marketing tools

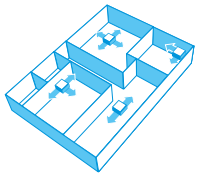
› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

MART
Budget
Target
35.000
50.000
Offer
Won

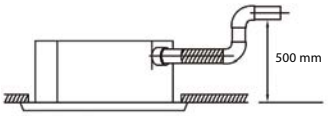
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Optimised design for R-32 refrigerant
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed



FXZA-A

BRC1H52W, BRC7F530W-S

Access all technical information on FXZA-A at my.daikin.eu or click here

Indoor unit				FXZA	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	Nom.		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	Nom.		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	Nom.		kW	0.043			0.045	0.059	0.092
	Heating	Nom.		kW	0.036			0.038	0.053	0.086
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575					
Weight	Unit			kg	15.5			16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C2W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C2W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B2W1					
	Colour				White (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Decoration panel 4	Model				BYFQ60B3W1					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
		Heating	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
Air filter	Type				Resin net					
Sound power level	Cooling	High		dBA	49		50	51	54	60
Sound pressure level	Cooling	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
	Heating	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
Refrigerant	Type/GWP				R-32 / 675					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)					
	Wired remote control				BRC1H52W/S/K					

Dimensions do not include control box

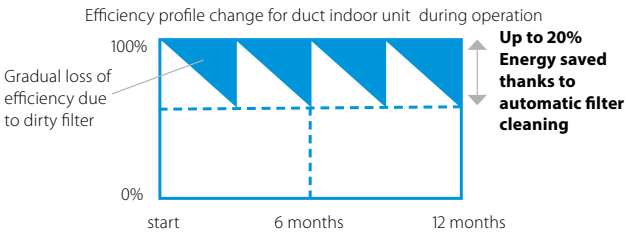
*Note: blue cells contain preliminary data

Auto cleaning filter for concealed ceiling units

The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

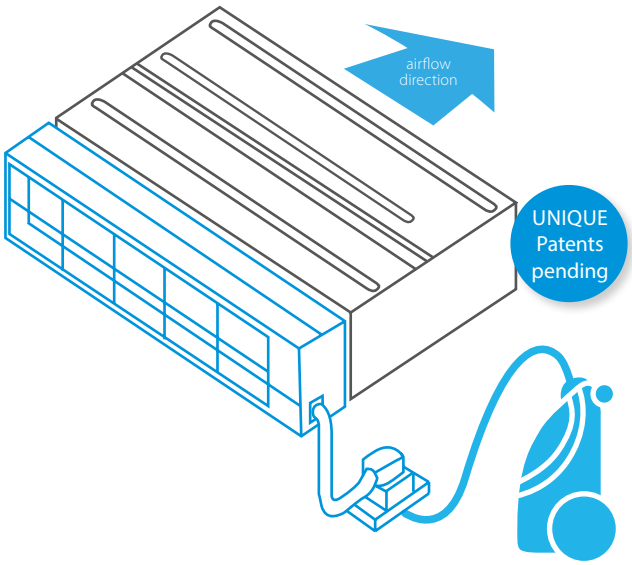
Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

Unique in the market

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



How does it work?

1 Scheduled automatic filter cleaning
2 Dust collects in a dust box that's integrated into the unit
3 The dust can easily be removed with a vacuum cleaner

YouTube

www.youtube.com/DaikinEurope

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

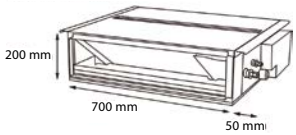
	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		

Slim concealed ceiling unit

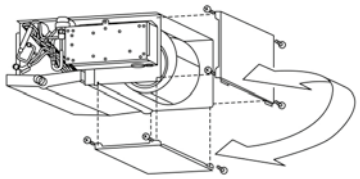
Slim design for flexible installation

› Optimised design for R-32 refrigerant
› 10 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

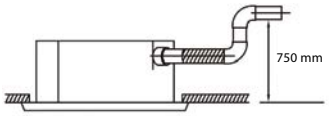
SERIE A (15, 20, 25, 32)

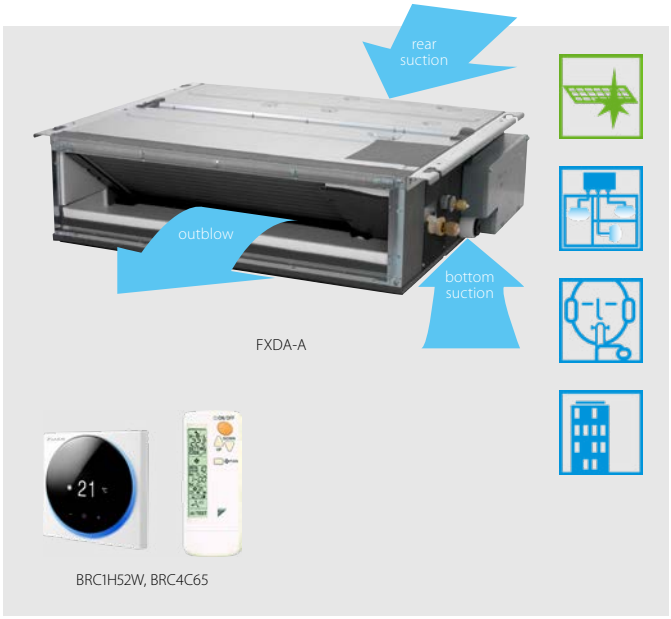


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



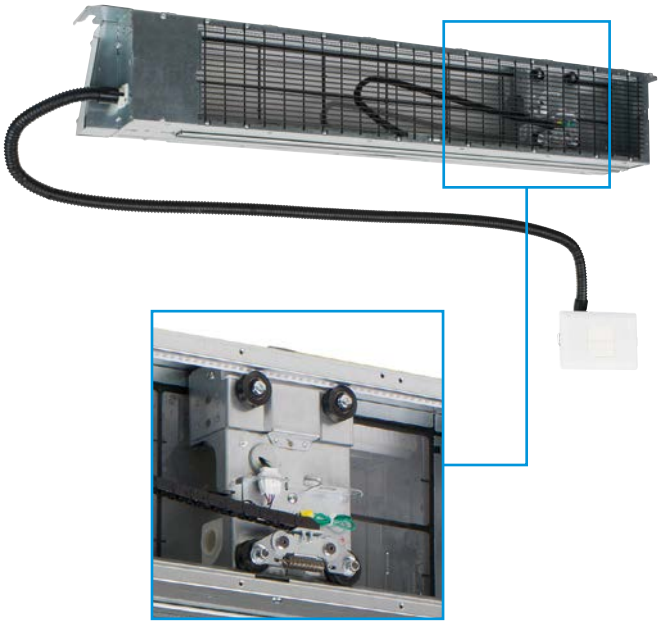
› Standard drain pump with 750mm lift increases flexibility and installation speed





FXDA-A

BRC1H52W, BRC4C65



Auto cleaning filter option

Access all technical information on FXDA-A at my.daikin.eu or click here

Access all technical information on BAE20A at my.daikin.eu or click here

Indoor unit			FXDA	10A	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW	1.10	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW	1.30	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW	0.062	0.071				0.078	0.099	0.110
	Heating	Nom.	kW	0.058	0.068				0.075	0.096	0.107
Required ceiling void >			mm	240							
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620					200x950x620		200x1,150x620
Weight	Unit		kg	22.5	22.0				26.0		29.0
Casing	Material			Galvanised steel							
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	4/5.7	6.4/7.5	6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
	External static pressure - 50Hz	Nom./High	Pa	10/30.0					15/44.0		
Air filter	Type			Removable / washable							
Sound power level	Cooling	High	dBA	48	50	51			52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA	24/26/27	27.0/31.0/32.0	27.0/31.0/33.0			28.0/32.0/34.0	29.0/33.0/35.0	30.0/34.0/36.0
Refrigerant	Type/GWP			R-32 / 675							
Piping connections	Liquid	OD	mm	6.35							9.52
	Gas	OD	mm	12.7							15.9
	Drain			VP20 (I.D. 20/O.D. 26)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse amps (MFA)		A	16							
Control systems	Infrared remote control			BRC4C65 / BRC4C66							
	Wired remote control			BRC1H52W/S/K							

*Note: blue cells contain preliminary data

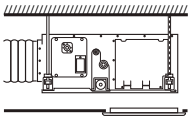
21 ℃

Concealed ceiling unit with medium ESP

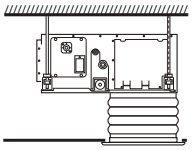
Slimmest yet most powerful medium static pressure unit on the market

› Optimised design for R-32 refrigerant
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

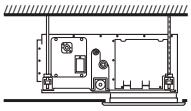
› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Optional fresh air intake
› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



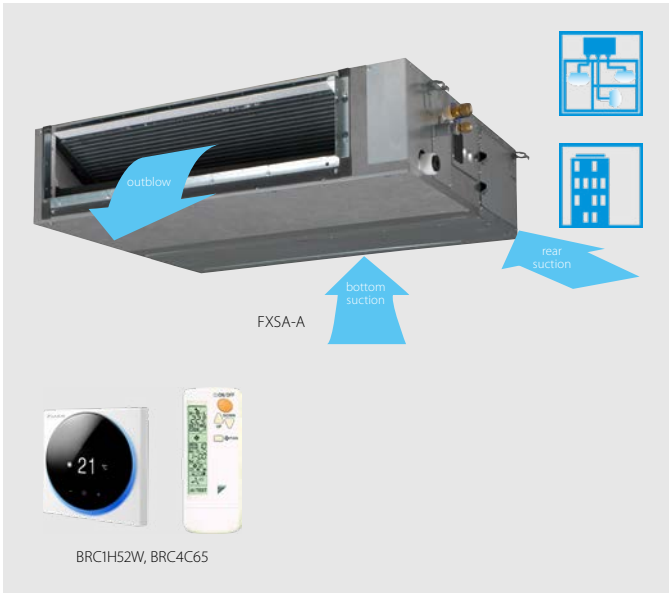
For free use into a false ceiling



For connecting onto a suction canvas (not supplied by Daikin)



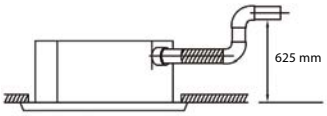
For direct connection to Daikin panel (via EKBYBSD kit)



FXSA-A

BRC1H52W, BRC4C65

› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

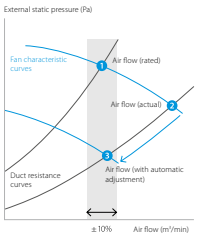


Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Access all technical information on FXSA-A at my.daikin.eu or click here

Indoor unit			FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW	0.090			0.096	0.151	0.154	0.188	0.213	0.290	0.331	0.386
	Heating	Nom.	kW	0.086			0.092	0.147	0.150	0.183	0.209	0.285	0.326	0.382
Dimensions	Unit	HeightxWidthxDepth	mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit		kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material			Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
		Heating Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	External static pressure - 50Hz	Nom./High	Pa	30/150							40/150		50/150	
Air filter	Type			Resin net										
Sound power level	Cooling	High	dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	Low/Nom./High	dBA	25.0/28.0/29.5	25.0/28.0/30.0		26.0/29.0/31.0	29.0/32.0/35.0		27.0/30.0/33.0	29.0/32.0/35.0	31.0/34.0/36.0	33.0/36.0/39.0	34.0/38.0/41.5
	Heating	Low/Nom./High	dBA	26.0/29.0/31.5	26.0/29.0/32.0		27.0/30.0/33.0	29.0/34.0/37.0		28.0/32.0/35.0	30.0/34.0/37.0	31.0/34.0/37.0	33.0/37.0/40.0	34.0/38.5/42.0
Refrigerant	Type/GWP			R-32 / 675										
Piping connections	Liquid	OD	mm	6.35						9.52				
	Gas	OD	mm	12.7						15.9				
	Drain			VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)		A	16										
Control systems	Infrared remote control			BRC4C65										
	Wired remote control			BRC1H52W/S/K										

*Note: blue cells contain preliminary data

Products overview VRV IV

	Model		Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30
Air cooled - heat recovery	VRV IV heat recovery	UNIQUE Best efficiency & comfort solution › Fully integrated solution with heat recovery for maximum efficiency › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › "Free" heating and hot water through heat recovery › The perfect personal comfort for guests/tenants via simultaneous cooling and heating › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating › Allows technical cooling › Widest range of BS boxes on the market	REYQ-U VRV IV+				●	●	●		●	●	●	●					
							○		○			○	○	○	○	○	○	○	○
Air cooled - heat pump	VRV IV heat pump with continuous heating	Daikin's optimum solution with top comfort › Continuous heating during defrost › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYYQ-U VRV IV+				●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
	VRV IV heat pump without continuous heating	Daikin's solution for comfort & low energy consumption › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-U VRV IV+				●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
	VRV IV-S series Compact	NEW The most compact VRV › Compact and lightweight single fan design saves space and is easy to install › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1 VRV IV S-series Compact	●	●	NEW ●														
	VRV IV-S series	UNIQUE Space saving solution without compromising on efficiency › Space saving trunk design for flexible installation › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQT8V/T8Y/TY1 VRV IV S-series	T8V ●	●	●														
				T8Y/TY1 ●	●	●	●	●	●											
	VRV IV heat pump for indoor installation	UNIQUE The invisible VRV › Unique VRV heat pump for indoor installation › Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8) VRV IV i-series		○		○												
	VRV IV heat pump, optimised for cold climates	Where heating is priority without compromising on efficiency › Suitable for single source heating › Extended operation range down to -25°C in heating › Stable heating capacity without any capacity loss down to -15°C › Very economical solution as a smaller outdoor unit model can be used compared to the standard series	RXYLQ-T VRV IV C+series					●	●		●	○	○	○	○	○	○	○	○
Replacement	heat recovery	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely	RQCEQ-P3 VRVIII-Q					○		○		○	○	○	○	○	○	○	○
	heat pump	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQQ-U VRV IV Q+series		●		●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
Water cooled	Water cooled VRV IV	Ideal for high rise buildings, using water as heat source › Reduced CO2 emissions thanks to the use of geothermal energy as a renewable energy source › No need for an external heating or cooling source when used in geothermal mode › Compact & lightweight design can be stacked for maximum space saving › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Variable Water Flow control option increases flexibility and control › Mixed connection of HT hydroboxes and VRV indoor units › Either connect VRV of stylish indoor units (Daikin Emura, Nexura › 2 analogue input signals allowing external control	RWEYQ-T9* VRV IV W+series				●	●	●		●								
												○	○	○	○	○	○	○	○

Ranges marked with '*' are not Eurovent certified. Multi combinations are not in scope of the Eurovent certification programme

● Single unit
○ Multi combination

Capacity (HP)												Description / Combination	**VRV** indoor units	Residential indoor units	**LT Hydrobox** HXY-A	**HT Hydrobox** HXHD-A	HRV units VAM-, VKM-	**AHU connection** EKEXV- + EKEQMCBA	**AHU connection** EKEXV- + EKEQFCBA	**Air curtains** CYV-DK-	Remarks
32	34	36	38	40	42	44	46	48	50	52	54										
												VRV IV⁺ Heat Recovery REYQ-T	O	×	O	O	O	O	×	O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								
												with LT/HT Hydroboxes	✓		✓	✓	✓				› Max 32 indoor units, even on 16HP and larger systems › Total system connection ratio with HT hydroboxes up to 200% possible
												HRV units VAM-, VKM-	✓		✓	✓	✓	✓		✓	› Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is allways neccessary
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												VRV IV⁺ Heat Pump RYYQ-T(8) / RXYQ-T(9)	O	O	O	×	O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								› 200% total system connection ratio possible under special circumstances
●	●	●	●	●	●	●	●	●	●	●	●	with residential indoor units	✓	✓			✓				› Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) › Max 32 indoor units, even on 16HP, 18HP and 20HP systems › Connection ratio: 80 ~ 130%
												with LT Hydroboxes	✓		✓		✓				› Max 32 indoor units, even on 16HP and larger systems › Contact Daikin in case of multi-module systems (>20HP)
												HRV units VAM-, VKM-	✓	✓	✓		✓	✓		✓	
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
●	●	●	●	●	●	●	●	●	●	●	●	AHU connection EKEXV + EKEQFCBA							✓		
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV IV-S RXYSQ-/RXYSCQ-	O	O	×	×	O	O	×	O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units only	✓				✓	✓		✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
												VRV IV i series SB.RKXYQ-T(8)	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-C⁺ series RXYLQ-T	O	O	O	×	O	O	O	O	› Standard total system connection ratio limit: 70 ~ 130%
												with VRV indoor units only	✓				✓			✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
●	●	●	●	●	●							with LT hydroboxes	✓		✓		✓				› Max. 32 indoor units, contact Daikin in case of multi-module systems (> 14HP)
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio is 70~110%
												AHU connection EKEXV + EKEQFCBA	✓						✓		› With AHU only connection ration is 90~110%
												VRV III-Q⁺ series Replacement H/R RQCEQ-P3	✓	×	×	×	✓	×	×	×	› Standard total system connection ratio limit: 50 ~ 130%
●	●	●	●	●	●							**VRV IV-Q Replacement H/P** RXYQQ-T	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-W⁺ series Water-cooled VRV RWEYQ-T9	O	O	×	O	O	O	O	O	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓			✓	✓	✓	✓	✓	
												with split indoor units	✓	✓			✓				› Only single-module systems (RWEYQ8-14T9) › Max 32 indoor units › Connection ratio: 80 ~ 130% › only in heat pump version
●	●	●	●	●	●							with HT hydrobox	✓			✓					
												AHU connection	✓					✓			› Total system connection ratio with AHU + X indoor is 50 ~ 110% › Total system connection ration with AHU only is 90~ 110%

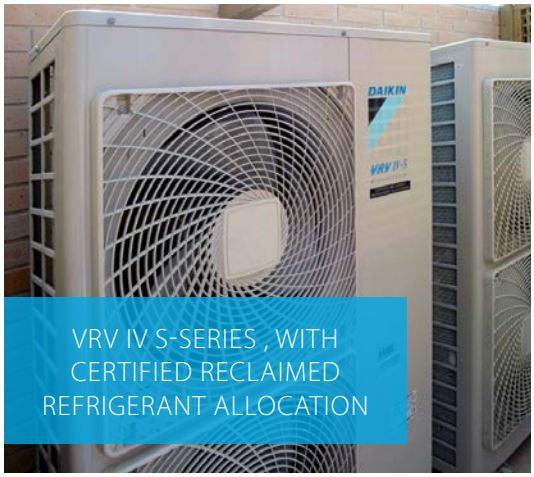
O ... connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units
✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row
× ... connection of indoor not possible on this outdoor unit system

VRV IV+ HEAT RECOVERY WITH CERTIFIED
RECLAIMED REFRIGERANT ALLOCATION

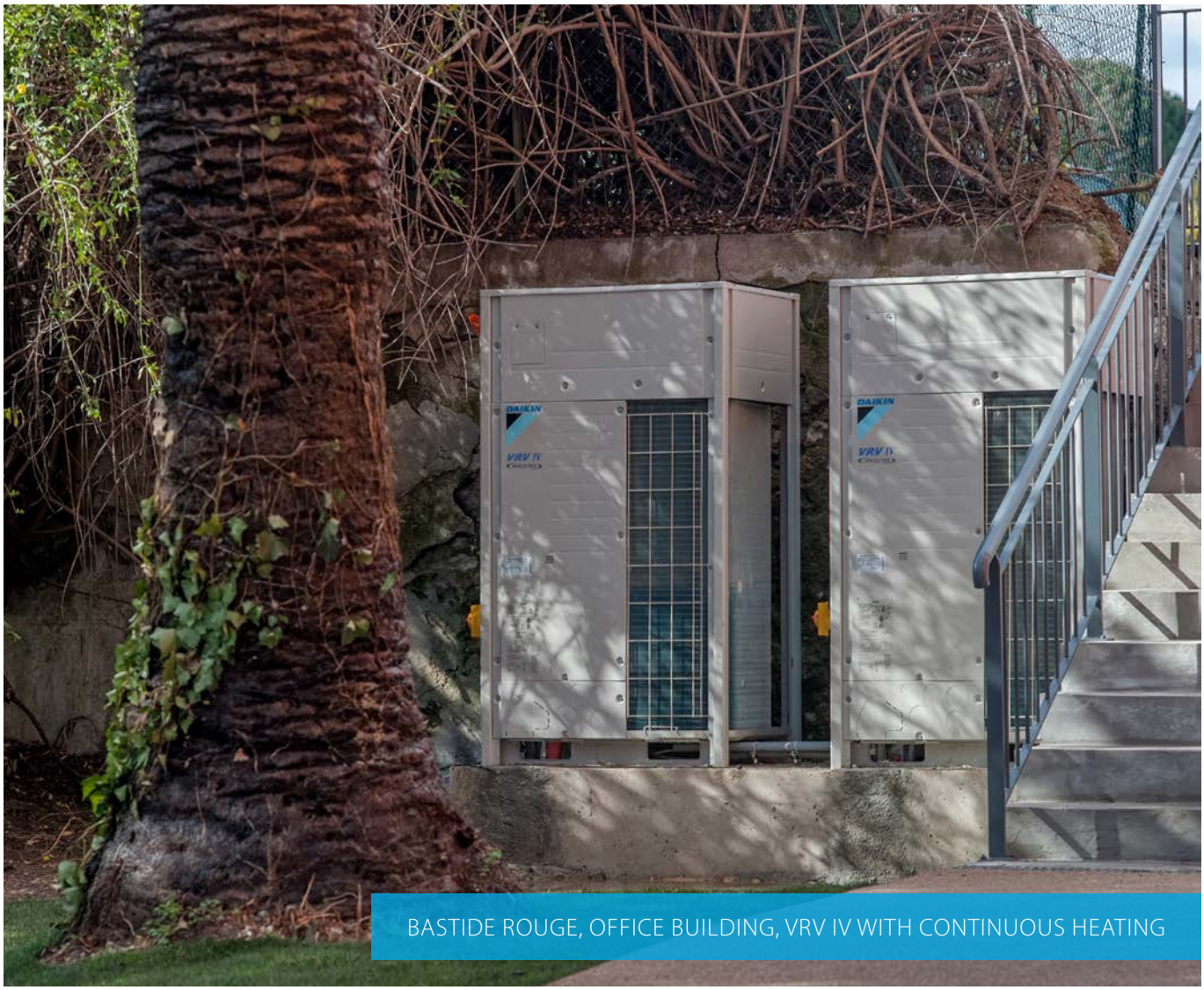
PARK PHI
BREEAM EXCELLENT OFFICE BUILDING
WATERCOOLED VRV

VRV IV i-SERIES VRV IV HEAT PUMP
FOR INDOOR INSTALLATION

HOTEL LE PIGONNET, 8 REPLACEMENT VRV



VRV IV S-SERIES , WITH CERTIFIED RECLAIMED REFRIGERANT ALLOCATION



BASTIDE ROUGE, OFFICE BUILDING, VRV IV WITH CONTINUOUS HEATING

VRV IV Heat Recovery

Innovation in detail

Certified Reclaimed Refrigerant Allocation

Make a positive choice and reuse refrigerant to avoid more than 150,000 kg of virgin gas being produced each year.

Insprired to help?
Find out more about Daikin's initiatives to built a circular economy:
www.daikin.eu/building-a-circular-economy

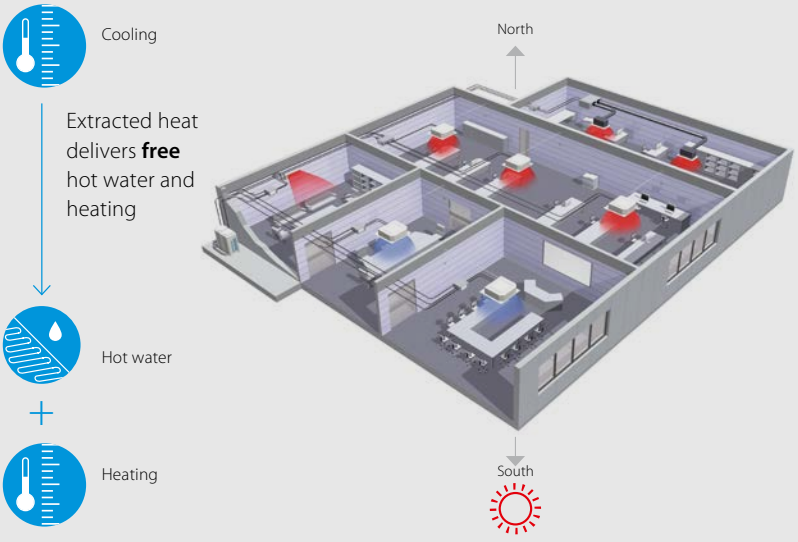
"Free" heat and hot water production

An integrated heat recovery system reuses heat from offices, server rooms, to warm other areas or create hot water.

Maximum comfort

A VRV heat-recovery system allows simultaneous cooling and heating.

› For hotel owners, this means a perfect environment for guests as they can freely choose between cooling or heating.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.

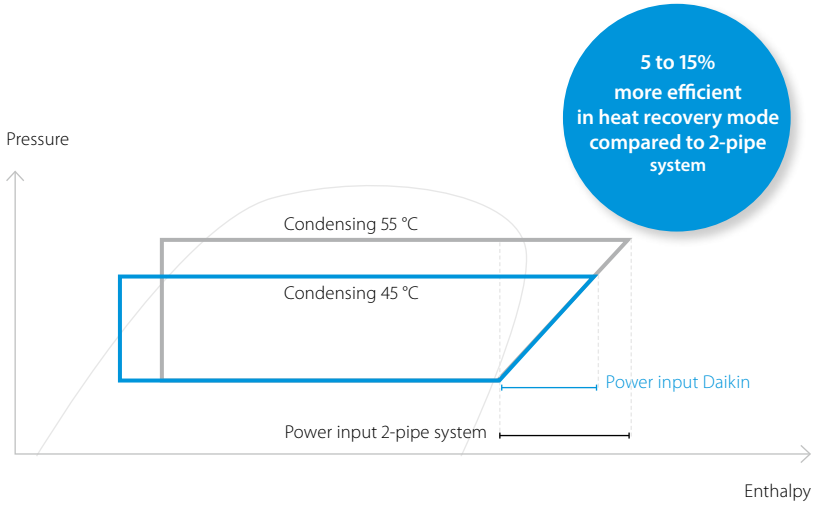


Advantages of 3-pipe technology

More "free" heat

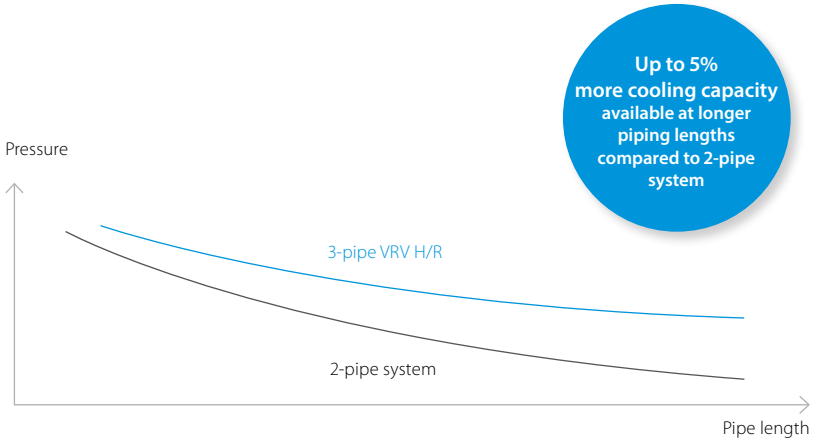
Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



Lower pressure drop means more efficiency

› Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
› Disturbed refrigerant flow in large gas pipe on 2-pipe system results in bigger pressure drop



Maximum design flexibility and installation speed

› Quickly and flexibly design your system with a unique range of single and multi BS boxes.
› A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
› Free combination of single and multi BS boxes

Single port

BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16

BS 4 Q14 A

BS 6, 8 Q14 A

BS 10, 12 Q14 A

BS 16 Q14 A

VRV IV+ heat recovery

Best efficiency & comfort solution

- Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8 !
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
- Contains all standard VRV features

By choosing this product with Certified Reclaimed Refrigerant Allocation you support the re-use of refrigerant

Already fully compliant to LOT 21 - Tier 2

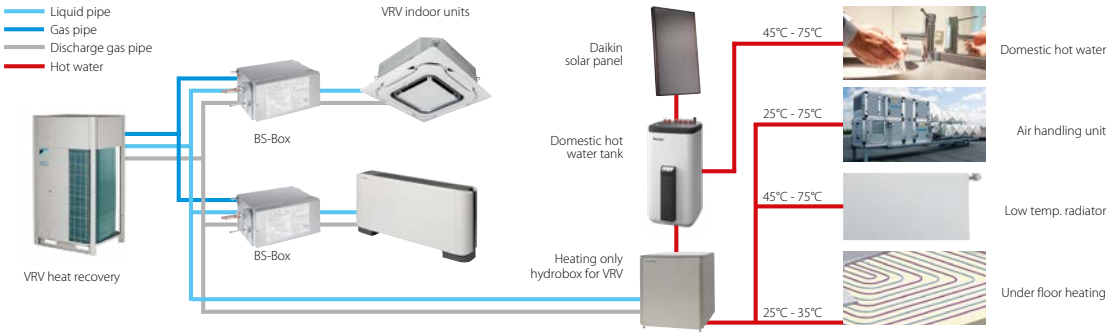
Published data with real-life indoor units

Access all technical information on REYQ-U at my.daikin.eu or click here

Outdoor unit				REYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
ηs,c				%	286.1	264.8	257.0	255.8	243.1	250.6	246.7
ηs,h				%	165.1	169.7	183.8	168.3	167.5	172.5	162.7
SEER					7.2	6.7	6.5		6.2	6.3	6.2
SCOP					4.2	4.3	4.7	4.3		4.4	4.1
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	230			314		317	
Sound power level	Cooling	Nom.		dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.		dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0						
	Heating	Min.~Max.		°CWB	-20.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6			
Piping connections	Liquid	OD		mm	952		127			159	
	Gas	OD		mm	19.1	22.2	28.6				
	HP/LP gas	OD		mm	15.9	19.1		22.2			28.6
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit System + Module				REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor unit module 1				REMQ5U		REYQ8U			REYQ10U	REYQ8U		REYQ12U		REYQ16U
	Outdoor unit module 2				REMQ5U	REYQ8U		REYQ10U	REYQ12U		REYQ16U	REYQ14U	REYQ16U	REYQ18U	REYQ16U
Capacity range				HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h			kW	16.0	21.7	23.2	27.9	31.0	34.4	36.9	37.1	39.7	44.4	46.4
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
ηs,c				%	275.1	301.3	288.6	272.9	266.0	260.4	257.7	257.5	251.9	266.8	243.1
ηs,h				%	158.8	160.6	168.2	167.9	175.7	178.5	167.6	175.5	174.8	179.4	169.1
SEER					7.0	7.6	7.3	6.9	6.7	6.6	6.5		6.4	6.7	6.2
SCOP					4.0	4.1	4.3		4.5		4.3	4.5	4.4	4.6	4.3
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
	Nom.				-										
	Max.				325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connections	Liquid	OD		mm	952	127		159			191				
	Gas	OD		mm	22.2	28.6					34.9				
	HP/LP gas	OD		mm	19.1		22.2		28.6						
	Total piping length	System	Actual	m	500				1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	40		50		63					80	

REYQ10,13,16,18,20,22U



Outdoor unit System + Module				REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1				REYQ16U		REYQ8U		REYQ10U		REYQ12U	REYQ14U		REYQ16U		REYQ18U
	Outdoor unit module 2				REYQ18U	REYQ20U	REYQ12U		REYQ16U						REYQ18U	
	Outdoor unit module 3				-		REYQ18U		REYQ16U					REYQ18U		
Capacity range				HP	34	36	38	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c			kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h			kW	51.1	54.2	58.1	58.9	60.9	62.9	67.0	69.6	74.3	79.0	83.7
	Max.	6°CWB		kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
ηs,c				%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2
ηs,h				%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3
SEER					6.6	6.5	6.8	6.6	6.3		6.2		6.4	6.7	7.0
SCOP					4.4	4.2	4.5		4.3	4.4	4.3			4.4	
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.				-										
	Max.				1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD		mm	191										
	Gas	OD		mm	34.9	41.3									
	HP/LP gas	OD		mm	28.6		34.9								
	Total piping length	System	Actual	m	1,000										
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	80		100					125			

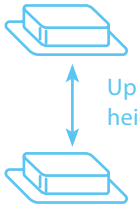
Outdoor unit module				REMQ	5U
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765
Weight	Unit			kg	230
Fan	External static pressure	Max.		Pa	78
Sound power level	Cooling	Nom.		dBA	78.0
Sound pressure level	Cooling	Nom.		dBA	57.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0
	Heating	Min.~Max.		°CWB	-20.0~15.5
Refrigerant	Type/GWP				R-410A/2,087.5
	Charge			kg/TCO2Eq	9.7/20.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%)

VRV IV+ heat pump

Daikin's optimum solution with top comfort

- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Available as heating only by irreversible field setting
- Contains all standard VRV features



ErP 2021 COMPLIANT

Already fully compliant
to LOT 21 - Tier 2

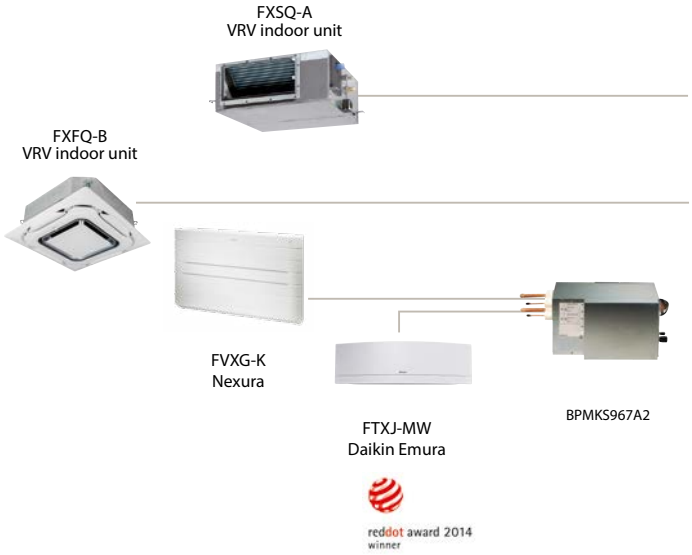
Published data with real-life indoor units

Access all technical information on RYYQ-U at my.daikin.eu or click here

Access all technical information on RXYQ-U at my.daikin.eu or click here

Outdoor unit				RYYQ/RXYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4 x FXFQ50AVEB	4 x FXFQ63AVEB	6 x FXFQ50AVEB	1 x FXFQ50AVEB + 5 x FXFQ63AVEB	4 x FXFQ63AVEB + 2 x FXFQ80AVEB	3 x FXFQ50AVEB + 5 x FXFQ63AVEB	2 x FXFQ50AVEB + 6 x FXFQ63AVEB
ηs,c				%	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h				%	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER					7.6	6.8	6.3		6.0		5.9
SCOP					4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	252 (RYYQ) / 198 (RXYQ)			319 (RYYQ) / 275 (RXYQ)		378 (RYYQ) / 308 (RXYQ)	
Sound power level	Cooling	Nom.		dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.		dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0						
	Heating	Min.~Max.		°CWB	-20.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	10.4/21.7	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD		mm	9.52			12.7		15.9	
	Gas	OD		mm	19.1	22.2		28.6			
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit System				RYYQ/RXYQ	22U	24U	26U	28U	30U	32U	34U	36U	38U
System	Outdoor unit module 1				10	8		12			16		8
	Outdoor unit module 2				12	16	14	16	18	16	18	20	10
	Outdoor unit module 3				-								20
Capacity range				HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c			kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h			kW	34.4	36.9	39.0	41.6	46.3	46.4	51.1	54.2	60.7
	Max.	6°CWB		kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended combination					6 x FXFQ50AVEB + 4 x FXFQ63AVEB	4 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	7 x FXFQ50AVEB + 5 x FXFQ63AVEB	6 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	9 x FXFQ50AVEB + 5 x FXFQ63AVEB	8 x FXFQ63AVEB + 4 x FXFQ80AVEB	3 x FXFQ50AVEB + 9 x FXFQ63AVEB + 2 x FXFQ80AVEB	2 x FXFQ50AVEB + 10 x FXFQ63AVEB + 2 x FXFQ80AVEB	6 x FXFQ50AVEB + 10 x FXFQ63AVEB
ηs,c				%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4
ηs,h				%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5
SEER					6.9	6.8	6.7	6.5		6.4		6.3	6.9
SCOP					4.4	4.3	4.2		4.3	4.2		4.1	4.3
Maximum number of connectable indoor units					64 (1)								
Indoor index connection	Min.				275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
	Nom.				-								
	Max.				715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0
Piping connections	Liquid	OD		mm	15.9		19.1						
	Gas	OD		mm	28.6	34.9						41.3	
	Total piping length	System	Actual	m	1,000								
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80				100



RYYQ8-12U/RXYQ8-12U

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS
Daikin Emura - Wall mounted unit	FTXJ-MW/MS	•	•	•		•
Stylish - Wall mounted unit	FTXA-A	•	•	•	•	•
Nexura - Floor standing unit	FVXG-K		•	•		•
Floor standing unit	FVXM-F		•	•		•

BPMKS box needed to connect RA indoors to VRV IV

Outdoor unit System			RYYQ/RXYQ	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1			10		12	14		16		18
	Outdoor unit module 2			12	16					18	
	Outdoor unit module 3			18	16				18		
Capacity range			HP	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	62.3	62.4	64.8	67.0	69.6	74.3	79.0	83.7
	Max.	6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended combination				9 x FXFQ50AVEB + 9 x FXFQ63AVEB	12 x FXFQ63AVEB + 4 x FXFQ80AVEB	6 x FXFQ50AVEB + 8 x FXFQ63AVEB + 4 x FXFQ80AVEB	1 x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB	12 x FXFQ63AVEB + 6 x FXFQ80AVEB	3 x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB	6 x FXFQ50AVEB + 14 x FXFQ63AVEB + 2 x FXFQ80AVEB	9 x FXFQ50AVEB + 15 x FXFQ63AVEB
ηs,c			%	263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h			%	170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER				6.7	6.6	6.5	6.4				
SCOP				4.3	4.2		4.1		4.2	4.3	
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.			-							
	Max.			1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	19.1							
	Gas	OD	mm	41.3							
	Total piping length	System Actual	m	1,000							
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)		A	100				125			

Outdoor unit module for continuous heating combinations			RYMQ	8U	10U	12U	14U	16U	18U	20U
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	198			275		308	
Fan	External static pressure	Max.	Pa	78						
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	80.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.	dBA	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~43.0						
	Heating	Min.~Max.	°CWB	-20.0~15.5						
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40		50

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%)

VRV IV S-series heat pump

Now also available with R-32 refrigerant!

RXYSCQ-TV1 / RXYSQ-TV9 / RXYSQ-TY(9)

Variable Refrigerant Temperature

CERTIFIED RECLAIMED REFRIGERANT ALLOCATION

A wide range, big on features

They may be discreet, but Daikin VRV IV S-series units stand out when it comes to benefits they deliver. They provide the perfect indoor climate, while remaining totally discreet from the outside. If you need efficient and effective air conditioning from a completely unnoticeable unit, look no further.

Features

- A wide range of stylish residential or commercial indoor units can be connected
- A total air conditioning solution integrating air handling units and/or air curtains
- Complete reliability thanks to refrigerant-cooled PCB
- Suitable for bigger projects of up to 150 to 200m²
- Light weight unit (down to 88kg) is easy to install and handle
- A perfect match for any application thanks to the wide range of small-footprint units
- Widest range of front blow units on the market

Total solution

Daikin Emura wall mounted unit

Fully flat cassette

Biddle air curtain

Nexura Floor standing unit

Air handling unit for ventilation

8-10-12HP (three phase)

4-5-6HP (single & three phase)

4-5-6HP (single phase)

NEW

Most compact unit on the market 823mm high & 88kg

823mm

Compact: Easy for a two person crew to move and install.

YouTube

www.youtube.com/DaikinEurope

VRV IV S-series compact heat pump

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Night quiet mode reduces sound pressure with up to 8dBa
- Contains all standard VRV features

RXYSCQ-TV1

Only 823mm high!

ErP 2021 COMPLIANT

Already fully compliant

to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-MW/MS		●	●	●		●		
Stylish - Wall mounted unit	FTXA-A		●	●	●	●	●		
Perfera - Wall mounted unit	CTXM-N / FTXM-N	●	●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	
Nexura - Floor standing unit	FVXG-K			●	●		●		
Floor standing unit	FVXM-F			●	●		●		
Concealed floorstanding unit	FNA-A9			●	●		●	●	

Access all technical information on RXYSCQ-TV1 at my.daikin.eu or click here

NEW

Outdoor unit			RXYSCQ	4TV1	5TV1	6TV1
Capacity range			HP	4	5	6
Cooling capacity	Prated,c		kW	12.1	14.0	15.5
Heating capacity	Prated,h		kW	8.4	9.7	10.7
	Max.	6°CWB	kW	14.2	16.0	18.0
Recommended combination				3 x FXSQ25A2VEB + 1 x FXSQ32A2VEB	4 x FXSQ32A2VEB	2 x FXSQ32A2VEB + 2 x FXSQ40A2VEB
ηs,c			%	322.8	303.4	281.3
ηs,h			%	182.3	185.1	186.0
SEER				8.1	7.7	7.1
SCOP				4.6	4.7	
Maximum number of connectable indoor units				64		
Indoor index connection	Min.			50.0	62.5	70.0
	Nom.			-		
	Max.			130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth	mm	823x940x460		
Weight	Unit		kg	89		
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0	53.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~46.0		
	Heating	Min.~Max.	°CWB	-20.0~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	3.7/7.7		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Total piping length	System Actual	m	300		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A	32		

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

VRV IV S-series heat pump

Space saving solution without compromising on efficiency

- Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Wide range of units (4 to 12HP) suitable for projects up to 200m^2 with space limitations
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features

RXYSQ4-6TV9_TY9

By choosing this product with Certified Reclaimed Refrigerant Allocation you support the re-use of refrigerant

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

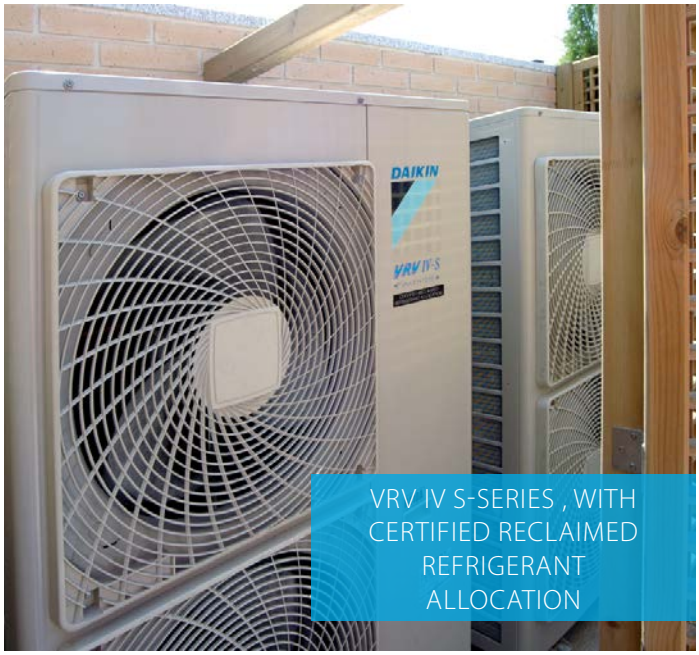
		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-MW/MS		•	•	•		•		
Stylish - Wall mounted unit	FTXA-A		•	•	•	•	•		
Perfera - Wall mounted unit	CTXM-N / FTXM-N	•	•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXM-F			•	•		•		
Concealed floorstanding unit	FNA-A9			•	•		•	•	

Access all technical information on RXYSQ-TV9 at my.daikin.eu or click here

Outdoor unit			RXYSQ/RXYSQ/RXYSQ	4TV9	5TV9	6TV9	4TY9	5TY9	6TY9	8TY1	10TY1	12TY1
Capacity range			HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	Prated,h		kW	8.0	9.2	10.2	8.0	9.2	10.2	14.9	19.6	23.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6.3		6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number of connectable indoor units				64								
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
	Nom.			-								
	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320						1,430x940x320	1,615x940x460	
Weight	Unit		kg	104						144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51.0		50.0	51.0		55.0		57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~46.0						-5.0~52.0		
	Heating	Min.~Max.	°CWB	-20.0~15.5								
Refrigerant	Type/GWP			R-410A/2,087.5								
	Charge		kg/TCO2Eq	3.6/7.5						5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	Liquid	OD	mm	9.52								12.7
	Gas	OD	mm	15.9		19.1	15.9		19.1		22.2	25.4
	Total piping length	System Actual	m	300								
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	32			16			25		32

Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

PIPE RUN OF 70m ALLOWS
INSTALLATION AWAY FROM THE HOUSE


VRV IV S-SERIES , WITH
CERTIFIED RECLAIMED
REFRIGERANT
ALLOCATION

PARAPET INSTALLATION

OFFICE ROOFTOP INSTALLATION

VRV IV heat pump for indoor installation

SB.RKXYQ-T(8)

Keep looking you'll never find me

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

Invisible

› Completely invisible only the grilles are visible
› Seamless integration into surrounding architecture
› Highly suited to densely populated areas thanks to the low operation sound

Intuitive

› Total flexibility as the outdoor unit is split up in 2 parts
› Easy and quick to transport and install by just 2 persons
› Easy servicability, all components can be easily reached

Intelligent

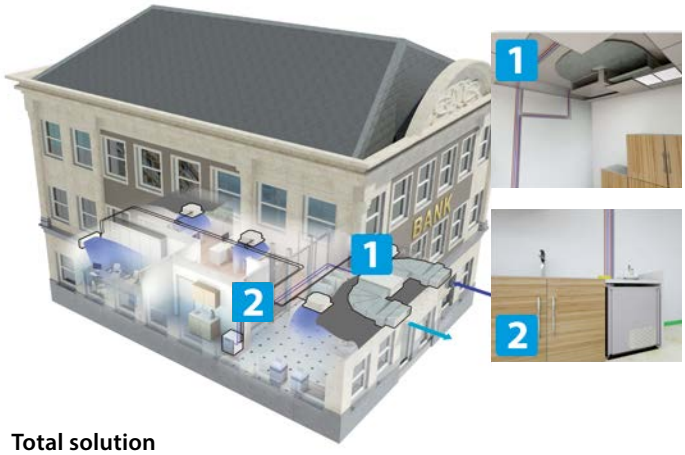
› Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
› Connectable to all VRV indoor units
› Provides a total solution when combined with ventilation units, Biddle air curtains and controls

Unique concept with 5 patents

Variable Refrigerant Temperature

Invisible

Unique outdoor unit in 2 parts

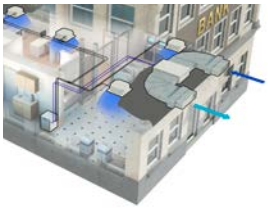


Total solution

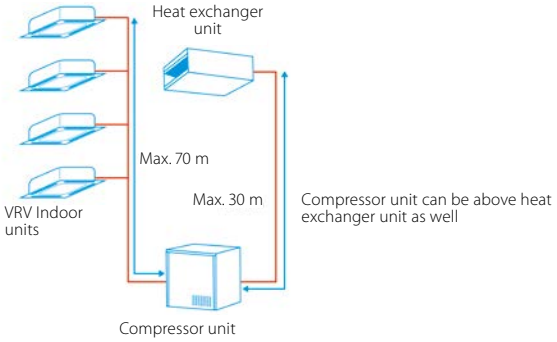
VRV IV heat pump for indoor installation

The invisible VRV

› Unique VRV heat pump for indoor installation



› Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor



› Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
› Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors

SB.RKXYQ5T8

› Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
› Lightweight units (max. 105kg) can be installed by two people
› Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
› Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
› Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
› Contains all standard VRV features

ErP 2021 COMPLIANT
Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Access all technical information on SB-RKXYQ-T at my.daikin.eu or click here

Access all technical information on SB-RKXYQ-T(8) at my.daikin.eu or click here

System					5T8	8T
System	Heat exchanger unit				RDXYQ5T8	RDXYQ8T
	Compressor unit				RKXYQ5T8	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Prated,c			kW	14.0	22.4
Heating capacity	Prated,h			kW	10.4	12.9
	Max.	6°CWB		kW	16.0	25.0
Recommended combination					4 x FXSQ32A2VEB	4 x FXMQ50P7VEB
ηs,c				%	200.1	191.1
ηs,h				%	149.3	140.9
SEER					5.1	4.9
SCOP					3.8	3.6
Maximum number of connectable indoor units					10	17
Indoor index connection	Min.				62.5	100.0
	Nom.				-	
	Max.				162.5	260.0
Piping connections	Liquid	OD		mm	-	
	Gas	OD		mm	-	
	Between Compressor module (CM) and heat exchanger module (HM)	Liquid	OD	mm	12.7	
		Gas	OD	mm	19.1	22.2
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.52	
		Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140	300

					Heat exchanger module - RDXYQ		Compressor module - RKXYQ	
Outdoor unit module					**5T8**	**8T**	**5T8**	**8T**
Dimensions	Unit	HeightxWidthxDepth		mm	397x1,456x1,044		701x600x554	701x760x554
Weight	Unit			kg	95	103	79	105
Fan	Air flow rate	Cooling	Nom.	m^3/min	55	100	-	
Sound power level	Cooling	Nom.		dBA	77.0	81	60.0	64
Sound pressure level	Cooling	Nom.		dBA	47.0	54	47.0	48
Refrigerant	Type/GWP				R-410A/-		R-410A/2,087.5	
	Charge			kg/TCO2Eq	-/-		2.00/4.20	4.00/8.35
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	10		16	20

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

VRV IV+ heat pump, optimised for cold climates

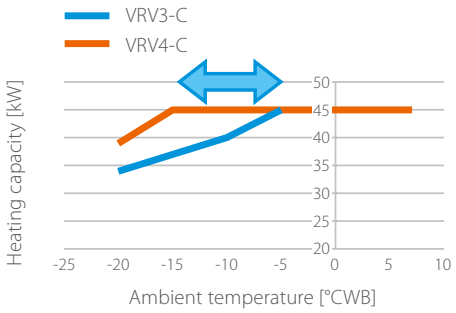
RXYLQ-T

Variable Refrigerant Temperature

Where heating is priority without compromising on efficiency

High heating capacity at low ambient temperatures

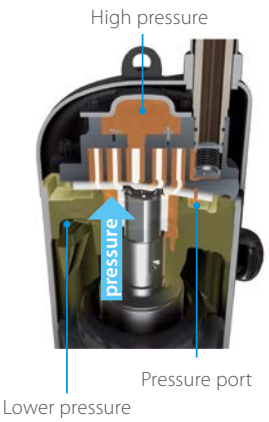
› Stable heating capacity available down to -15°C WB!

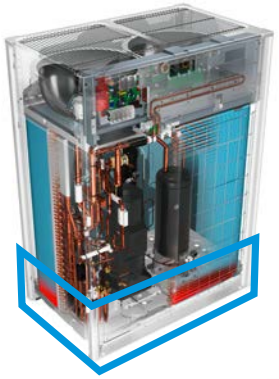


High partial load efficiency

› New vapour injection scroll compressor optimised for low load
- UNIQUE back-pressure control: Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak and increasing efficiency
- UNIQUE Injection structure with check valve: Prevents volume backflow during low load operation typically occuring with standard vapour injection compressors

› Variable Refrigerant Temperature adjusts refrigerant temperature to match the load





High reliability down to -25°C WB

› Hot gas bypass prevents ice buildup at the bottom of the heat exchanger

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

High seasonal efficiency

› **Measured with indoor units for real applications!**
› ALL information for indoor units used available on our eco-design website: Already fully compliant https://energylabel.daikin.eu/eu/en_US/lot21.html

Variable Refrigerant Temperature

The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ VRV configurator

Total solution

Daikin Emura
Wall mounted unit

Nexura
Floor standing unit

Fully flat cassette

Biddle air curtain

intelligent touch Manager

Air handling unit for ventilation

Low temperature hydrobox

VRV heat pump optimised for heating

Where heating is priority without compromising on efficiency

- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- Stable heating capacity down to -15°C, thanks to vapour injection compressor
- Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Very economical solution as a smaller outdoor unit model can be used compared to the standard series

Access all technical information on RXYLQ-T at my.daikin.eu or click here

- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- Less installation time and smaller footprint
  compared to previous model thanks to removal of function unit

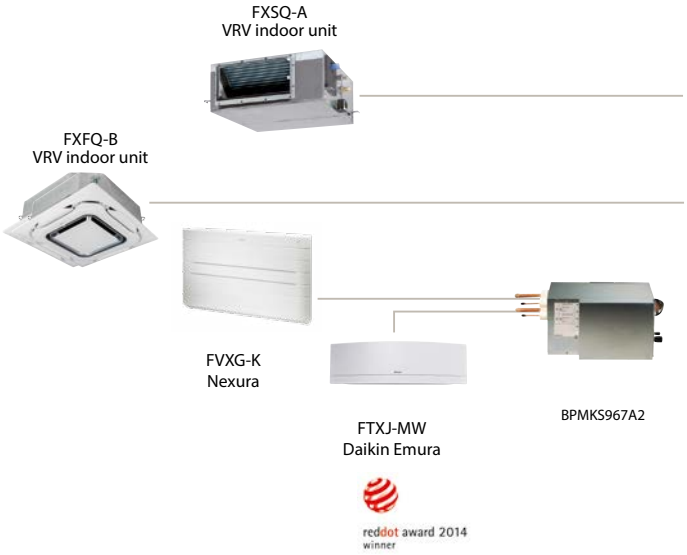
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				RXYLQ	10T	12T	14T
Capacity range				HP	10	12	14
Cooling capacity	Prated,c			kW	28	33.5	40
Heating capacity	Prated,h			kW	31.5	37.5	45
	Max.	6°CWB		kW	31.50	37.50	45.00
Recommended combination					4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
ηs,c				%	251.4	274.4	270.1
ηs,h				%	144.3	137.6	137.1
SEER					6.36	6.93	6.83
SCOP					3.68	3.51	3.5
Maximum number of connectable indoor units					64 (1)		
Indoor index connection	Min.				175	210	245
	Nom.				250	300	350
	Max.				325	390	455
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x1,240x765		
Weight	Unit			kg	302		
Sound power level	Cooling	Nom.		dBA	77	81	81
Sound pressure level	Cooling	Nom.		dBA	56	59	59
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0		
	Heating	Min.~Max.		°CWB	-25.0~16.0		
Refrigerant	Type/GWP				R-410A/2,087.5		
	Charge			kg/TCO2Eq	11.8/24.6		
Piping connections	Liquid	OD		mm	9.5	12.7	
	Gas	OD		mm	22.2	28.6	
	Total piping length	System	Actual	m	500		
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	25	32	

Outdoor unit				RXYLQ	16T	18T	20T	22T	24T	26T	28T
System	Outdoor unit module 1				RXMLQ8T	RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor unit module 2				RXMLQ8T	RXMLQ8T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
Capacity range				HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	44.8	50.4	56	61.5	67	73.5	80
Heating capacity	Prated,h			kW	-						
	Max.	6°CWB		kW	50	56.5	63	69	75	82.5	90
Recommended combination					4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	3 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	2 x FXMQ50P7VEB + 6 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	7 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB
ηs,c				%	261.8	255.7	251.4	263.0	274.4	270.8	270.1
ηs,h				%	138.0	140.5	144.3	140.3	137.6	137.1	137.1
SEER					3.52	3.59	3.68	3.58	3.51	3.50	3.50
SCOP					6.62	6.47	6.36	6.65	6.93	6.84	6.83
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				280	315	350	385	420	455	490
	Nom.				400	450	500	550	600	650	700
	Max.				520	585	650	715	780	845	910
Piping connections	Liquid	OD		mm	12.7	15.9	15.9	15.9	15.9	19.1	
	Gas	OD		mm	28.6	28.6	28.6	28.6	34.9		
	Total piping length	System	Actual	m	500						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	40	45	50	60			



RXYLQ-T

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS
Daikin Emura - Wall mounted unit	FTXJ-MW/MS	•	•	•		•
Stylish - Wall mounted unit	FTXA-A	•	•	•	•	•
Nexura - Floor standing unit	FVXG-K		•	•		•
Floor standing unit	FVXM-F		•	•		•

BPMKS box needed to connect RA indoors to VRV IV

Outdoor unit			**RXYLQ**	**30T**	**32T**	**34T**	**36T**	**38T**	**40T**	**42T**
System	Outdoor unit module 1			RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor unit module 2			RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
	Outdoor unit module 3				RXYLQ12T			RXYLQ14T		
Capacity range			HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	84	89,5	95	101	107	114	120
Heating capacity	Prated,h		kW	-						
	Max.	6°CWB	kW	94,5	100,5	106,5	112,5	120	127,5	135
Recommended combination				9 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	8 x FXMQ63P7VEB + 4 x FXMQ80P7VEB	3 x FXMQ50P7VEB + 9 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	2 x FXMQ50P7VEB + 10 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	6 x FXMQ50P7VEB + 10 x FXMQ63P7VEB	9 x FXMQ50P7VEB + 9 x FXMQ63P7VEB	12 x FXMQ63P7VEB + 4 x FXMQ80P7VEB
ηs,c			%	251.4	259.1	266.8	274.4	271.6	270.3	270.1
ηs,h			%	144.3	141.6	139.2	137.6	137.1	137.1	137.1
SEER				3.86	3.61	3.56	3.51	3.50	3.50	3.50
SCOP				6.36	6.55	6.74	6.93	6.86	6.83	6.83
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			525	560	595	630	665	700	735
	Nom.			750	800	850	900	950	1000	1050
	Max.			975	1040	1105	1170	1235	1300	1365
Piping connections	Liquid	OD	mm	19,1	19,1	19,1	19,1	19,1	19,1	19,1
	Gas	OD	mm	34,9	34,9	34,9	41,3		41,3	
	Total piping length	System Actual	m	500						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	80				90		

Outdoor unit			**RXMLQ**	**8T**
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x1,240x765
Weight	Unit		kg	302
Sound power level	Cooling	Nom.	dBA	75,0
Sound pressure level	Cooling	Nom.	dBA	55,0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~43.0
	Heating	Min.~Max.	°CWB	-25.0~16.0
Refrigerant	Type/GWP			R-410A/2,087.5
	Charge		kg/TCO2Eq	11.8/24.6
Piping connections	Liquid	OD	mm	9.5
	Gas	OD	mm	19.1
	Total piping length	System Actual	m	500
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

(1) Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system

Replacement technology

The quick and quality way of upgrading R-22 and R-407C systems

These benefits will convince your customer

Drastically improve your efficiency, comfort and reliability

Avoid loss of business

Replacing now prevents unplanned, lengthy downtime of air conditioning systems. It also avoids loss of business for shops, complaints from guests in hotels, lower working efficiency and loss of tenants in offices.

Quick and easy installation

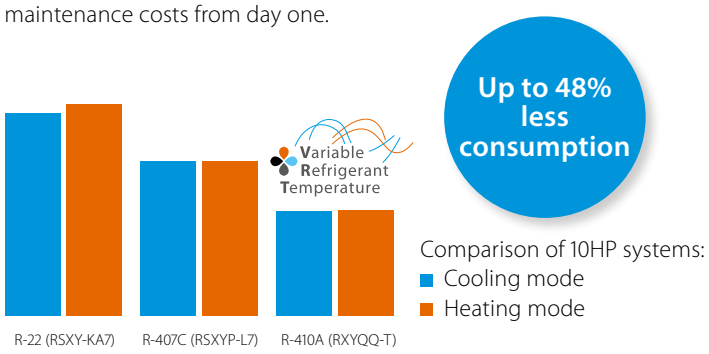
No interruption of daily business while replacing the system thanks to phased-in, fast installation.

Smaller footprint, more performance

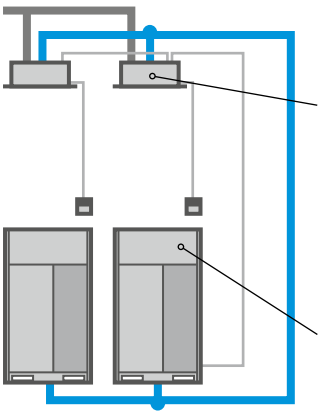
Thanks to a smaller footprint, Daikin outdoor units save space. Also, more indoor units can be connected to the new outdoor unit compared to the old system, allowing to increase capacity.

Lower long-term costs

EU Directives prohibit system repairs with R-22 after January 1, 2015. Delaying the required R-22 replacement until an unplanned system breakdown is a losing game. Replacement day will come. Installing a technically advanced system lowers energy consumption and maintenance costs from day one.



Keep your refrigerant piping



The Daikin low-cost upgrade solution

! Replace indoor units and BS boxes

Contact your local dealer to check compatibility in case you need to keep the indoor units.

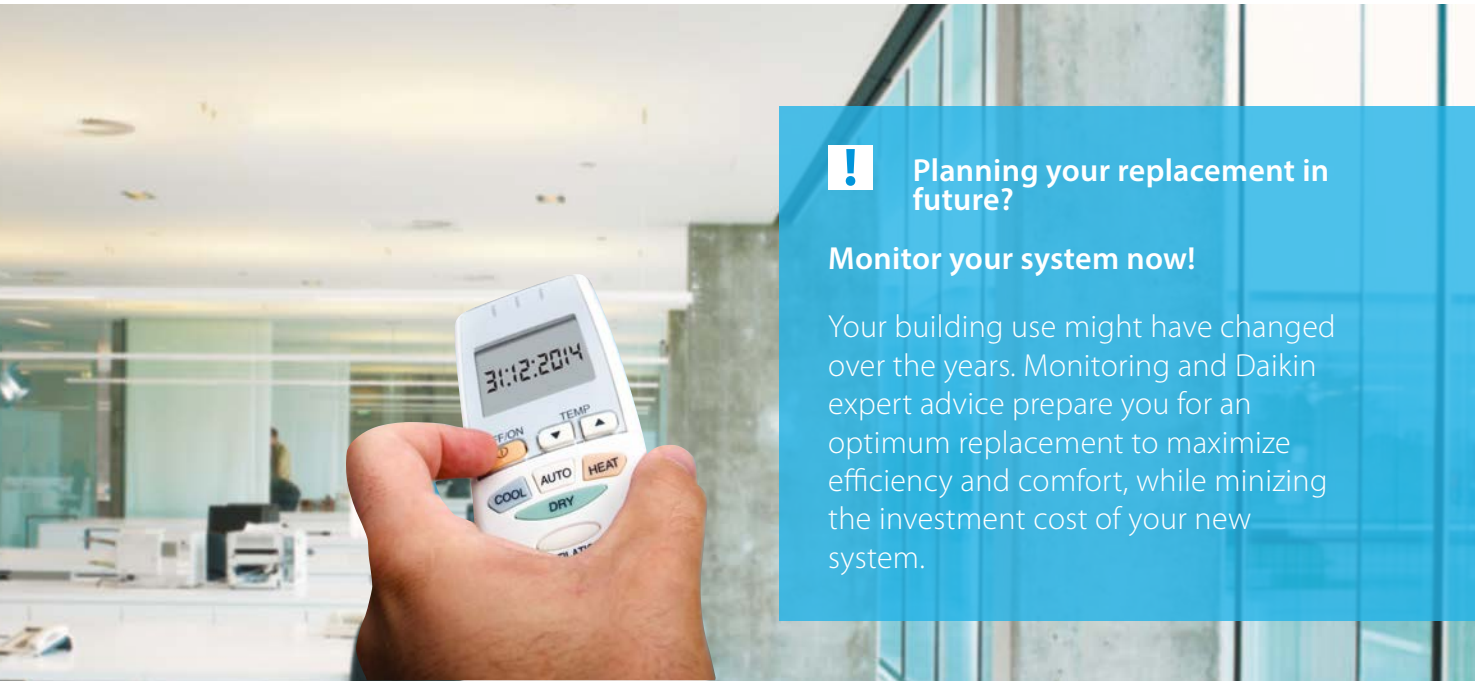
! Replace outdoor units

Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.
- Japan/China have replaced with VRV Q-series already 10 years ago!

Umeda Center Building, Japan

- original A/C system: 20 years in use
- replacement with VRV Q-series: 2006 - 2009
- capacity up from 1620HP to 2322HP
- SHASE renewal award: 2013 (1st)



Planning your replacement in future?

Monitor your system now!

Your building use might have changed over the years. Monitoring and Daikin expert advice prepare you for an optimum replacement to maximize efficiency and comfort, while minizing the investment cost of your new system.

VRV-Q benefits to increase your profit

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems
NON DAIKIN DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

Compare installation steps

Conventional solution	VRV-Q
1 Recover refrigerant	1 Recover refrigerant
2 Remove units	2 Remove units
3 Remove refrigerant pipes	Re-use existing piping and wiring
4 Install new piping and wiring	3 Install new units
5 Install new units	4 Leak test
6 Leak test	5 Vacuum drying
7 Vacuum drying	6 Auromatic refrigerant charging, cleaning and testing
8 Refrigerant charging	
9 Collect contamination	
10 Test operation	

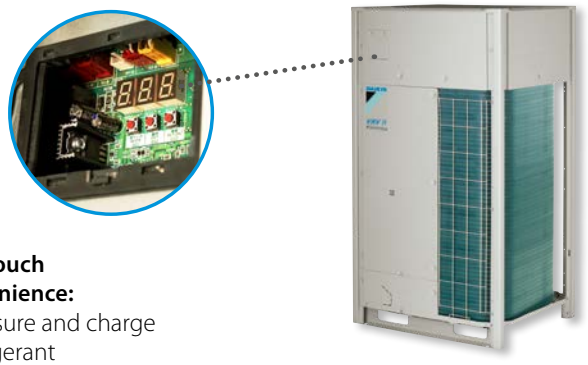
Up to 45% shorter installation time

Automatic refrigerant charge

The unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and ensures that the system will operate perfectly. Not knowing the exact piping lengths because of changes or mistakes in case you didn't do the original installation or replacing a competitor installation no longer poses a problem.

Automatic pipe cleaning

There is no need to clean inside piping as this is handled automatically by the VRV-Q unit. Finally the test operation is performed automatically to save time.



One touch convenience:
- Measure and charge refrigerant
- Automatic pipe cleaning
- Test operation

Replacement VRV, heat recovery

Quick & quality replacement for R-22 and R-407C systems

- Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Possibility to spread the various stages of repclacement thanks to the modular design of the VRV system
- Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contact (RXYQQ-U only)
- Incorporates VRV IV standards & technologies: Variable Refrigerant
- Temperature and full inverter compressors (RXYQQ-U only)
- Free combination of outdoor units to meet installation space or
- efficiency requirements (RXYQQ-U only)

RQCEQ712-848P3

ErP 2021 COMPLIANT

Already fully compliant

to LOT 21 - Tier 2

Published data with real-life indoor units

Access all technical information on RQCEQ-P3 at my.daikin.eu or click here

Outdoor unit System			RQCEQ	280P3	360P3	460P3	500P3	540P3	636P3	712P3	744P3	816P3	848P3
System	Outdoor unit module 1			RQEQ140P3	RQEQ180P3	RQEQ140P3		RQEQ180P3	RQEQ212P3	RQEQ140P3		RQEQ180P3	RQEQ212P3
	Outdoor unit module 2			RQEQ140P3	RQEQ180P3	RQEQ140P3	RQEQ180P3		RQEQ212P3	RQEQ180P3		RQEQ212P3	
	Outdoor unit module 3			-		RQEQ180P3			RQEQ212P3	RQEQ180P3	RQEQ212P3		
	Outdoor unit module 4			-						RQEQ212P3			
Capacity range			HP	10	13	16	18	20	22	24	26	28	30
Cooling capacity	Prated,c		kW	28.0	36.0	46.0	50.0	54.0	60.0	70.0	72.0	78.0	80.0
Heating capacity	Prated,h		kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
Recommended combination				4 x FXMQ63P7VEB	4 x FXMQ50P7VEB + 2 x FXMQ63P7VEB	4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	4 x FXSQ32A2VEB + 8 x FXSQ40A2VEB	12 x FXSQ40A2VEB	3 x FXSQ40A2VEB + 9 x FXSQ50A2VEB	4 x FXSQ32A2VEB + 9 x FXSQ40A2VEB + 3 x FXSQ50A2VEB	4 x FXSQ32A2VEB + 6 x FXSQ40A2VEB + 6 x FXSQ50A2VEB	7 x FXSQ40A2VEB + 9 x FXSQ50A2VEB	4 x FXSQ40A2VEB + 12 x FXSQ50A2VEB
ηs,c			%	200	185	191	201	198	186	194		204	187
ηs,h			%	159	157	161	150	148	157	153	155		157
SEER				-									
SCOP				-									
Maximum number of connectable indoor units				21	28	34	39	43	47	52	56	60	64
Indoor index connection	Min.			140	180	230	250	270	318	356	372	408	424
	Nom.			280	360	500		540	636	712	744	816	848
	Max.			364	468	598	650	702	827	926	967.0	1,061	1,102
Piping connections	Liquid	OD	mm	9.52	12.7		15.9				19.1		
	Gas	OD	mm	22.2	25.4	28.6					34.9		
	Total piping length	System Actual	m	300									
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400									
Current - 50Hz	Maximum fuse amps (MFA)		A	30	40	50	60		70	80		90	

Outdoor unit module			RQEQ-P3	140P3	180P3	212P3
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Fan	Air flow rate	Cooling Nom.	m^3/min	95	110	
	Type			Propeller fan		
Sound power level	Cooling	Nom.	dBA	79	83	87
Sound pressure level	Cooling	Nom.	dBA	-		
Operation range	Cooling	Min.~Max.	°CDB	-5~43		
	Heating	Min.~Max.	°CWB	-20~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	10.3/21.5	10.6/22.1	11.2/23.4
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	22.5

Replacement VRV, heat pump

RXYQQ8-12U

Access all technical information on RQYQ-P at my.daikin.eu or click here

Access all technical information on RXYQQ-U at my.daikin.eu or click here

Outdoor unit				RXYQQ/RQYQ-P	140P	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	5	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	16.0	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	-	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended combination					4 x FXSQ32A2VEB	4 x FXFQ50AVEB	4 x FXFQ63AVEB	6 x FXFQ50AVEB	1 x FXFQ50AVEB + 5 x FXFQ63AVEB	4 x FXFQ63AVEB + 2 x FXFQ80AVEB	3 x FXFQ50AVEB + 5 x FXFQ63AVEB	2 x FXFQ50AVEB + 6 x FXFQ63AVEB
ηs,c				%	194	302.4	267.6	247.8	250.7	236.5	238.3	233.7
ηs,h				%	137	167.9	168.2	161.4	155.4	157.8	163.1	156.6
SEER					-	7.6	6.8	6.3		6.0		5.9
SCOP					-	4.3		4.1	4.0		4.2	4.0
Maximum number of connectable indoor units					10	64 (1)						
Indoor index connection	Min.				62.5	100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				125	-						
	Max.				162.5	260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	175	198			275		308	
Fan	Air flow rate	Cooling	Nom.	m^3/min	95	-						
Sound power level	Cooling	Nom.		dBA	79	78.0	79.1	83.4	80.9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.		dBA	-	57.0		61.0	60.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.		°CDB	-5~43	-5.0~43.0						
	Heating	Min.~Max.		°CWB	-20~15.5	-20.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	11.1/23.2	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	11.3/23.6	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD		mm	9.52	9.52		12.7			15.9	
	Gas	OD		mm	15.9	19.1	22.2	28.6				
	Total piping length	System	Actual	m	300							
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	15	20	25	32		40		50

Outdoor unit System + Module				RXYQQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U	42U
System	Outdoor unit module 1				RXYQQ10U	RXYQQ8U	RXYQQ12U			RXYQQ16U			RXYQQ8U	RXYQQ10U	
	Outdoor unit module 2				RXYQQ12U	RXYQQ16U	RXYQQ14U	RXYQQ16U	RXYQQ18U	RXYQQ16U	RXYQQ18U	RXYQQ20U	RXYQQ10U	RXYQQ12U	RXYQQ16U
	Outdoor unit module 3				-								RXYQQ20U	RXYQQ18U	RXYQQ16U
Capacity range				HP	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Prated,c			kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4	111.9	118.0
Heating capacity	Prated,h			kW	34.4	36.9	39.0	41.6	46.3	46.4	51.1	54.2	60.7	62.3	62.4
	Max.	6°CWB		kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5	125.5	131.5
Recommended combination					6 x FXFQ50AVEB + 4 x FXFQ63AVEB	4 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	7 x FXFQ50AVEB + 5 x FXFQ63AVEB	6 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB	9 x FXFQ50AVEB + 5 x FXFQ63AVEB	8 x FXFQ63AVEB + 4 x FXFQ80AVEB	3 x FXFQ50AVEB + 9 x FXFQ63AVEB + 2 x FXFQ80AVEB	2 x FXFQ50AVEB + 10 x FXFQ63AVEB + 2 x FXFQ80AVEB	6 x FXFQ50AVEB + 10 x FXFQ63AVEB	9 x FXFQ50AVEB + 9 x FXFQ63AVEB	12 x FXFQ63AVEB + 4 x FXFQ80AVEB
ηs,c				%	274.5	269.9	264.2	257.8	256.8	251.7	253.3	250.8	272.4	263.5	261.2
ηs,h				%	171.2	167.0	164.6	166.0	169.8	163.1	166.2	162.4	167.5	170.0	165.5
SEER					6.9	6.8	6.7	6.5		6.4		6.3	6.9	6.7	6.6
SCOP					4.4	4.3	4.2		4.3	4.2		4.1	4.3		4.2
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Nom.				-										
	Max.				715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0	1,300.0	1,365.0
Piping connections	Liquid	OD		mm	15.9		19.1								
	Gas	OD		mm	28.6	34.9						41.3			
	Total piping length	System	Actual	m	300										
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80				100		

Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%)

Water-to-air heat pump

Welcome a new range of features

More flexibility

› Mixed connection of HT hydroboxes and VRV indoor units
› Connects to stylish indoor units such as Daikin Emura, Nexura, … (no mixed connection with other indoors possible)
› Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
› Extended piping length up 165m (actual)
› Extended indoor unit height difference to 30m

More capacity

› Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

Easier commissioning & customisation

› 7 segment display
› 2 analogue input signals allowing external control of
- ON-OFF (e.g. compressor)
- Operation mode (cooling / heating)
- Limit of capacity
- Error signal

Most compact casing in the market!

8 to 14 HP | 16 to 28 HP | 30 to 42 HP

Unique zero heat dissipation principle

› No need for ventilation or cooing in the technical room
› Control heat dissipation to achive maximum efficiency: set target technical room temperature and unit regulates actual heat dissipation

Total solution

Daikin Emura
wall mounted unit

Nexura
Floor standing unit

Fully flat cassette

Biddle air curtain

Air handling unit for ventilation

Low temperature hydrobox

High temperature hydrobox

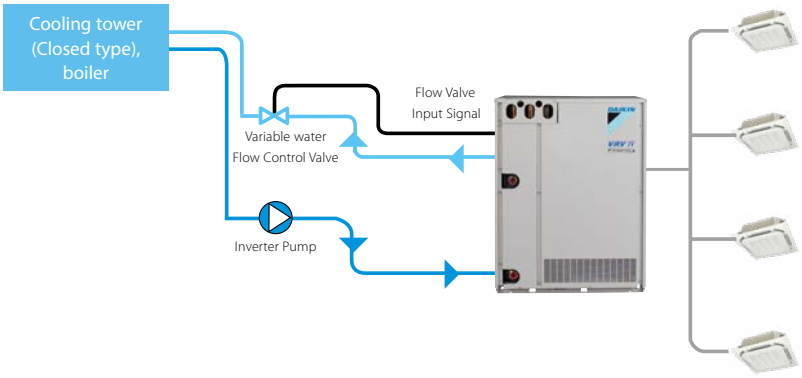
With all existing standard functions

Indoor installation makes unit invisible from the outside

- Seamless integration in the surrounding architecture as you cannot see the unit
- Highly suited for sound sensitive areas as there is no external operation sound
- Very flexible indoor installation as there is no heat dissipation
- Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation

Variable water flow control

- The variable water flow control option reduces excessive energy use by the circulation pump.
- By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- Via 0~10 volt



Lower refrigerant concentration levels

Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

The refrigerant levels remain limited thanks to:

- limited distance between outdoor and indoor unit
- modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port

BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16

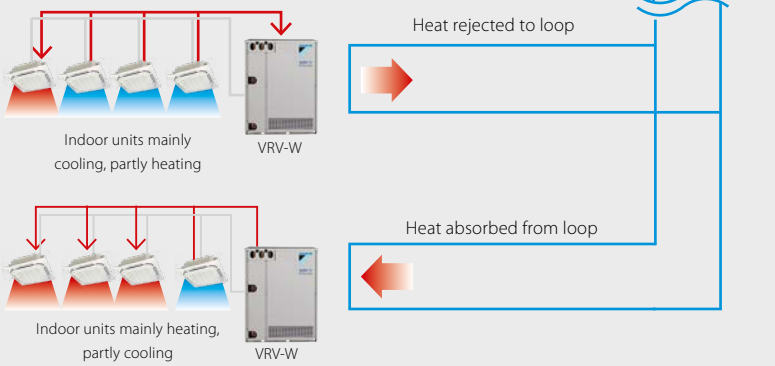
BS 4 Q14 A

BS 6, 8 Q14 A

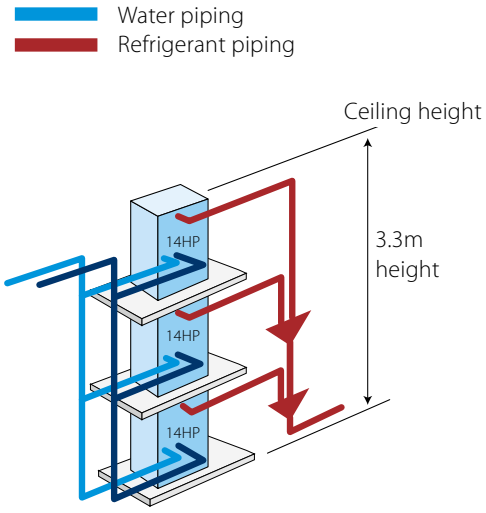
BS 10, 12 Q14 A

BS 16 Q14 A

2-stage heat recovery



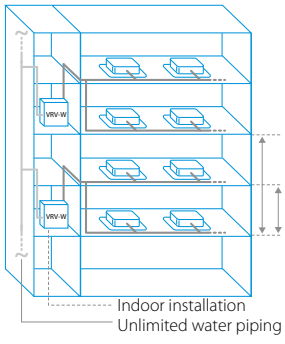
Stacked configuration



VRV IV water cooled+ series

Ideal for high rise buildings, using water as heat source

- Environmental conscious solution: reduced CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexiblity
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0,5m² floorspace
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Unified model for heat pump and heat recovery version and geothermal and standard operation
- Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, …
- Contains all standard VRV features



ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS
Daikin Emura - Wall mounted unit	FTXJ-MW/MS	•	•	•		•
Stylish - Wall mounted unit	FTXA-A	•	•	•	•	•
Nexura - Floor standing unit	FVXG-K		•	•		•
Floor standing unit	FVXM-F		•	•		•

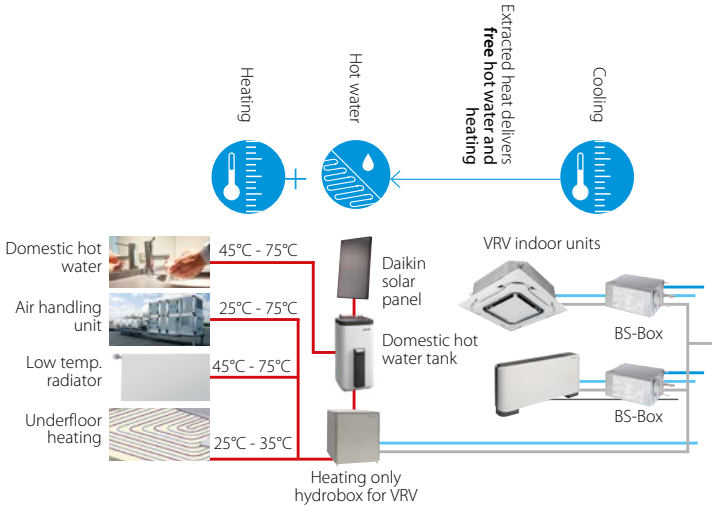
BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

Access all technical information on RWEYQ-T9 at my.daikin.eu or click here

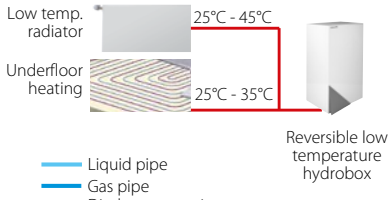
Outdoor unit				RWEYQ	8T9	10T9	12T9	14T9
Capacity range				HP	8	10	12	14
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h			kW	25.0	31.5	37.5	45.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0
Recommended combination					4 x FXMQ50P7VEB	4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
ηs,c				%	326.8	307.8	359.0	330.7
ηs,h				%	524.3	465.9	436.0	397.1
SEER					8.4	7.9	9.2	8.5
SCOP					13.3	11.8	11.1	10.1
Maximum number of connectable indoor units					64 (1)			
Indoor index connection	Min.				100.0	125.0	150.0	175.0
	Nom.				-			
	Max.				300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth		mm	980x767x560			
Weight	Unit			kg	195		197	
Sound power level	Cooling	Nom.		dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.		dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water temperature	Cooling	Min.~Max.	°CDB	10~45			
		Heating	Min.~Max.	°CWB	10~45			
	Temperature around casing	Max.		°CDB	40			
	Humidity around casing	Cooling~Heating	Max.	%	80~80			
Refrigerant	Type/GWP				R-410A/2,087.5			
	Charge			kg/TCO2Eq	7.9/16.5		9.6/20.0	
Piping connections	Liquid	OD		mm	952		127	
	Gas	OD		mm	19.1 (2)	22.2 (2)	28.6 (2)	
	HP/LP gas	OD		mm	15.9 (3) / 19.1 (4)	19.1 (3) / 22.2 (4)	19.1 (3) / 28.6 (4)	22.2 (3) / 28.6 (4)
	Drain	Size			14mm OD/ 10mm ID			
	Water	Inlet/Outlet	Size		ISO 228-G1 1/4 B/ISO 228-G1 1/4 B			
	Total piping length	System	Actual	m	500			
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20		25	

Stage 1 heat recovery between indoor units

Variable Refrigerant Temperature

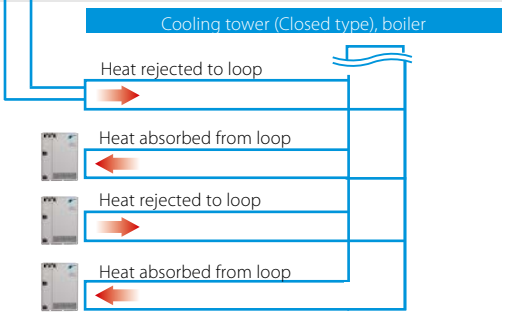


or



Liquid pipe
Gas pipe
Discharge gas pipe
Hot water

Stage 2 heat recovery between outdoor units



* Above system configuration are for illustration purpose only.

Outdoor unit System				RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9
System	Outdoor unit module 1				RWEYQ8T		RWEYQ10T		RWEYQ12T		RWEYQ14T
	Outdoor unit module 2				RWEYQ8T	RWEYQ10T		RWEYQ12T		RWEYQ14T	
Capacity range				HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h			kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max.	6°CWB		kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
ηs,c				%	307.6	308.7	298.1	311.3	342.6	322.5	306.1
ηs,h				%	459.2	491.1	466.8	447.9	434.5	406.9	387.9
SEER					7.9		7.7	8.0	8.8	8.3	7.9
SCOP					11.7	12.5	11.9	11.4	11.1	10.4	9.9
Recommended combination					4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	8 x FXMQ63P7VEB	12 x FXMQ50P7VEB	7 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	2 x FXMQ50P7VEB + 10 x FXMQ63P7VEB
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				200.0	225.0	250.0	275.0	300.0	325.0	350.0
	Nom.				-						
	Max.				600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connections	Liquid	OD		mm	127	159				191	
	Gas	OD		mm	28.6 (2)					34.9 (2)	
	HP/LP gas	OD		mm	22.2 (3) / 28.6 (4)		28.6 (3) / 28.6 (4)	28.6 (3) / 28.6 (4)	28.6 (3) / 34.9 (4)		
	Total piping length	System	Actual	m	500						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	32		35	40		50	

Outdoor unit System				RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9
System	Outdoor unit module 1				RWEYQ10T			RWEYQ12T			RWEYQ14T
	Outdoor unit module 2				RWEYQ10T		RWEYQ12T			RWEYQ14T	
	Outdoor unit module 3				RWEYQ10T	RWEYQ12T			RWEYQ14T		
Capacity range				HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c			kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0
Heating capacity	Prated,h			kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
	Max.	6°CWB		kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0
Recommended combination					12 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 8 x FXMQ63P7VEB	12 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	18 x FXMQ50P7VEB	13 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	8 x FXMQ50P7VEB + 10 x FXMQ63P7VEB	3 x FXMQ50P7VEB 15 x FXMQ63P7VEB
ηs,c				%	308.3	318.2	342.5	352.3	338.8	341.4	332.9
ηs,h				%	467.2	456.1	447.0	438.5	419.4	404.4	391.2
SEER					7.9	8.2	8.8	9.0	8.7		8.5
SCOP					11.9	11.6	11.4	11.2	10.7	10.3	10.0
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Nom.				-						
	Max.				1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0
Piping connections	Liquid	OD		mm	19.1 (2)						
	Gas	OD		mm	34.9			41.3			
	HP/LP gas	OD		mm	28.6 (3) / 34.9 (4)			41.3 (3) / 34.9 (4)			
	Total piping length	System	Actual	m	500						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	50	63				80	

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | (2) In case of heat pump system, gas pipe is not used (3) In case of heat recovery system (4) In case of heat pump system

Individual and multi branch selector box installation

BS1Q-A

Individual branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- Connect up to 250 class unit (28kW)
- **UNIQUE** Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYQ-U, RQCEQ-P3 and RWEYQ-T9 heat recovery units

BS1Q-A

Access all technical information on BS1Q-A at my.daikin.eu or click here

Indoor unit				BS	1Q10A	1Q16A	1Q25A
Power input	Cooling	Nom.		kW	0.005		
	Heating	Nom.		kW	0.005		
Maximum number of connectable indoor units					6	8	
Maximum capacity index of connectable indoor units					15 < x ≤ 100	100<x≤160	160<x≤250
Dimensions	Unit	HeightxWidthxDepth		mm	207x388x326		
Weight	Unit			kg	12		15
Casing	Material				Galvanised steel plate		
Piping connections	Outdoor unit	Liquid	OD	mm	9.5		
		Gas	OD	mm	15.9		22.2
		Discharge gas	OD	mm	12.7		19.1
	Indoor unit	Liquid	OD	mm	9.5		
		Gas	OD	mm	15.9		22.2
Sound absorbing thermal insulation					Foamed polyurethane Flame-resistant needle felt		
Power supply	Phase				1~		
	Frequency			Hz	50		
	Voltage			V	220-240		
	Maximum fuse amps (MFA)			A	15		

BS-Q14AV1B

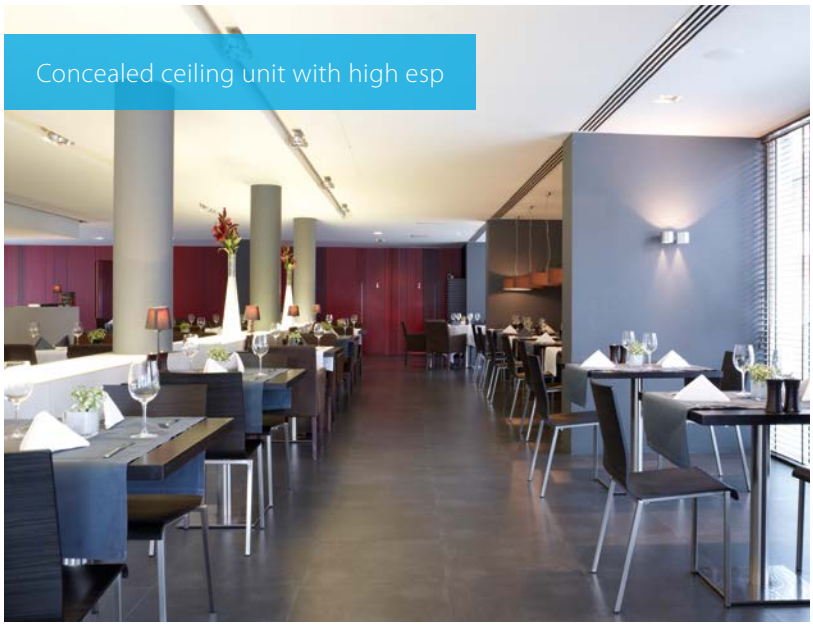
Multi branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- Up to 70% smaller and 66% lighter than previous series
- Faster installation thanks to a reduced number of brazing points and wiring
- All indoor units connectable to one BS box
- Less inspection ports needed compared to installing single BS boxes
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- **UNIQUE** Faster installation thanks to open port connection
- **UNIQUE** Refrigerant filters for high reliability
- Allows multi tenant applications
- Connectable to REYQ-U, RQCEQ-P3 and RWEYQ-T9 heat recovery units

BS6,8Q14AV1B

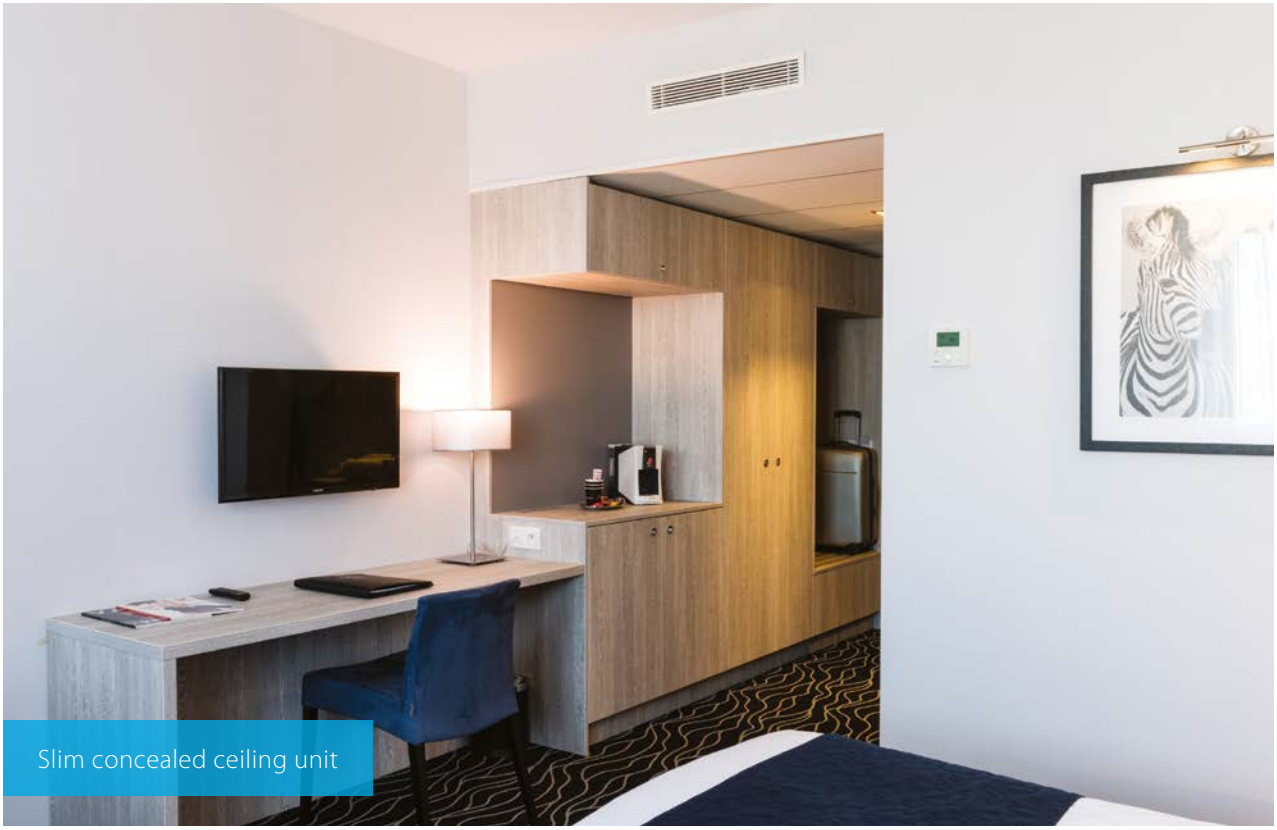
Access all technical information on BS-Q14AV1B at my.daikin.eu or click here

Indoor unit				BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B
Power input	Cooling	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
	Heating	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
Maximum number of connectable indoor units					20	30	40	50	60	64
Maximum number of connectable indoor units per branch					5					
Number of branches					4	6	8	10	12	16
Maximum capacity index of connectable indoor units					400	600	750			
Maximum capacity index of connectable indoor units per branch					140					
Dimensions	Unit	HeightxWidthxDepth		mm	298x370x430	298x580x430		298x820x430		298x1,060x430
Weight	Unit			kg	17	24	26	35	38	50
Casing	Material				Galvanised steel plate					
Piping connections	Outdoor unit	Liquid	OD	mm	9.5	12.7	12.7 / 15.9	15.9	15.9 / 19.1	19.1
		Gas	OD	mm	22.2 / 19.1	28.6 / 22.2	28.6	28.6 / 34.9		34.9
		Discharge gas	OD	mm	19.1 / 15.9	19.1 / 22.2	19.1 / 22.2 / 28.6	28.6		
	Indoor unit	Liquid	OD	mm	9.5 / 6.4					
		Gas	OD	mm	15.9 / 12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
Sound absorbing thermal insulation					Urethane foam, polyethylene foam					
Power supply	Phase				1~					
	Frequency			Hz	50					
	Voltage			V	220-440					
	Maximum fuse amps (MFA)			A	15					



Concealed ceiling unit with high esp

Round flow cassette



Slim concealed ceiling unit

Concealed floor standing unit

Hot water production

Fully flat cassette

Products overview VRV IV

Capacity class (kW)

Type	Model		Product name		15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFQ-B			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZQ-A		●	●	●	●	●	●								
	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces › Depth of all units is 620mm, ideal for narrow ceiling spaces › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor › The flaps close entirely when the unit is not operating › Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A			●	●	●	●	●	●		●		●			
	Ceiling mounted corner cassette	1-way blow unit for corner installation › Compact dimensions enable installation in narrow ceiling voids › Flexible installation thanks to different air discharge options	FXKQ-MA				●	●	●		●							
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDQ-A3		●	●	●	●	●	●	●		Auto cleaning filter option				Multi zoning option	
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A		●	●	●	●	●	●	●		●	●	●	●	Multi zoning option	
	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Reduced energy consumption thanks to DC fan motor › Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7							●	●		●	●	●			
	Concealed ceiling unit with high ESP	ESP up to 270, ideal for extra large sized spaces › Only grilles are visible › Large capacity unit: up to 31.5 kW heating capacity	FXMQ-MB														●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A		●	●	●	●	●	●	●							
Ceiling suspended	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem › Reduced energy consumption thanks to DC fan motor	FXHQ-A					●			●			●				
	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor	FXUQ-A									●		●				
Floor standing	Floor standing unit	For perimeter zone air conditioning › Can be installed in front of glass walls or free standing as both the front and the back are finished › Ideal for installation beneath a window › Requires very little installation space › Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P			●	●	●	●	●	●							
	Concealed floor standing unit	Ideal for installation in offices, hotels and residential applications › Discretely concealed in the wall, leaving only the suction and discharge grilles visible › Can even be installed underneath a window › Requires very little installation space as the depth is only 200mm › High ESP allows flexible installation	FXNQ-A			●	●	●	●	●	●							
Cooling capacity (kW)[1]					1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]					1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

Stylish indoor units overview

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **outdoor unit portfolio** for combination restrictions.

				Capacity class (kW)								Connectable outdoor unit				
Type	**Model**	**Product name**		**15**	**20**	**25**	**35**	**42**	**50**	**60**	**71**	**RYYQ-U**	**RXYQ-U**	**RXYSCQ-TV1[3] RXYSQ-TV9[3] RXYSQ-TY9/TY1[3]**	**RWEYQ-T9[4]**	**RXYLQ-T**
Ceiling mounted cassette	Round flow cassette (incl. auto-cleaning function[1]) ROUND FLOW	FCAG-B					●		●	●				✓		
	Fully flat cassette	FFA-A9				●	●		●	●				✓		
Concealed ceiling	Slim concealed ceiling unit	FDXM-F9				●	●		●	●				✓		
	Concealed ceiling unit with inverter-driven fan	FBA-A(9)					●		●	●	Auto cleaning filter option			✓		
Wall mounted	Daikin Emura Wall mounted unit reddot award 2014 winner	FTXJ-MW/MS			●	●	●		●			✓	✓	✓	✓	✓
	Stylish Wall mounted unit	FTXA-A			●	●	●	●	●			✓	✓	✓	✓	✓
	Perfera Wall mounted unit	CTXM-N FTXM-N		●	●	●	●	●	●	●	●			✓		
Ceiling suspended	Ceiling suspended unit	FHA-A(9)					●		●	●	●			✓		
Floor standing	Nexura floor standing unit	FVXG-K				●	●		●			✓	✓	✓	✓	✓
	Floor standing unit	FVXM-F				●	●		●			✓	✓	✓	✓	✓
	Concealed floor standing unit	FNA-A9				●	●		●	●				✓		

[1] Decoration panel BYCQ140DG9 or BYCQ140DGF9 + BRC1E* or BRC1H* needed

[2] To connect stylish indoor units a BPMKS unit is needed

[3] A mix of RA indoor units and VRV indoor units is not allowed.

[4] Only in heat pump operation

Benefits overview VRV IV

We care		Home leave operation	During absence, indoor comfort levels can be maintained
		Fan only	The air conditioner can be used as fan, blowing air without cooling or heating
		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance
		Floor and presence sensor	The presence sensor directs the air away from any person detected in the room. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature
Air treatment		Air filter	Removes airborne dust particles to ensure a steady supply of clean air
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature
Air flow		Ceiling soiling prevention	The air discharge of the indoor unit is specially designed to prevent air being blown against the ceiling to prevent ceiling stains
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution
		Fan speed steps	Multiple fan speeds to select,to optimize comfort levels
		Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well
Remote control & timer		Weekly timer	Timer can be set to start and stop operation anytime on a daily or weekly basis
		Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit
		Wired remote control	Wired remote control to remotely control your indoor unit
		Centralised control	Centralised control to to control several indoor units from one single point
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other funtcions		Auto-restart	The unit restarts automatically at the original settings after power failure
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies
		Drain pump kit	Facilitates condensation draining from the indoor unit
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the building or for servicing purposes

Ceiling mounted cassette units				Concealed ceiling units				Wall mounted unit	Ceiling suspended units		Floor standing units	
FXFQ-B	**FXZQ-A**	**FXCQ-A**	**FXKQ-MA**	**FXDQ-A3**	**FXSQ-A**	**FXMQ-P7**	**FXMQ-MB**	**FXAQ-A**	**FXHQ-A**	**FXUQ-A**	**FXNQ-A**	**FXLQ-P**
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
●				●								
●	●											
●	●		●							●		
●	●	●		●	●		●					
●	●	●	●	●	●	●	●	●	●	●	●	●
G1 F8 (optional)	G1	●	G1	●	G1 F8 (optional)	●	G1 F8 (optional)	●	G1	G1	G1	G1
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●									
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3 + auto	3 + auto	3 + auto	2	3	3 + auto	3	2	2	3	3 + auto	3	2
●	●									●		
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
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				●	●							
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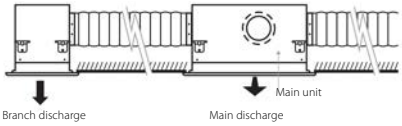
●	●	●	●	●	●	●	●	●	●	●	●	●
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Standard		
●	●	(●)	(●)	●	●	●	(●)	●	(●)	(●)	●	●

ROUND FLOW

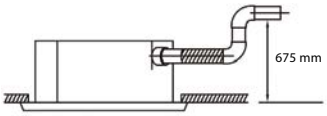
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



- Standard drain pump with 675mm lift increases flexibility and installation speed



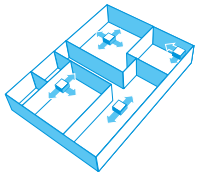
Access all technical information on FXFQ-B at my.daikin.eu or click here

Indoor unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B
Cooling capacity	Total capacity	Nom.		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW	0.04				0.05	0.06	0.09	0.12	0.19
	Heating	Nom.		kW	0.04				0.05	0.06	0.09	0.11	0.18
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	19			20	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950								
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4								
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
		Heating	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
Air filter	Type				Resin net								
Sound power level	Cooling	High		dBA	49			51		53	55	60	61
Sound pressure level	Cooling	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
	Heating	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
Refrigerant	Type/GWP				R-410A/2,087.5								
Piping connections	Liquid	OD		mm	6.35					9.52			
	Gas	OD		mm	12.70					15.90			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB / BRC7FB532F / BRC7FB532FB								
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52								

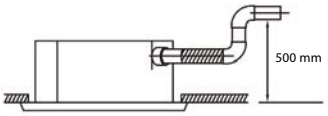
Fully flat cassette

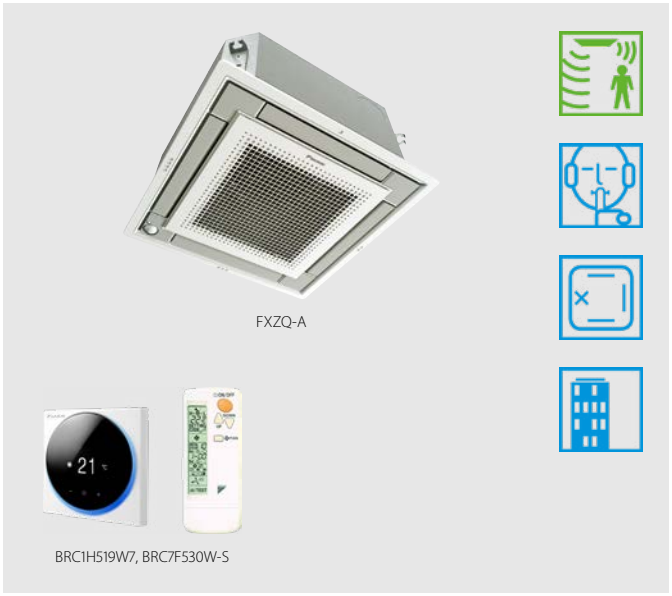
Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed





Access all technical information on FXZQ-A at my.daikin.eu or click here

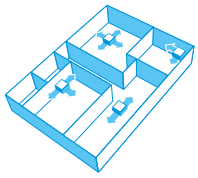
Indoor unit				FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	Nom.		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	Nom.		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	Nom.		kW		0.043		0.045	0.059	0.092
	Heating	Nom.		kW		0.036		0.038	0.053	0.086
Dimensions	Unit	HeightxWidthxDepth		mm			260x575x575			
Weight	Unit			kg		15.5		16.5		18.5
Casing	Material						Galvanised steel plate			
Decoration panel	Model						BYFQ60C2W1W			
	Colour						White (N9.5)			
	Dimensions	HeightxWidthxDepth		mm			46x620x620			
	Weight			kg			2.8			
Decoration panel 2	Model						BYFQ60C2W1S			
	Colour						SILVER			
	Dimensions	HeightxWidthxDepth		mm			46x620x620			
	Weight			kg			2.8			
Decoration panel 3	Model						BYFQ60B2W1			
	Colour						White (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm			55x700x700			
	Weight			kg			2.7			
Decoration panel 4	Model						BYFQ60B3W1			
	Colour						WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm			55x700x700			
	Weight			kg			2.7			
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
		Heating	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
Air filter	Type						Resin net			
Sound power level	Cooling	High		dBA		49	50	51	54	60
Sound pressure level	Cooling	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
	Heating	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
Refrigerant	Type/GWP						R-410A/2,087.5			
Piping connections	Liquid	OD		mm			6.35			
	Gas	OD		mm			12.7			
	Drain						VP20 (I.D. 20/O.D. 26)			
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A			16			
Control systems	Infrared remote control						BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control						BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			

Dimensions do not include control box

2-way blow ceiling mounted cassette

Thin, lightweight design installs easily in narrow corridors

› Depth of all units is 620mm, ideal for narrow spaces
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!

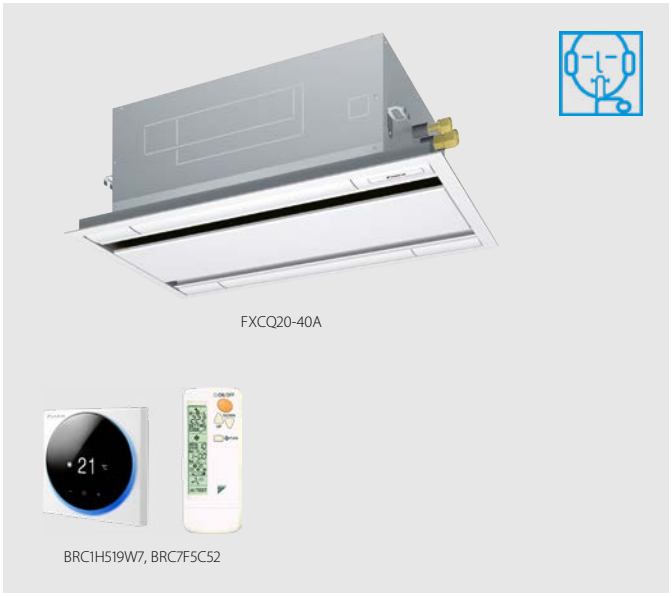


› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing

* Brings in up to 10% of fresh air into the room

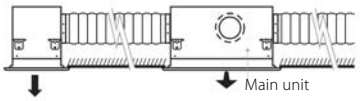
› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› Maintenance operations can be performed by removing the front panel



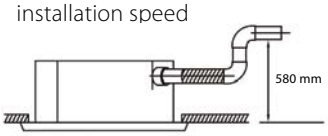
FXCQ20-40A

BRC1H519W7, BRC7F5C52

› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



› Standard drain pump with 580mm lift increases flexibility and installation speed



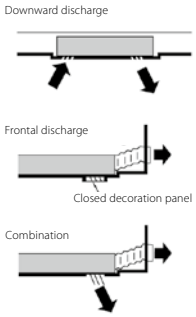
Access all technical information on FXCQ-A at my.daikin.eu or click here

Indoor unit			FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Cooling capacity	Total capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	Total capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input - 50Hz	Cooling	Nom.	kW	0.031	0.039		0.041	0.059	0.063	0.090	0.149
	Heating	Nom.	kW	0.028	0.035		0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxWidthxDepth	mm	305x775x620				305x990x620		305x1,445x620	
Weight	Unit		kg	19				22	25	33	38
Casing	Material			Galvanised steel plate							
Decoration panel	Model			BYBCQ40HW1				BYBCQ63HW1		BYBCQ125HW1	
	Colour			Fresh white (6.5Y 9.5/0.5)							
	Dimensions	HeightxWidthxDepth	mm	55x1,070x700				55x1,285x700		55x1,740x700	
	Weight		kg	10				11		13	
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	7.5/10.5	8/11.5		8.5/12	10.5/15	11.5/16	18.5/26	22.5/32
Air filter	Type			Resin net with mold resistance							
Sound power level	Cooling	Nom./High	dBA	46/48	47/50	48/50	49/52	51/53	53/55	54/58	58/62
Sound pressure level	Cooling	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
	Heating	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
Refrigerant	Type/GWP			R-410A/2,087.5							
Piping connections	Liquid	OD	mm	6.35						9.52	
	Gas	OD	mm	12.7						15.9	
	Drain			VP25 (O.D. 32 / I.D. 25)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)		A	16							
Control systems	Infrared remote control			BRC7C52							
	Wired remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							

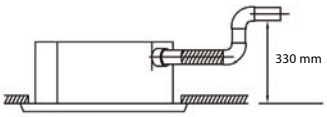
Ceiling mounted corner cassette

1-way blow unit for corner installation

› Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
› Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



› Maintenance operations can be performed by removing the front panel
› Standard drain pump with 330mm lift increases flexibility and installation speed



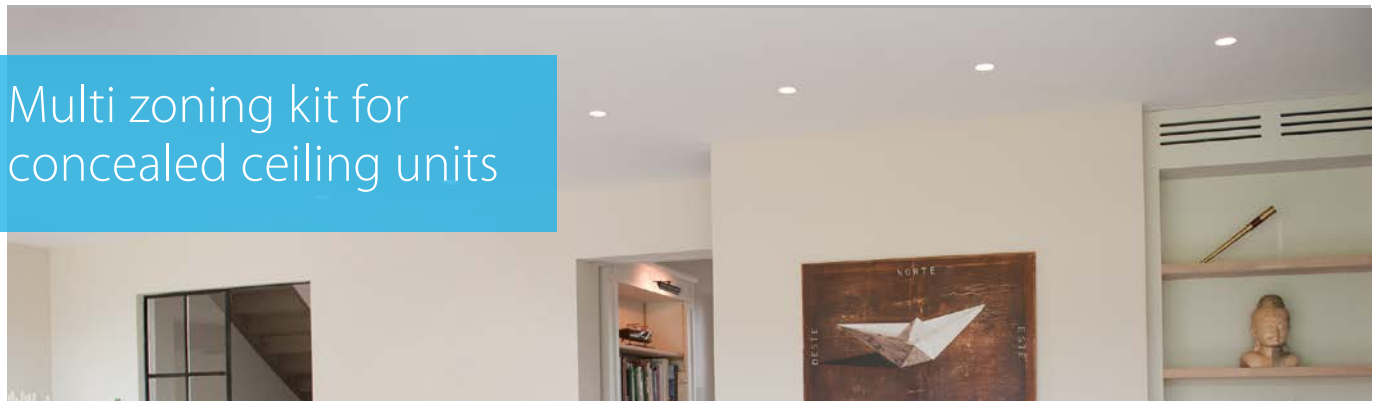
FXKQ-MA

BRC1H519W7, BRC4C61

Access all technical information on FXKQ-MA at my.daikin.eu or click here

Indoor unit				FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	Nom.		kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	Nom.		kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	Nom.		kW	0.066		0.076	0.105
	Heating	Nom.		kW	0.046		0.056	0.085
Dimensions	Unit	HeightxWidthxDepth		mm	215x1,110x710			215x1,310x710
Weight	Unit			kg	31			34
Casing	Material				Galvanised steel plate			
Decoration panel	Model				BYK45FJW1			BYK71FJW1
	Colour				White			
	Dimensions	HeightxWidthxDepth		mm	70x1,240x800			70x1,440x800
	Weight			kg	8.5			9.5
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	9/11		10/13	15/18
Air filter	Type				Resin net with mold resistance			
Sound power level	Cooling	High		dBA	54		56	58
Sound pressure level	Cooling	Low/High		dBA	33.0/38.0		34.0/40.0	37.0/42.0
Refrigerant	Type/GWP				R-410A/2,087.5			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	12.7			15.9
	Drain				VP25 (O.D. 32 / I.D. 25)			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	15			
Control systems	Infrared remote control				BRC4C61			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			

Multi zoning kit for concealed ceiling units



The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

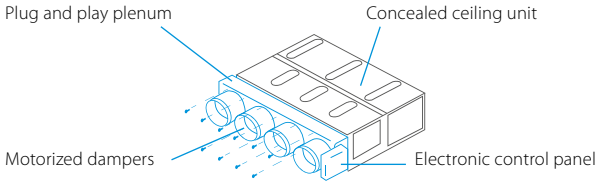
Benefits

Increased comfort

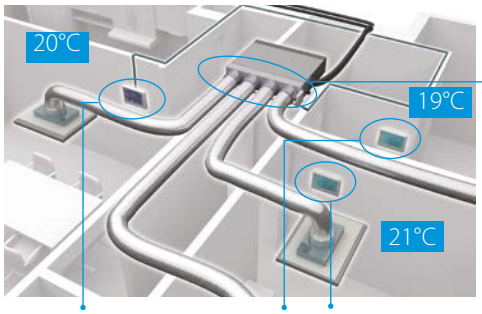
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?



Individual zone thermostats

Zoning box: fully pre-assembled plenum with dampers

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones
› Wired communication

AZCE6BLUEFACECB

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones
› Radio communication

AZCE6THINKRB

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature
› Radio communication

AZCE6LITERB

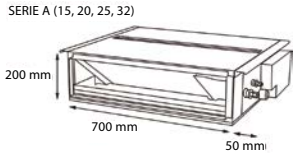
Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						●	●	●	●							
		AZEZ6DAIST07S2						●	●																				●	●					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						●	●	●	●							
		AZEZ6DAIST07S3						●	●																				●	●					
	4	AZEZ6DAIST07S4	300 x 930 x 454					●	●																				●	●					
		AZEZ6DAIST07M4	300 x 1,140 x 454							●	●				●																●		●		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							●	●				●																●		●		
		AZEZ6DAIST07L5										●	●	●		●	●																●	●	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							●	●				●																●		●		
		AZEZ6DAIST07L6										●	●	●		●	●																●	●	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									●	●	●		●	●																●	●	
		AZEZ6DAIST07XL7																																	●
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									●	●	●		●	●																●	●	
		AZEZ6DAIST07XL8																																	●
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	●	●													●	●	●	●														
	3	AZEZ6DAISL01S3	210 x 720 x 444	●	●													●	●	●	●														
	4	AZEZ6DAISL01M4	210 x 930 x 444																			●	●												
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			●	●																	●											

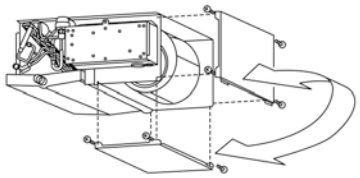
Slim concealed ceiling unit

Slim design for flexible installation

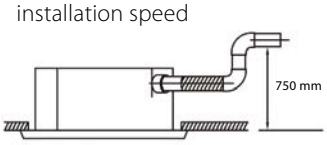
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm



› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



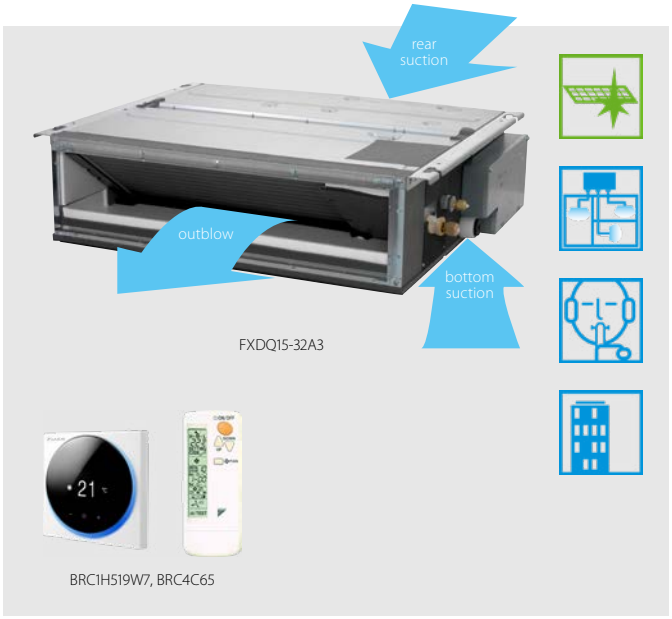
› Standard drain pump with 750mm lift increases flexibility and installation speed



Access all technical information on FXDQ-A3 at my.daikin.eu or click here

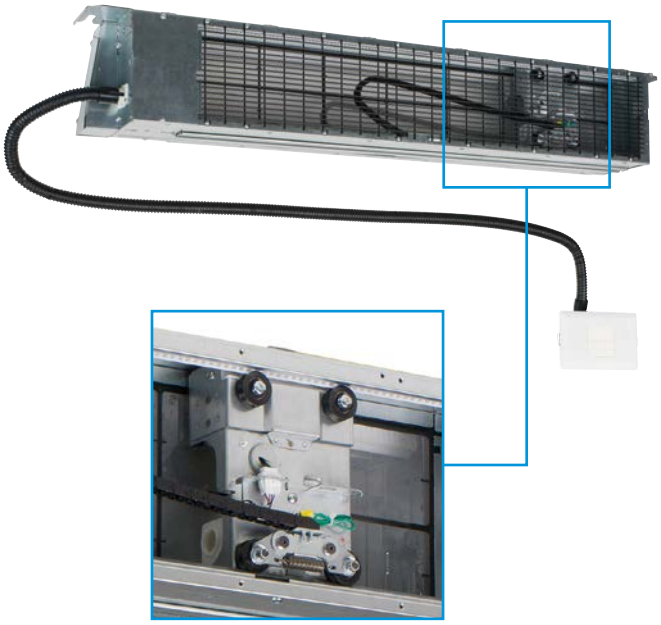
Access all technical information on BAE20A at my.daikin.eu or click here

More information on multi zoning kit in the controls chapter



FXDQ15-32A3

BRC1H519W7, BRC4C65



Auto cleaning filter option

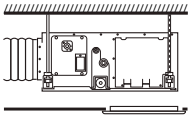
Indoor unit			FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW	0.071				0.078	0.099	0.110
	Heating	Nom.	kW	0.068				0.075	0.096	0.107
Required ceiling void >			mm	240						
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620				200x950x620		200x1,150x620
Weight	Unit		kg	22.0				26.0		29.0
Casing	Material			Galvanised steel						
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	6.4/7.5	6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
	External static pressure - 50Hz	Nom./High	Pa	10/30.0				15/44.0		
Air filter	Type			Removable / washable						
Sound power level	Cooling	High	dBA	50	51			52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA	27.0/31.0/32.0	27.0/31.0/33.0			28.0/32.0/34.0	29.0/33.0/35.0	30.0/34.0/36.0
Refrigerant	Type/GWP			R-410A/2,087.5						
Piping connections	Liquid	OD	mm	6.35						9.52
	Gas	OD	mm	12.7						15.9
	Drain			VP20 (I.D. 20/O.D. 26)						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220						
Current - 50Hz	Maximum fuse amps (MFA)		A	16						
Control systems	Infrared remote control			BRC4C65 / BRC4C66						
	Wired remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C/ BRC1D52						

Concealed ceiling unit with medium ESP

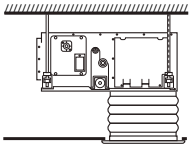
Slimmest yet most powerful medium static pressure unit on the market

› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

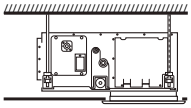
› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Optional fresh air intake
› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



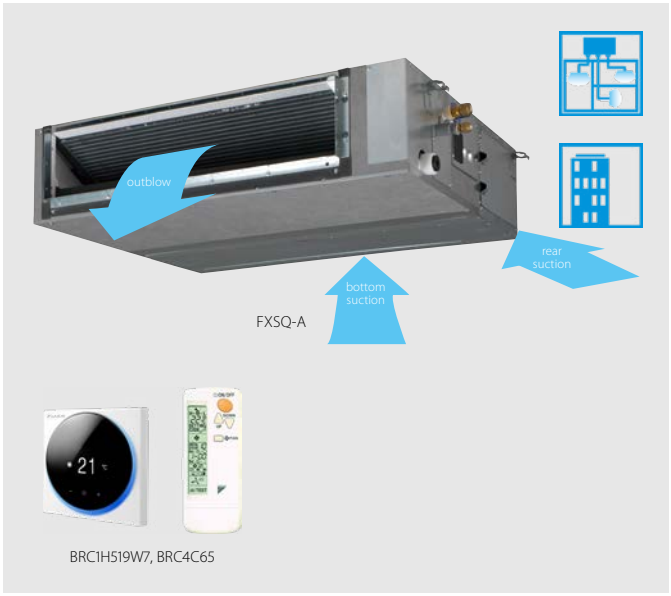
For free use into a false ceiling



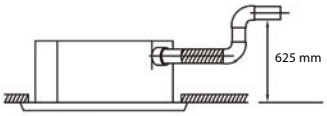
For connecting onto a suction canvas (not supplied by Daikin)



For direct connection to Daikin panel (via EKBYBSD kit)



› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

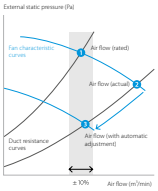


Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Access all technical information on FXSQ-A at my.daikin.eu or click here

More information on multi zoning kit in the controls chapter

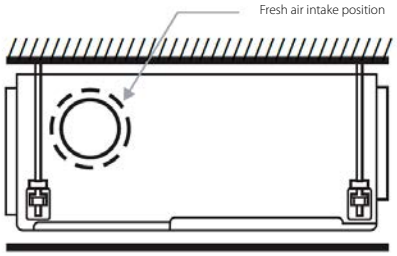
Indoor unit			FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW	0.090			0.096	0.151	0.154	0.188	0.213	0.290	0.331	0.386
	Heating	Nom.	kW	0.086			0.092	0.147	0.150	0.183	0.209	0.285	0.326	0.382
Dimensions	Unit	HeightxWidthxDepth	mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit		kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material			Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
		Heating Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	External static pressure - 50Hz	Nom./High	Pa	30/150							40/150		50/150	
Air filter	Type			Resin net										
Sound power level	Cooling	High	dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	Low/Nom./High	dBA	25.0/28.0/29.5	25.0/28.0/30.0		26.0/29.0/31.0	29.0/32.0/35.0		27.0/30.0/33.0	29.0/32.0/35.0	31.0/34.0/36.0	33.0/36.0/39.0	34.0/38.0/41.5
	Heating	Low/Nom./High	dBA	26.0/29.0/31.5	26.0/29.0/32.0		27.0/30.0/33.0	29.0/34.0/37.0		28.0/32.0/35.0	30.0/34.0/37.0	31.0/34.0/37.0	33.0/37.0/40.0	34.0/38.5/42.0
Refrigerant	Type/GWP			R-410A/2,087.5										
Piping connections	Liquid	OD	mm	6.35						9.52				
	Gas	OD	mm	12.7						15.9				
	Drain			VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)		A	16										
Control systems	Infrared remote control			BRC4C65										
	Wired remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52										

Concealed ceiling unit with high ESP

Ideal for large sized spaces
FXMQ-P7: ESP up to 200 Pa

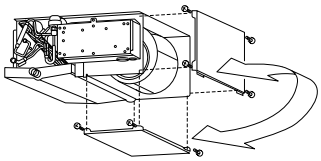
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› High external static pressure up to 200Pa facilitates extensive duct and grille network
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

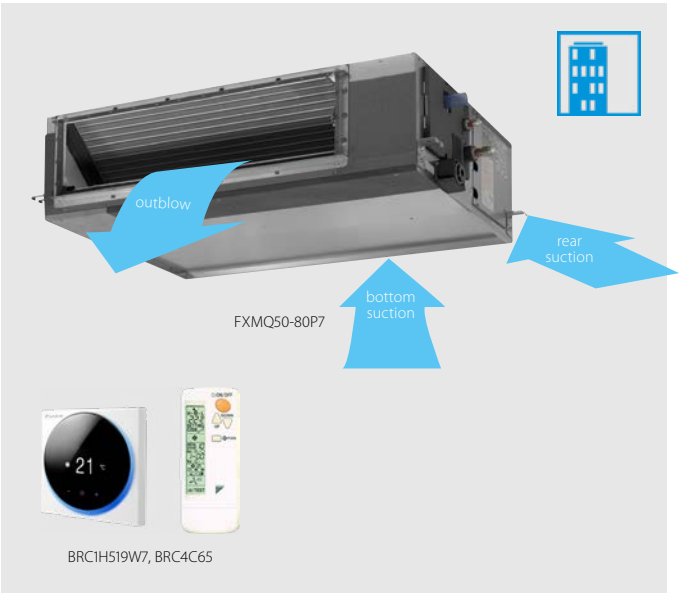
Fresh air intake opening in casing



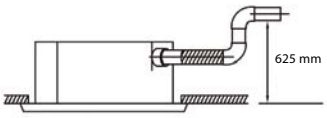
* Brings in up to 10% of fresh air into the room

› Flexible installation, as the air suction direction can be altered from rear to bottom suction





› Standard built-in drain pump with 625mm lift increases flexibility and installation speed



FXMQ-MB: ESP up to 270 Pa

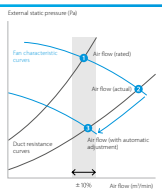
› High external static pressure up to 270Pa facilitates extensive duct and grille network
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Large capacity unit: up to 31.5 kW heating capacity

Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Access all technical information on FXMQ-P7 at my.daikin.eu or click here

Access all technical information on FXMQ-MB at my.daikin.eu or click here

Indoor unit			FXMQ	50P7	63P7	80P7	100P7	125P7	200MB	250MB
Cooling capacity	Total capacity	Nom.	kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
	Nom.		kW				-			
Heating capacity	Total capacity	Nom.	kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
	Nom.		kW				-			
Power input - 50Hz	Cooling	Nom.	kW	0.110	0.120	0.171	0.176	0.241	0.895	1.185
	Heating	Nom.	kW	0.098	0.108	0.159	0.164	0.229	0.895	1.185
Required ceiling void >			mm			350			-	
Dimensions	Unit	HeightxWidthxDepth	mm		300x1,000x700		300x1,400x700		470x1,380x1,100	
Weight	Unit		kg		35		46		132	
Casing	Material					Galvanised steel plate				
Decoration panel	Model				BYBS71DJW1		BYBS125DJW1		-	
	Colour					White (10Y9/0.5)			-	
	Dimensions	HeightxWidthxDepth	mm		55x1,100x500		55x1,500x500		-x-x-	
	Weight		kg		4.5		6.5		-	
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	50/58	62/72
		Heating Low/High	m^3/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	-/-	
	External static pressure - 50Hz	Nom./High	Pa			100/200			160/270	170/270
Air filter	Type					Resin net			-	
Sound power level	Cooling	Nom./High	dBA	-/61	-/64	-/67	-/65	-/70	75/76	
Sound pressure level	Cooling	Low/High	dBA	37/41	38/42	39/43		40/44	45/48	
	Heating	Low/High	dBA	37/41	38/42	39/43		40/44	-/-	
Refrigerant	Type/GWP					R-410A/-			R-410A/2,087.5	
Piping connections	Liquid	OD	mm	6.35			9.52			
	Gas	OD	mm	12.7		15.9			19.1	22.2
	Drain					VP25 (I.D. 25/O.D. 32)			PS1B	
Power supply	Phase/Frequency/Voltage		Hz/V			1~/50/60/220-240/220			1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)		A			16				
Control systems	Infrared remote control					BRC4C65				
	Wired remote control					BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52				

Wall mounted unit

For rooms with no false ceilings nor free floor space

› Flat, stylish front panel blends easily within any interior décor and is easier to clean
› Can easily be installed in both new and refurbishment projects
› The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
› Maintenance operations can be performed easily from the front of the unit

FXAQ-A

BRC1H519W7, BRC7EA628

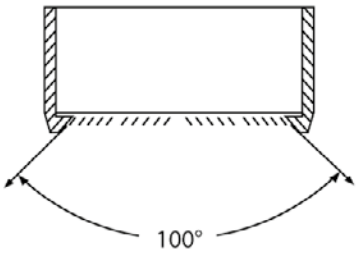
Access all technical information on FXAQ-A at my.daikin.eu or click here

Indoor unit				FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.		kW	0.02		0.03		0.02	0.03	0.05
	Heating	Nom.		kW	0.03			0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	7.0/8.4	7.0/9.1	7.0/9.4	7.0/9.8	9.7/12.2	11.5/14.4	13.5/18.3
Air filter	Type				Washable resin net						
Sound power level	Cooling	High		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure	Cooling	Low/High		dBA	28.5/32.0	28.5/33.0	28.5/35.0	28.5/37.5	33.5/37.0	35.5/41.0	38.5/46.5
level	Heating	Low/High		dBA	28.5/33.0	28.5/34.0	28.5/36.0	28.5/38.5	33.5/38.0	35.5/42.0	38.5/47.0
Refrigerant	Type/GWP				R-410A/2,087.5						
Piping connections	Liquid	OD		mm	6.35						9.52
	Gas	OD		mm	12.7						15.9
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC7EA628 / BRC7EA629						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						

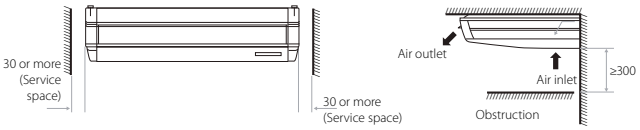
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing

* Brings in up to 10% of fresh air into the room

› Reduced energy consumption thanks to specially developed DC fan motor and drain pump
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

FXHQ63A

BRC1H519W7, BRC7G53

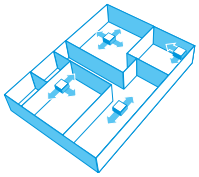
Access all technical information on FXHQ-A at my.daikin.eu or click here

Indoor unit				FXHQ	32A	63A	100A
Cooling capacity	Total capacity	Nom.		kW	3.6	7.1	11.2
Heating capacity	Total capacity	Nom.		kW	4.0	8.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.107	0.111	0.237
	Heating	Nom.		kW	0.107	0.111	0.237
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit			kg	24	33	39
Casing	Material				Resin		
Fan	Air flow rate -	Cooling	Low/High	m^3/min	10.0/14.0	14.0/20.0	19.0/29.5
	50Hz	Heating	Low/High	m^3/min	10.0/14.0	14.0/20.0	19.0/29.5
Air filter	Type				Resin net with mold resistance		
Sound power level	Cooling	Nom./High		dBA	52/54	53/55	55/62
Sound pressure	Cooling	Low/Nom./High		dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0
level	Heating	Low/Nom./High		dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0
Refrigerant	Type/GWP				R-410A/2,087.5		
Piping connections	Liquid	OD		mm	6.35	9.52	
	Gas	OD		mm	12.7	15.9	
	Drain				VP20 (I.D. 20/O.D. 26)		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC7GA53-9		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		

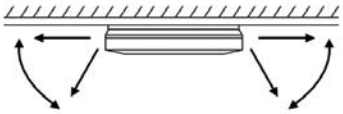
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

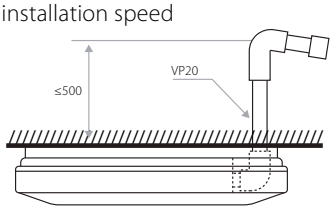
› Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!



› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› 5 different discharge angles between 0 and 60°can be programmed via the remote control



› Standard drain pump with 500mm lift increases flexibility and installation speed



FXUQ-A

BRC1H519W7, BRC7C58

Access all technical information on FXUQ-A at my.daikin.eu or click here

Indoor unit				FXUQ	71A	100A
Cooling capacity	Total capacity	Nom.		kW	8.0	11.2
Heating capacity	Total capacity	Nom.		kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	
Weight	Unit			kg	26	27
Casing	Material				Resin	
Fan	Air flow rate -	Cooling	Low/High	m^3/min	16.0/22.5	21.0/31.0
	50Hz	Heating	Low/High	m^3/min	16.0/22.5	21.0/31.0
Air filter	Type				Resin net with mold resistance	
Sound power level	Cooling	Nom./High		dBA	56/58	62/65
Sound pressure	Cooling	Low/Nom./High		dBA	36.0/38.0/40.0	40.0/44.0/47.0
level	Heating	Low/Nom./High		dBA	36.0/38.0/40.0	40.0/44.0/47.0
Refrigerant	Type/GWP				R-410A/2,087.5	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	
Control systems	Infrared remote control				BRC7C58	
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52	

Concealed floor standing unit

Designed to be concealed in walls

› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm

› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation

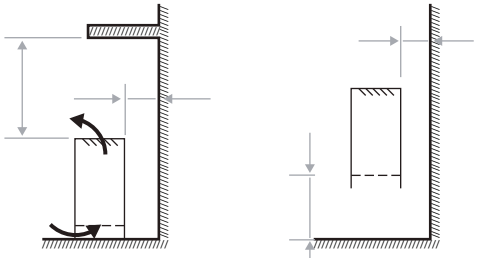
Access all technical information on FXNQ-A at my.daikin.eu or click here

Indoor unit				FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW		2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW		2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW		0.071			0.078	0.099	0.110
	Heating	Nom.	kW		0.068			0.075	0.096	0.107
Dimensions	Unit	HeightxWidthxDepth	mm		620 / 720x790x200			620 / 720x990x200		620 / 720x1,190x200
Weight	Unit		kg		23.5			27.5		32.0
Casing	Material				Galvanised steel plate					
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min		6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
		Heating Low/High	m^3/min		6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
	External static pressure - 50Hz	Nom./High	Pa		10/41.0		10/42.0	15/52.0	15/59.0	15/55.0
Air filter	Type				Resin net					
Sound power level	Cooling	High	dBA		51			52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA		27.0/28.5/30.0			28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
	Heating	Low/Nom./High	dBA		27.0/28.5/30.0			28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD	mm		6.35					9.52
	Gas	OD	mm		12.7					15.9
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)		A		16					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52					

Floor standing unit

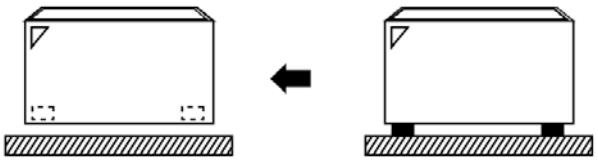
For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Requires very little installation space



Floor standing Wall mounted

- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



- Wired remote control can easily be integrated in the unit

FXLQ20,25P

BRC1H519W7, BRC4C65

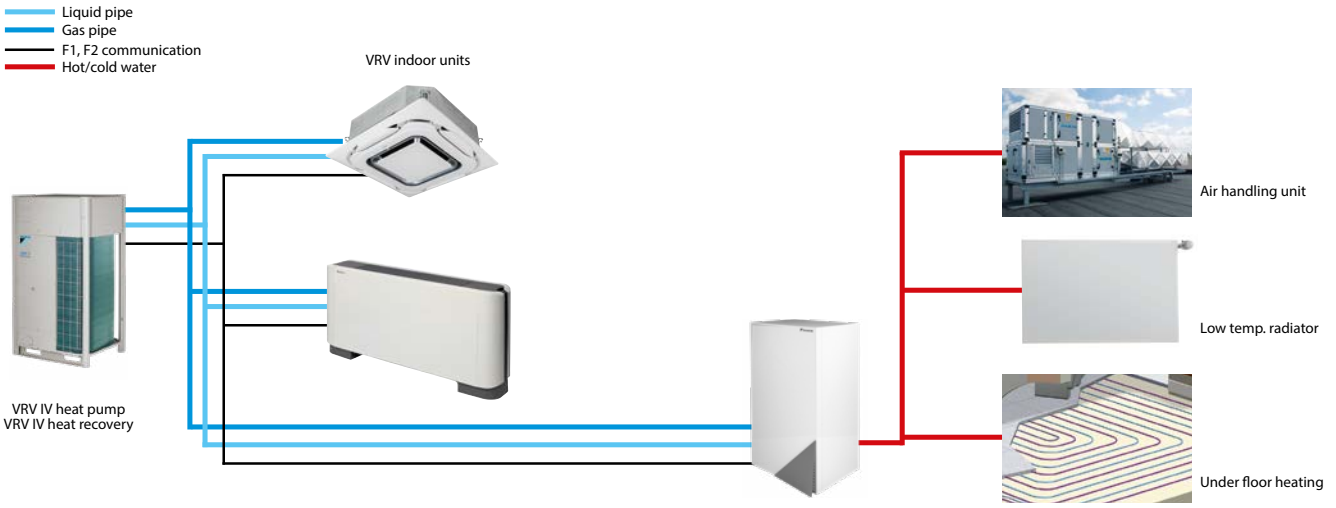
Access all technical information on FXLQ-P at my.daikin.eu or click here

Indoor unit				FXLQ	20P	25P	32P	40P	50P	63P
Cooling capacity	Total capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.		kW	0.05		0.09		0.11	
	Heating	Nom.		kW	0.05		0.09		0.11	
Dimensions	Unit	HeightxWidthxDepth		mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight	Unit			kg	27		32		38	
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	6.0/7		6.0/8	8.5/11	11.0/14	12.0/16
Air filter	Type				Resin net					
Sound power level	Cooling	High		dBA	54			57	58	59
Sound pressure level	Cooling	Low/High		dBA	32/35			33/38	34/39	35/40
	Heating	Low/High		dBA	32/35			33/38	34/39	35/40
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					9.52
	Gas	OD		mm	12.7					15.9
	Drain				O.D. 21 (Vinyl chloride)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	15					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52					

Low temperature hydrobox for VRV

For high efficiency space heating and cooling

- Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, …
- Leaving water temperature range from 5°C to 45°C without electric heater
- Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Space saving contemporary wall mounted design
- No gas connection or oil tank needed
- Connectable to VRV IV heat pump and heat recovery



Access all technical information on HXY-A8 at my.daikin.eu or click here

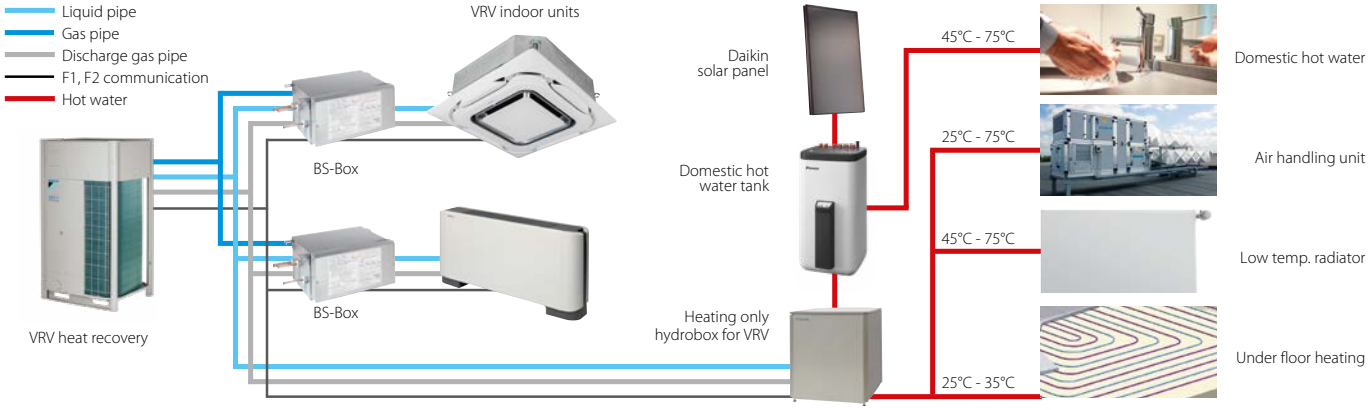
Indoor Unit				HXY	080A8	125A8
Cooling capacity	Nom.			kW	8.0 (1)	12.5 (1)
Heating capacity	Nom.			kW	9.00 (2)	14.00 (2)
Dimensions	Unit	Height x Width x Depth		mm	890 x 480 x 344	
Weight	Unit			kg	44	
Casing	Colour				White	
	Material				Precoated sheet metal	
Operation range	Cooling	Ambient	Min. ~ Max.	°CDB	10 ~ 43	
		Water side	Min. ~ Max.	°C	5 ~ 20	
	Heating	Ambient	Min. ~ Max.	°C	-20 ~ 24	
		Water side	Min. ~ Max.	°C	25 ~ 45	
Refrigerant	Type				R-410A	
	GWP				2,087.5	
Refrigerant circuit	Gas side diameter			mm	15.9	
	Liquid side diameter			mm	9.5	
Water circuit	Piping connections diameter			inch	G 1"1/4 (female)	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	
Current	Recommended fuses			A	6~16	

(1) Tamb 35°C - LWE 18°C (DT=5°C) | (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C)

High temperature hydrobox for VRV

For efficient hot water production and space heating

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- Leaving water temperature range from 25 to 80°C without electric heater
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- Possibility to connect thermal solar collectors to the domestic hot water tank
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Various control possibilities with weather dependant set point or thermostat control
- The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- No gas connection or oil tank needed
- Connectable to VRV IV heat recovery



Access all technical information on HXHD-A8 at my.daikin.eu or click here

Indoor Unit				HXHD	125A	200A
Heating capacity	Nom.			kW	14.0	22.4
Dimensions	Unit	Height x Width x Depth		mm	705 x 600 x 695	
Weight	Unit			kg	92.0	147
Casing	Colour				Metallic grey	
	Material				Precoated sheet metal	
Sound power level	Nom.			dBA	55.0 (2)	60.0 (2)
Sound pressure level	Nom.			dBA	42.0 (2) / 43.0 (3)	46.0 (2) / 46.0
	Night quiet mode	Level 1		dBA	38 (2)	45 (2)
Operation range	Heating	Ambient	Min. ~ Max.	°C	-20.0 ~ 20 / 24 (1)	
		Water side	Min. ~ Max.	°C	25 ~ 80.0	
	Domestic hot water	Ambient	Min. ~ Max.	°CDB	-20.0 ~ 43.0	
		Water side	Min. ~ Max.	°C	45 ~ 75	
Refrigerant	Type				R-134a	
	GWP				1,430	
	Charge			kg	2.00	2.60
Water circuit	Piping connections diameter			inch	G 1" (female)	
	Heating water system	Water volume	Max. ~ Min.	l	200 ~ 20	400 ~ 20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415
Current	Recommended fuses			A	20	16

(1) Field setting | (2) Sound levels are measured at: EW 55°C; LW 65°C | (3) Sound levels are measured at: EW 70°C; LW 80°C

EKHWP-B

Domestic hot water tank

Plastic domestic hot water tank with solar support

- Tank designed for connection with drainback thermal solar system
- Available in 300 and 500 liters
- Large hot water storage tank to provide domestic hot water at any time
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Space heating support possible (500l tank only)

EKHWP300B EKHWP500B

Accessory			EKHWP	300B	500B
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	Height	mm	1,650	1,660
		Width	mm	595	790
		Depth	mm	615	790
Weight	Unit	Empty	kg	58	82
Tank	Water volume		l	294	477
	Material			Polypropylen	
	Maximum water temperature		°C	85	
	Insulation	Heat loss	kWh/24h	1.5	1.7
	Energy efficiency class			B	
	Standing heat loss		W	64	72
	Storage volume		l	294	477
Heat exchanger	Domestic hot water	Quantity		1	
		Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	5.600	5.800
		Internal coil volume	l	27.1	28.1
		Operating pressure	bar	6	
		Average specifc thermal output	W/K	2,790	2,825
	Charging	Quantity		1	
		Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	3	4
		Internal coil volume	l	13	18
		Operating pressure	bar	3	
		Average specifc thermal output	W/K	1,300	1,800
	Auxiliary solar heating	Tube material		-	Stainless steel (DIN 1.4404)
		Face area	m^2	-	1
		Internal coil volume	l	-	4
		Operating pressure	bar	-	3
		Average specifc thermal output	W/K	-	280

EKHWP-PB

Domestic hot water tank

Pressureless domestic hot water tank with solar support

- Tank designed for connection with pressurised thermal solar system
- Available in 300 and 500 liters
- Large hot water storage tank to provide domestic hot water at any time
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Space heating support possible (500l tank only)

EKHWP300PB EKHWP500PB

Accessory			EKHWP	300PB	500PB
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	Height	mm	1,650	1,660
		Width	mm	595	790
		Depth	mm	615	790
Weight	Unit	Empty	kg	58	89
Tank	Water volume		l	294	477
	Material			Polypropylen	
	Maximum water temperature		°C	85	
	Insulation	Heat loss	kWh/24h	1.5	1.7
	Energy efficiency class			B	
	Standing heat loss		W	64	72
	Storage volume		l	294	477
Heat exchanger	Domestic hot water	Quantity		1	
		Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	5.600	5.900
		Internal coil volume	l	27.1	28.1
		Operating pressure	bar	6	
		Average specifc thermal output	W/K	2,790	2,825
	Charging	Quantity		1	
		Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	3	4
		Internal coil volume	l	13	18
		Operating pressure	bar	3	
		Average specifc thermal output	W/K	1,300	1,800
	Pressurised solar	Average specifc thermal output	W/K	390.00	840.00
	Auxiliary solar heating	Tube material		-	Stainless steel (DIN 1.4404)
		Face area	m^2	-	1
		Internal coil volume	l	-	4
		Operating pressure	bar	-	3
		Average specifc thermal output	W/K	-	280

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal and vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles

Accessory		EKSV/EKSH	21P	26P	
Mounting			Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth mm	1,006x85x2,000		2,000x85x1,300
Weight	Unit	kg	33	42	
Volume		l	1.3	1.7	2.1
Surface	Outer	m^2	2.01	2.60	
	Aperture	m^2	1.800	2.360	
	Absorber	m^2	1.79	2.35	
Coating			Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber			Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing			Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min.~Max.	°	15~80		
Operating pressure	Max.	bar	6		
Stand still temperature	Max.	°C	192		
Thermal performance	collector efficiency (ηcol)	%	61		
	Zero loss collector efficiency η0	%	0.781	0.784	
	Heat loss coefficient a1	$W/m^2.K$	4.240	4.250	
	Temperature dependence of the heat loss coefficient a2	$W/m^2.K^2$	0.006	0.007	
	Thermal capacity	kJ/K	4.9	6.5	
Auxiliary	Solpump	W	-		
	Solstandby	W	-		
	Annual auxiliary electricity consumption Qaux	kWh	-		

EKSRDS2A/EKSRPS4A

Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to unpressurised solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank

Accessory		EKSRPS4A/EKSRDS2A	EKSRPS4A	EKSRDS2A
Mounting			On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth mm	815x142x230	410x314x154
Weight	Unit	kg	6.4	6
Operation range	Ambient temperature	Min.~Max. °C	5~40	0~40
Operating pressure	Max.	bar	-	6
Stand still temperature	Max.	°C	85	120
Thermal performance	collector efficiency (ηcol)	%	-	
	Zero loss collector efficiency η0	%	-	
Control	Type		Digital temperature difference controller with plain text display	
	Power consumption	W	2	5
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230	/50/230
Sensor	Solar panel temperature sensor		Pt1000	
	Storage tank sensor		PTC	-
	Return flow sensor		PTC	-
	Feed temperature and flow sensor		Voltage signal (3.5V DC)	-
Power supply intake			Indoor unit	
Auxiliary	Solpump	W	37.3	23
	Solstandby	W	2.00	5.00
	Annual auxiliary electricity consumption Qaux	kWh	92.1	89

Options & accessories - VRV outdoor

R-32

		VRV S-series	VRV IV Heat Recovery				
		RXYSA-AV1/AY1	REYQ 8~12	REYQ 14~20	REMQ5	2-module systems	3-module systems
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system					BHFQ23P907	BHFQ23P1357
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units		Special order unit				
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.						
Kits	**Heater tape kit** - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)	•	EKBPH012T7A	EKBPH020T7A	EKBPH012T7A		
Kits	**BHGP26A1** Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.		•	•	•	1 kit per system	1 kit per system
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units					
Adapters	**KRC19-26A** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	•					
Adapters	Cool/heat selector PCB (required to connect KRC19-26A)	Standard on unit					
Adapters	**KKSA26A560*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)						
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A	•					
Others	**EKCHSC** - Cool/heat selector cable						
Others	**EKPCCAB4** VRV configurator	•	•	•	•	•	•
Others	**KKSB26B1*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.						
Others	**DTA109A51** DIII-net expander adapter		•	•	•	•	•
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)						
Others	**EKDK04** Drain plug kit						

*Note: blue cells contain preliminary data

		VRV IV S-series		
		RXYSCQ-TV1	RXYSQ4-6TV9	RXYSQ4-6TY9
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system			
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units			
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
Kits	**Heater tape kit** - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)			
Kits	**BHGP26A1** Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.			
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units		
Adapters	**KRC19-26A** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		•	•
Adapters	Cool/heat selector PCB (Required to connect KRC19-26A)		EBRP2B	
Adapters	**KKSA26A560*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A		•	•
Others	**EKCHSC** - Cool/heat selector cable (Required to connect KRC19-26A)			•
Others	**EKPCCAB4** VRV configurator	•	•	•
Others	**KKSB26B1*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
Others	**DTA109A51** DIII-net expander adapter			
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)	•	•	•
Others	**EKDK04** Drain plug kit		•	•

VRV IV with continuous heating						VRV IV without continuous heating				VRV IV C+series			
RYYQ8-12	RYYQ14-20	RYMQ8-12	RYMQ14-20	2-module systems	3-module systems	RXYQ8-12	RXYQ14-20	2-module systems	3-module systems	RXYLQ	RXMLQ	2-module systems	3-module systems
				BHFQ22P1007	BHFQ22P1517			BHFQ22P1007	BHFQ22P1517			BHFQ22P1007	BHFQ22P1517
EKBPH012T7A	EKBPH020T7A	EKBPH012T7A	EKBPH020T7A			EKBPH012T7A	EKBPH020T7A						
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system				
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units													
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system
BRP2A81	BRP2A81	BRP2A81	BRP2A81	BRP2A81 (1 kit per system)	BRP2A81 (1 kit per system)	BRP2A81	BRP2A81	BRP2A81 (1 kit per system)	BRP2A81 (1 kit per system)	BRP2A81	BRP2A81	BRP2A81 (1 kit per system)	BRP2A81 (1 kit per system)
	•		•	1 kit per system	1 kit per system		•	1 kit per system	1 kit per system				
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system
•	•	•	•	•	•	•	•	•	•	•	•	•	•
	•		•				•						
•	•	•	•	•	•	•	•	•	•				
•	•					•	•			•	•		

	VRV IV i-series SB.RKXYQ			
RXYSQ8-12TY1	RDXYQ5	RDXYQ8	RKXYQ5	RKXYQ8
	EKDPH1RDX	EKDPH1RDX		
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units				
			•	•
				BRP2A81
			•	•
•			•	•
•				

Options & accessories - VRV outdoor

		VRV IV-Q Heat Pump Replacement VRV				
		RQYQ 140P	RXYQQ8-12	RXYQQ14-20	2-module systems	3-module systems
Kits	**Multi-module connection kit (obligatory)** Connects multiple modules into a single refrigerant system				BHFQ22P1007	BHFQ22P1517
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	KWC26B160				
Kits	**Heater tape kit** - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)		EKBPH012T7A	EKBPH020T7A		
Kits	**BHGP26A1** Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.	●	●	●	1 kit per system	1 kit per system
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units			
Adapters	**KRC19-26A** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	●	●	●	1 kit per system	1 kit per system
Adapters	**BRP2A81** Cool/heat selector PCB (required to connect KRC19-26A to VRV IV outdoor)		●	●	1 kit per system	1 kit per system
Adapters	**KKSA26A560*** - Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			●	1 kit per system	1 kit per system
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A	●	●	●	1 kit per system	1 kit per system
Others	**EKPCCAB4** VRV configurator		●	●	●	●
Others	**KKSB2B61*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			●		
Others	**DTA109A51** DIII-net expander adapter	●	●	●	●	●

Refnets & branch selector boxes

		Refnet Joints				Refnet Headers	
		Capacity index < 200	Capacity index 200 ≤ x < 290	Capacity index 290 ≤ x < 640	Capacity index > 640	Capacity index < 290	Capacity index 290 ≤ x < 640
Refnets	Metric-size connections for heat pump systems (2-pipe)	KHRQM22M20T	KHRQM22M29T	KHRQM22M64T	KHRQM22M75T	KHRQM22M29H	KHRQM22M64H
Refnets	Imperial-size connections for heat recovery pump (2-pipe)	KHRQ22M20T	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T	KHRQ22M29H	KHRQ22M64H
Refnets	Metric-size connections for heat recovery systems (3-pipe)	KHRQM23M20T	KHRQM23M29T	KHRQM23M64T	KHRQM23M75T	KHRQM23M29H	KHRQM23M64H
Refnets	Imperial-size connections for heat recovery systems (3-pipe)	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T	KHRQ23M29H	KHRQ23M64H
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	**EKBSVQLNP** Sound reduction kit (sound insulation)						
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	**KHFP26A100C** Closed pipe kit						
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	**KHRP26A1250C** Joint kit						
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	Quiet kit						

(1) For installations with special requirements towards fire regulations, the insulation material can be replaced using kits EKHBFQ1 and EKHBFQ2.
The kits contain insulation material that complies with EN13501-1:B-S3,dO and BS476-7 (class 1)

VRV III-Q Heat Recovery Replacement VRV				VRV-W IV Water-cooled VRV				
					Heat Pump application		Heat Recovery application	
RQEQ 140~212	2-module systems	3-module systems	4-module systems	RWEYQ8-14	2-module systems	3-module systems	2-module systems	3-module systems
	BHFP26P36C	BHFP26P63C	BHFP26P84C		BHFQ22P1007 / BHFQ22P1517 (1)	BHFQ22P1517 (1)	BHFQ23P907 / BHFQ23P1357 (1)	BHFQ23P1357 (1)
•	1 kit per system	1 kit per system	1 kit per system					
DTA104A53/61/62 Installation in the RWEYQ outdoor unit possible. For installation in indoor units, use appropriate type (DTA104A53/61/62) for particular indoor unit. See Options & Accessories of indoor units								
				• (for H/P only)	1 kit per system	1 kit per system		
				• (for H/P only)	1 kit per system	1 kit per system		
				• (for H/P only)	1 kit per system	1 kit per system		
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•

	Heat Recovery Branch Selector Boxes (BS-Boxes)						
Capacity index	1-port	4-port	6-port	8-port	10-port	12-port	16-port
> 640	BS1Q-A	BS4Q14AV1B	BS6Q14AV1B	BS8Q14AV1B	BS10Q14AV1B	BS12Q14AV1B	BS16Q14AV1B
KHRQM22M75H							
KHRQ22M75H							
KHRQM23M75H							
KHRQ23M75H							
	•						
		•	•	•	•	•	•
		•	•	•	•	•	•
		KDDN26A4	KDDN26A8	KDDN26A8	KDDN26A12	KDDN26A12	KDDN26A16

Options & accessories - VRV indoor

R-32 R-410A R-32 R-410A

		Ceiling mounted cassette units				
		Round flow (800x800)	4-way (600x600)	2-way blow		
		FXFA-A / FXFQ-B	FXZA-A / FXZQ-A	FXCQ 20~40A	FXCQ 50~63A	FXCQ 80 ~125A
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white panel) BYFQ60CS (grey panel) BYFQ60B3 (Standard panel)	BYBCQ40H	BYBCQ63H	BYBCQ125H
	Panel spacer for reducing required installation height		KDBQ44B60 (Standard panel)			
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)			
	Sensor kit	BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	BRYQ60AW (white panel) BRYQ60AS (grey panel)			
Individual control systems	Infrared remote control (incl. receiver)	BRC7FA532F (white panels) BRC7FA532FB (black panels) BRC7FB532F (white designer panel) BRC7FB532FB (black designer panel)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530 (9) (10) (standard panel)	BRC7C52	BRC7C52	BRC7C52
	Madoka **BRC1H519W7** (White) / **BRC1H519S7** (Silver) / **BRC1H519K7** (Black) User-friendly wired remote controller with premium design	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	•	•	•
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light	•(18)	•(18)	•	•	•
	BRC1D52 (4) - Standard wired remote control with weekly timer	•(15)(18)	•(18)	•	•	•
Centralised control systems	**DCC601A51** - intelligent Tablet Controller	•	•	•	•	•
	DCS601C51 (12) - intelligent Touch Controller	•	•	•	•	•
	DCS302C51 (12) - Central remote controller	•	•	•	•	•
	DCS301B51 (12) (13) - Unified ON/OFF controller	•	•	•	•	•
	DST301B51 (12) - Schedule timer	•	•	•	•	•
Building Management System & Standard protocol interfaces — for individual control	**RTD-NET** - Modbus interface for monitoring and control	•	•	•	•	•
	RTD-10 - Modbus interface for infrastructure cooling	•	•	•	•	•
	RTD-20 - Modbus interface for retail	•	•	•	•	•
	RTD-HO - Modbus interface for hotel	•	•	•	•	•
	KLIC-DI - KNX Interface	•	•	•	•	•
Building Management System & Standard protocol interfaces — for central control	**DCM601A51** - intelligent Touch Manager	•	•	•	•	•
	EKMBDXA - Modbus interface	•	•	•	•	•
	DCM010A51 - Daikin PMS interface	•	•	•	•	•
	DMS502A51 - BACnet Interface	•	•	•	•	•
	DMS504B51 - LonWorks Interface	•	•	•	•	•
Filters	Replacement long life filter, non-woven type	KAFP551K160	KAFQ441BA60	KAFP531B50	KAFP531B80	KAFP531B160
	Auto cleaning filter	see decoration panel				
Wiring and sensors	**KRCS** - External wired temperature sensor	KRCS01-7B	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor	SB.K.RSS_RFC (EKEWTSC-1 + K.RSS)	•	•	•	•
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)	KRP1BA58 (2)(7)	KRP1B57			
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1C12 (2)(7)	EKRP1B2	EKRP1B2	EKRP1B2	EKRP1B2
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A53 (2)(7)	KRP4A53 (2)	KRP4A51 (2)	KRP4A51 (2)	KRP4A51 (2)
	Adapter for external central monitoring/control (controls 1 entire system)		KRP2A52	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)
	Adapter for keycard and/or window contact connection (2)(11)	BRP7A53	BRP7A53	BRP7A51	BRP7A51	BRP7A51
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61			
	External control adapter for outdoor unit (installation on indoor unit)			DTA104A61	DTA104A61	DTA104A61
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP1H98A (7)	KRP1BB101	KRP1C96 (16) (17)	KRP1C96 (16) (17)	KRP1C96 (16) (17)
	Wiring kit for Remote ON/OFF or Forced OFF	Standard	Standard	Standard	Standard	Standard
Others	Drain pump kit	Standard	Standard	Standard	Standard	Standard
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)					
	Fresh air intake kit (direct installation type)	KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60			
	Air discharge adapter for round duct					
	Filter chamber for bottom suction			KDDFP53B50	KDDFP53B80	KDDFP53B160

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H* is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller

R-32 R-410A R-32 R-410A

Corner (1-way blow)		Concealed ceiling units (duct units)					
		Slim	Medium ESP				
FXKQ 25~40MA	FXKQ 63MA	FXDA-A / FXDQ-A3	FXSA15-32A / FXSQ15-32A	FXSA40-50A / FXSQ40-50A	FXSA63-80A / FXSQ63-80A	FXSA100-125A / FXSQ100-125A	FXSA140A / FXSQ140A
BYK45F	BYK71F						
BRC4C61	BRC4C61	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65
•	•	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K	R-410A model: BRC1H519W7/S7/K7 R-32 model: BRC1H52W/S/K
•	•	•(18)	•(18)	•(18)	•(18)	•(18)	•(18)
•	•	•(18)	•(18)	•(18)	•(18)	•(18)	•(18)
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		15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102					
KRCS01-1	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
•	•	•	•	•	•	•	•
KRP1B61	KRP1B61	KRP1B56	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)
KRP4A51	KRP4A51	KRP4A54-9	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)
KRP2A51	KRP2A51	KRP2A53	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)
BRP7A51	BRP7A51	BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A51	BRP7A51
		DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61
DTA104A61	DTA104A61	DTA104A53	DTA104A61	DTA104A61	DTA104A61	DTA104A61	DTA104A61
		KRP1BB101	KRP1BB101/ KRP1B100	KRP1BB101/ KRP1B100	KRP1BB101/ KRP1B100	KRP1BB101/ KRP1B100	KRP1BB101/ KRP1B100
Standard	Standard		Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
		• (R-410A only)	• (R-410A only)	• (R-410A only)	• (R-410A only)	• (R-410A only)	• (R-410A only)
			KDAP25A36A	KDAP25A56A	KDAP25A71A	KDAP25A140A	

		Concealed ceiling units (duct units)			Ceiling suspended units		
		High ESP		High ESP	1-way blow		
		FXMQ 50~80	FXMQ 100~125	FXMQ 200~250	FXHQ 32A	FXHQ 63A	FXHQ 71~100A
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)						
	Panel spacer for reducing required installation height						
	Sealing kit for 3- or 2-directional air discharge						
	Sensor kit						
Individual control systems	Infrared remote control including receiver	BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7GA53-9	BRC7GA53-9
	Madoka BRC1H519W(7) (White) / BRC1H519S(7) (Silver) / BRC1H519K(7) (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•
	BRC1E53A/B/C - Wired remote control with full-text interface and back-light	•	•	•	•	•	•
	BRC1D52 (4) - Standard wired remote control with weekly timer	•	•	•	•	•	•
Centralised control systems	**DCC601A51** - Intelligent Tablet Controller	•	•	•	•	•	•
	DCS601C51 (12) - intelligent Touch Controller	•	•	•	•	•	•
	DCS302C51 (12) - Central remote control	•	•	•	•	•	•
	DCS301B51 (12) (13) - Unified ON/OFF control	•	•	•	•	•	•
	DST301B51 (12) - Schedule timer	•	•	•	•	•	•
Building management system + standard protocol interface	**DCM601A51** - Intelligent Touch Manager	•	•	•	•	•	•
	EKMBDXA - DIII-net modbus interface	•	•	•	•	•	•
	KLIC-DI - KNX interface	•	•	•	•	•	•
	DMS502A51 - BACnet interface	•	•	•	•	•	•
	DMS504B51 - LowWorks interface	•	•	•	•	•	•
Filters	Replacement long life filter, non-woven type				KAFP501A56	KAFP501A80	KAFP501A160
	Auto cleaning filter						
Wiring and sensors	**KRCS** - External wired temperature sensor	KRCS01-4	KRCS01-4	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor	•	•	•	•	•	•
Adapters	Adapter with 2 output signals (Compressor / Error, Fan output)				KRP1B54	KRP1B54	KRP1B54
	Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1B2	EKRP1B2	KRP1B61			
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A51	KRP4A51	KRP4A51	KRP4A52 (2)	KRP4A52 (2)	KRP4A52 (2)
	Adapter for external central monitoring/control (controls 1 entire system)	KRP2A51	KRP2A51	KRP2A51	KRP2A62 (2)	KRP2A62 (2)	KRP2A62 (2)
	Adapter for keycard and/or window contact connection (2)(11)	BRP7A51	BRP7A51	BRP7A51	BRP7A52	BRP7A52	BRP7A52
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61				
	External control adapter for outdoor unit (installation on indoor unit)	DTA104A61	DTA104A61	DTA104A61	DTA104A62	DTA104A62	DTA104A62
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP4A96	KRP4A96		KRP1D93A	KRP1D93A	KRP1D93A
	Wiring kit for Remote ON/OFF or Forced OFF	Standard	Standard	Standard	EKRORO4	EKRORO4	EKRORO4
Others	Drain pump kit	Standard	Standard	KDU30M250	KDU50P60	KDU50P140	KDU50P140
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)						
	Fresh air intake kit (direct installation type)				KDDQ50A140	KDDQ50A140	KDDQ50A140
	Air discharge adapter for round duct	KDAJ25K71	KDAJ25K140				
	Filter chamber for bottom suction				KHFP5M35	KHFP5N63	KHFP5N160

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140E decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E is needed
(6) The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140EGF(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit

	Wall mounted units	Floor standing units			
4-way blow		Concealed	Free-standing		
FXUQ-A	FXAQ-A	FXNQ-A	FXLQ 20~25	FXLQ 32~40	FXLQ 50~63
			EKRDP25A	EKRDP40A	EKRDP63A
KDBHP49B140 + KDBTP49B140					
BRC7C58	BRC7EA628	BRC4C65	BRC4C65	BRC4C65	BRC4C65
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KAFP551K160					
KRCS01-4	KRCS01-1B	KRSC01-4	KRCS01-1	KRCS01-1	KRCS01-1
•	• (14)	•	•	•	•
	KRP1B56	KRP1B56	KRP1B61	KRP1B61	KRP1B61
KRP4A53 (2)	KRP4AA51 (2)	KRP4A54-9	KRP4A51	KRP4A51	KRP4A51
	KRP2A51 / KRP2A61(2)	KRP2A53	KRP2A51	KRP2A51	KRP2A51
BRP7A53		BRP7A51	BRP7A51	BRP7A51	BRP7A51
	DTA114A61	DTA114A61	EKMTAC	EKMTAC	EKMTAC
	DTA104A51 / DTA104A61				
KRP1B97	KRP4AA93 (16)(17)				
EKRORO5	Standard	Standard	Standard	Standard	Standard
	K-KDU572EVE				

	HXY080-125A8	HXHD125-200A8
Drain pan	EKHBDPCA2	-
Digital I/O PCB	EKRP1HBAA	-
Demand PCB - Required to connect room thermostat	EKRP1AHTA	-
Remote user interface (remocon) - Same controller as supplied with cascade unit can be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master & 1 slave	EKRUAHTB	-
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat - Requires demand PCB EKRP1AHTA	EKRTWA	-
Wireless room thermostat - Requires demand PCB EKRP1AHTA	EKRTR1	-
Remote sensor for room thermostat - Requires demand PCB EKRP1AHTA	EKRTETS	-
Domestic hot water tank - standard (stacked on top of hydrobox)	-	EKHTS200AC EKHTS260AC
Domestic hot water tank - with possibility for solar connection	-	EKHWP500B
Solar collector (1)	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRPS

Daikin offers the widest range in DX ventilation in the market.
With a variety of ventilation solutions from small heat recovery ventilation to large scale air handling units we help provide a fresh, healthy and comfortable environment in offices, hotels, stores and other commercial environments.

Ventilation & Biddle air curtains

Why choose Daikin ventilation 478

ERV / HRV - Energy/Heat recovery ventilation units 480
ALB-LBS/RBS - Modular L Smart 482
Heater for Modular L Smart 483
VAM-FC9/J 484
Heater for VAM 485
VKM-GB(M) 486

Daikin air handling units with DX connection 487
Advantages 487
Overview of VRV & ERQ condensing units 488
Control possibilities 489

Integration in third party AHU 492
Expansion valves & Control boxes 492
Selection procedure 493

Biddle air curtains 494

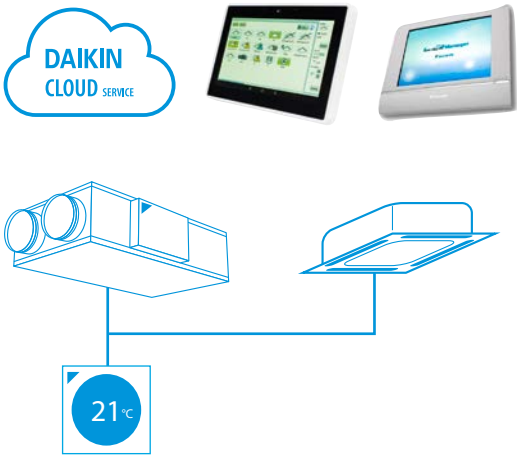
Biddle air curtain for ERQ 494
Biddle air curtain for VRV and Conveni-pack 495

Options & accessories 496

5 reasons why Daikin's ventilation range is unique in the market

1 Market leading controls & connectivity

- Interlock of ventilation and air conditioning system
  - Control ERV/HRV and air conditioning from the same controller
  - Aligns the operation mode between the systems to save energy
- Easy integration in the total solution
  - Online control and monitoring via the Daikin Cloud Service
  - Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS
- User-friendly controller with premium design
  - Intuitive touch button control



Madoka

DESIGN AWARD 2018

reddot award 2018 winner

2 Unique installation benefits

- Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
- Total fresh air solution with Daikin supplying both the VAM/Modular L Smart and the electrical heater
- Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.

3 High energy efficiency

- Energy recovery of up to 92%, reducing running costs
- Free nighttime cooling using fresh outside air
- Inverter driven centrifugal fans
- ErP compliant

Up to 92% energy recovery

4 Best comfort

- Wide range of units to control fresh air and humidity
- Wide range of optional filters to suit the application available up to ePM_1 80% (F9)
- Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

5 Top reliability

- Most extensive testing before new units leave the factory
- Widest support network and after sales service
- All spare parts available in Europe

ErP COMPLIANT

Did you know?

CO_2 levels and ventilation rates all have significant, independent impacts on cognitive function:

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range of DX integrated ventilation on the market

Daikin offers a variety of solutions from small energy recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises.

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

› **Unique portfolio** within DX manufacturers
› High-quality solutions complying with the **highest Daikin quality standards**
› **Seamless integration** of all products to provide the best indoor climate
› All Daikin products connected to a single controller for **complete control** of the HVAC system.

Energy Recovery Ventilation

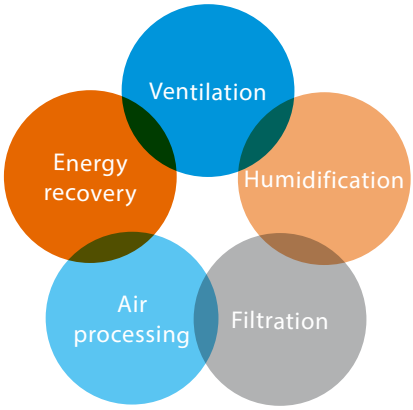
Our energy recovery units **recover sensible energy** (Modular L Pro / Modular L Smart) or **total (sensible + latent) energy** (VAM/VKM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.

Five components of indoor air quality

- **Ventilation:** Ensures the provision of fresh air
- **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows
- **Air processing:** Delivers the right supply temperature to decrease the indoor unit load
- **Humidification:** Ensures relative indoor humidity levels are respected
- **Filtration:** Separates pollen, dust and pollution odours that are harmful to individuals' health



Fresh air portfolio

150 | 500 | 1,000 | 2,000 | 2,500 | 3,000 | 3,500 | 15,000 | 25,000 | 140,000 [m³/h]

Decentralised systems

D-AHU MODULAR L (SMART)

- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options
- Smart version connects Plug & Play to Sky Air / VRV systems

- Compact size
- High energy efficient paper recovering sensible and latent heat
- EC fan motors
- Filter clogging alarm based on pressure

VAM-FC9 / VAM-J

- With DX coil for post-treated fresh air
- Increased comfort
- Humidifier option

VKM-GB(M)

Centralised systems

- High efficiency aluminium plate heat exchanger
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR P

- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR R

- Fully customizable
- Plug & play
- 4 types of control
- With DX or water coil option

D-AHU Professional

Modular L Smart

Premium efficiency heat recovery unit

Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,450m³/h
- Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- Inverter driven with IE4 premium efficiency motor
- High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 93% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection

Right drain connection (ALB-RBS)

Left drain connection (ALB-LBS)

For integration with Applied systems, please refer to the Modular L, in the AHU chapter

Technical details

D-AHU Modular L Smart		ALB-RBS/LBS	02	03	04	05	06	07
Airflow		m³/h	300	600	1200	1500	2300	3000
Heat exchanger thermal efficiency[1]		%	90	91	90	90	92	91
External static pressure	Nom.	Pa	100	100	100	100	100	100
Temperature after heat exchanger[1]	Nom.	°C	19,4	19,5	19,4	19,2	19,8	19,5
Max ESP @ nom. airflow		Pa	400	450	260	270	250	210
Current	Nom.	A	0,52	1,17	1,91	2,48	3,76	5,39
Power input	Nom.	kW	0,12	0,27	0,44	0,57	0,87	1,24
SFPv[2]		kW/m³/s	1,24	1,49	1,28	1,32	1,32	1,46
ERP compliant			ErP 2018 Compliant					
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Main unit dimensions	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Rectangular duct flange	Width	mm	250	400	500	500	700	700
	Height	mm	150	200	300	300	400	400
Unit Sound Power Level (Lwa)		dB	48	54	57	53	60	57
Unit Sound Pressure Level[3]		dBA	34	39	41	37	44	41
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C,50%

2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

3. According to EN3744. Surrounding, Directivity (Q) = 2, @ 1,5m distance

Electrical heater for Modular L Smart

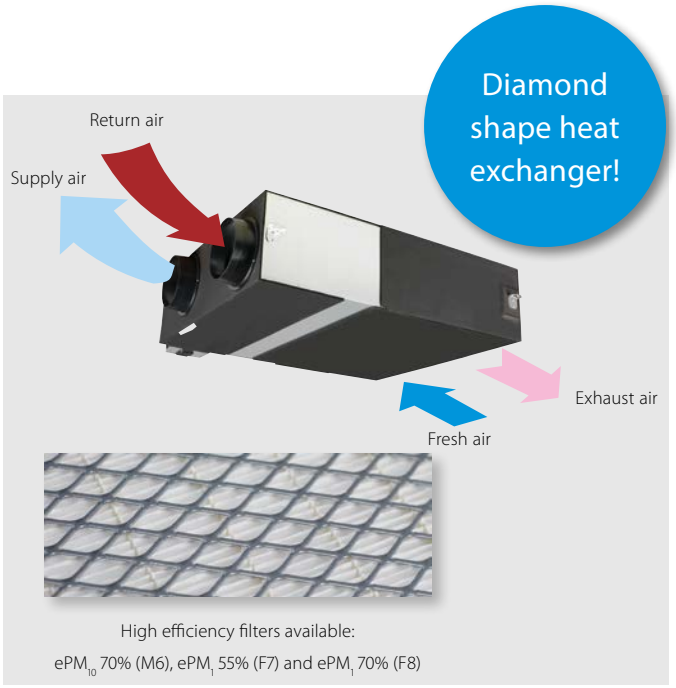
› Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
› Increase comfort in low outdoor temperature thanks to the heated outdoor air
› Integrated electrical heater concept (no additional accessories required)
› Standard dual flow and temperature sensor
› Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy

Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB
Capacity kW	1,5	3	7,5	15
Connectable Modular L Smart size	02	03	04, 05	06, 07
Supply voltage	230V,1ph		400V,3ph	
Output current (maximum) (A)	6,6	13,1	10,9	21,7
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range	- 20 °C to 10 °C			
Control fuse	Mini Circuit Breaker 6 A			
LED indicators	"Yellow = Airflow fault Red = Heat ON"			
Mounting holes	Depends on duct size			
Maximum ambient adjacent to terminal box	30°C (during operation)			
Auto high temperature cutout	75°C Pre-set			
Manual reset high temperature cutout	120°C Pre-set			
Width (mm)	470	620	720	920
Depth (mm)	370	370	370	370
Height (mm)	193	243	343	443

Energy recovery ventilation

Ventilation with heat recovery as standard

- Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters



ErP COMPLIANT

Ventilation				VAM/VAM	150FC9	250FC9	350J	500J	650J	800J	1000J	1500J	2000J
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.097/0.070/0.039	0.164/0.113/0.054	0.247/0.173/0.081	0.303/0.212/0.103	0.416/0.307/0.137	0.548/0.384/0.191	0.833/0.614/0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.085/0.061/0.031	0.148/0.100/0.045	0.195/0.131/0.059	0.289/0.194/0.086	0.417/0.300/0.119	0.525/0.350/0.156	0.835/0.600/0.239
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	77.0 (1)/72.0 (2)/78.3 (1)/72.3 (2)/82.8 (1)/73.2 (2)	74.9 (1)/69.5 (2)/76.0 (1)/70.0 (2)/80.1 (1)/72.0 (2)	85.1/86.7/90.1	80.0/82.5/87.6	84.3/86.4/90.5	82.5/84.2/87.7	79.6/81.8/86.1	83.2/84.8/88.1	79.6/81.8/86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	60.3 (1)/61.9 (1)/67.3 (1)	60.3 (1)/61.2 (1)/64.5 (1)	65.2/67.9/74.6	59.2/61.8/69.5	59.2/63.8/73.1	67.7/70.7/76.8	62.6/66.4/74.0	68.9/71.8/77.5	62.6/66.4/74.0
	Heating	Ultra high/High/Low		%	66.6 (1)/67.9 (1)/72.4 (1)	66.6 (1)/67.4 (1)/70.7 (1)	75.5/77.6/82.0	69.0/72.2/78.7	73.1/76.3/82.7	72.8/75.3/80.2	68.6/71.7/77.9	73.8/76.1/80.8	68.6/71.7/77.9
Operation mode					Heat exchange mode, bypass mode, fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172	
Weight	Unit			kg	24.0		46.5		61.5	79.0		157	
Casing	Material				Galvanised steel plate								
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
		Bypass mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
	External static pressure - 50Hz	Ultra high/High/Low		Pa	90/87/40	70/63/25	90 (1)/70.0/50.0 (1)						
Air filter	Type				Multidirectional fibrous fleeces		Multidirectional fibrous fleeces (G3)						
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	27.0/26.0/20.5	28.0/26.0/21.0	34.5 (1)/32.0 (1)/29.0 (1)	37.5 (1)/35.0 (1)/30.5 (1)	39.0 (1)/36.0 (1)/31.0 (1)	39.0 (1)/36.0 (1)/30.5 (1)	42.0 (1)/38.5 (1)/32.5 (1)	42.0 (1)/39.0 (1)/33.5 (1)	45.0 (1)/41.5 (1)/36.0 (1)
	Bypass mode	Ultra high/High/Low		dBA	27.0/26.5/20.5	28.0/27.0/21.0	34.5 (1)/32.0 (1)/28.0 (1)	38.0 (1)/35.0 (1)/29.5 (1)	38.0 (1)/34.5 (1)/30.5 (1)	40.0 (1)/36.5 (1)/30.5 (1)	42.5 (1)/40.0 (1)/32.5 (1)	42.0 (1)/39.0 (1)/32.5 (1)	45.0 (1)/41.0 (1)/35.0 (1)
Operation range	Around unit			°CDB	-		0°C~40°CDB, 80% RH or less						
Connection duct diameter				mm	100	150	200		250			2x250	
Power supply	Phase/Frequency/Voltage			Hz/V	1~ ; 50/60 ; 220-240/220								
Current	Maximum fuse amps (MFA)			A	15.0		16.0						
Specific energy consumption (SEC)	Cold climate			kWh/(m^2.a)	-56.0 (5)	-60.5 (5)	-						
	Average climate			kWh/(m^2.a)	-22.1 (5)	-27.0 (5)	-						
	Warm climate			kWh/(m^2.a)	-0.100 (5)	-5.30 (5)	-						
SEC class					D / See note 5	B / See note 5	-						
Maximum flow rate at 100 Pa ESP	Flow rate			m^3/h	130	207	-						
	Electric power input			W	129	160	-						
Sound power level (Lwa)				dB	40	43	51	54	58		61	62	65
Annual electricity consumption				kWh/a	18.9 (5)	13.6 (5)	-						
Annual heating saved	Cold climate			kWh/a	41.0 (5)	40.6 (5)	-						
	Average climate			kWh/a	80.2 (5)	79.4 (5)	-						
	Warm climate			kWh/a	18.5 (5)	18.4 (5)	-						

(1)Measured according to JIS B 8628 | (2)Measured at reference flow rate according to EN13141-7 | (5) At reference flow rate in accordance with commission regulation (EU) No 1254/2014

NEW GSIEKA

Electrical heater for VAM

- Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic

GSIEKA		10009	15018	20024	25030	35530[1]
Capacity	kW	0.9	1.8	2.4	3.0	3.0
Duct diameter	mm	100	150	200	250	355
Connectable VAM		VAM150FC9	VAM250FC9	VAM350,500J	VAM650J, VAM800J, VAM1000J	VAM1500J, VAM2000J

			GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530
Dimensions	Height	mm	171	221	271	321	426
	Depth	mm	100	150	200	250	355
	Width	mm	370	370	370	370	373
Minimum air velocity / airflow		m/s	1.5				
		m^3/h	45	100	170	265	535
Power supply			1~230 VAC/50Hz				
Nominal current		A	4.1	8.2	10.9	13.1	13.1
Heating power		kW	0.9	1.8	2.4	3.0	3.0
Connection duct diameter		mm	100	150	200	250	355
Operation range	Min.	°C	-40°C				
	Max.	°C	40°C				
	Rel. Humidity	%	90%				
Temperature sensor			10 kΩ at +25°C / TJ-K10K				
Temperature sensor range			- 30°C to 105°C				
Temperature set point range			- 10°C to 50°C				
LED indicators	LED 1	flashing every 5 seconds	heater is starting up				
		flashing every second	air flow detected, heating allowed				
		OFF	no power supply or no flow				
		ON	problem with duct temperature sensor, set point potentiometer or PTC airflow sensor				
	LED 2	OFF	heater is not operation				
		ON	heater is operating				
Ambient temperature adjacent to controller			0°C to +50°C				
Auto high temperature cut-out			50°C				
Manual reset high temperature cut-out			100°C				

Energy recovery ventilation, humidification and air processing

Post heating or cooling of fresh air for lower load on the air conditioning system

- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Humidification of the fresh air results in comfortable indoor humidity level, even during heating
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Low energy consumption thanks to DC fan motor
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- Can operate in over- and under pressure

VKM80-100GB(M)

Ventilation			VKM-GB/VKM-GBM		50GB	80GB	100GB	50GBM	80GBM	100GBM
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230
	Bypass mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/ 0.140	0.330/0.280/ 0.192	0.410/0.365/ 0.230	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230
Fresh air conditioning load	Cooling			kW	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0
	Heating			kW	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	76/76/77.5	78/78/79	74/74/76.5	76/76/77.5	78/78/79	74/74/76.5
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	64/64/67	66/66/68	62/62/66	64/64/67	66/66/68	62/62/66
	Heating	Ultra high/High/Low		%	67/67/69	71/71/73	65/65/69	67/67/69	71/71/73	65/65/69
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode					
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange					
Heat exchange element					Specially processed non-flammable paper					
Humidifier	System				-			Natural evaporating type		
Dimensions	Unit	HeightxWidthxDepth		mm	387x1,764x832	387x1,764x1,214		387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	94	110	112	100	119	123
Casing	Material				Galvanised steel plate					
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820	500/500/440	750/750/640	950/950/820
	Bypass mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820	500/500/440	750/750/640	950/950/820
Fan-External static pressure - 50Hz	Ultra high/High/Low			Pa	210/170/140	210/160/110	150/100/70	200/150/120	205/155/105	110/70/60
Air filter	Type				Multidirectional fibrous fleeces					
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	39/37/35	41.5/39/37	41/39/36.5	38/36/34	40/37.5/35.5	40/38/35.5
	Bypass mode	Ultra high/High/Low		dBA	40/38/35.5	41.5/39/37	41/39/36.5	39/36/34.5	41/38/36	41/39/35.5
Operation range	Around unit			°CDB	0°C~40°CDB, 80% RH or less					
	Supply air			°CDB	-15°C~40°CDB, 80% RH or less					
	Return air			°CDB	0°C~40°CDB, 80% RH or less					
	On coil temperature	Cooling/Max./Heating/Min.		°CDB	-15/43			-15/43		
Refrigerant	Control				Electronic expansion valve					
	Type				R-410A					
	GWP				2,087.5					
Connection duct diameter				mm	200	250		200	250	
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Water supply			mm	-			6.4		
	Drain				PT3/4 external thread					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current	Maximum fuse amps (MFA)			A	15					

Daikin's
air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?

Simplifying business

The unique total solution approach by Daikin helps businesses to propose better cross-pillar solutions, to increase their success ratio by providing unmatchable product combinations to the end-user and to simplify the life of installers by supplying high-quality products coming from the same manufacturer. Contrary to other manufacturers, Daikin does not use OEM products in its AHU with DX offer. Many competitors are either offering OEM DX outdoor units or OEM AHU which create additional problems when warranties or faults arise. **Having a single interface for your business makes Daikin the right choice.**

One-stop shop

Daikin is the only global manufacturer in the market **capable of offering a true Plug & Play solution** where Daikin AHUs manufactured by Daikin Applied Europe and certified by Eurovent, offer off-the-shelf compatibility with Daikin's unique VRV outdoor unit range for the best performance in the market. This unique integration of cross-pillar products under the same umbrella, gives the customer both peace-of-mind and added value when promoting a total solution approach.

Complete range of possibilities

Thanks to the **most complete offer in the market**, Daikin has the solution for all types of commercial applications requiring fresh air. Daikin provides ventilation solutions based on AHU from 2,500 m^3/h up to 140,000 m^3/h either with natural heat recovery or more advanced ventilation solutions where a VRV outdoor unit can be connected to the Daikin AHU for ultimate climate control. The harmonized control, between the VRV outdoor unit and the AHU, offer outstanding reliable operation of the system when connected to an iTM.

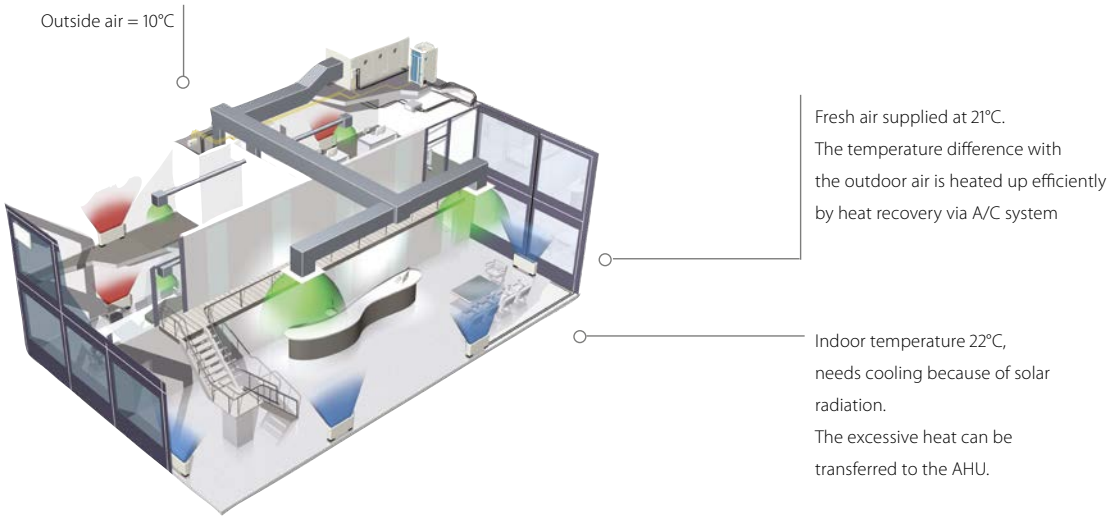
Advantages

- Unique manufacturer offering a complete range
- Plug & Play solution
- Direct iTM compatibility

Why use VRV and ERQ condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold fresh air.



Fast response to changing loads resulting in high comfort levels

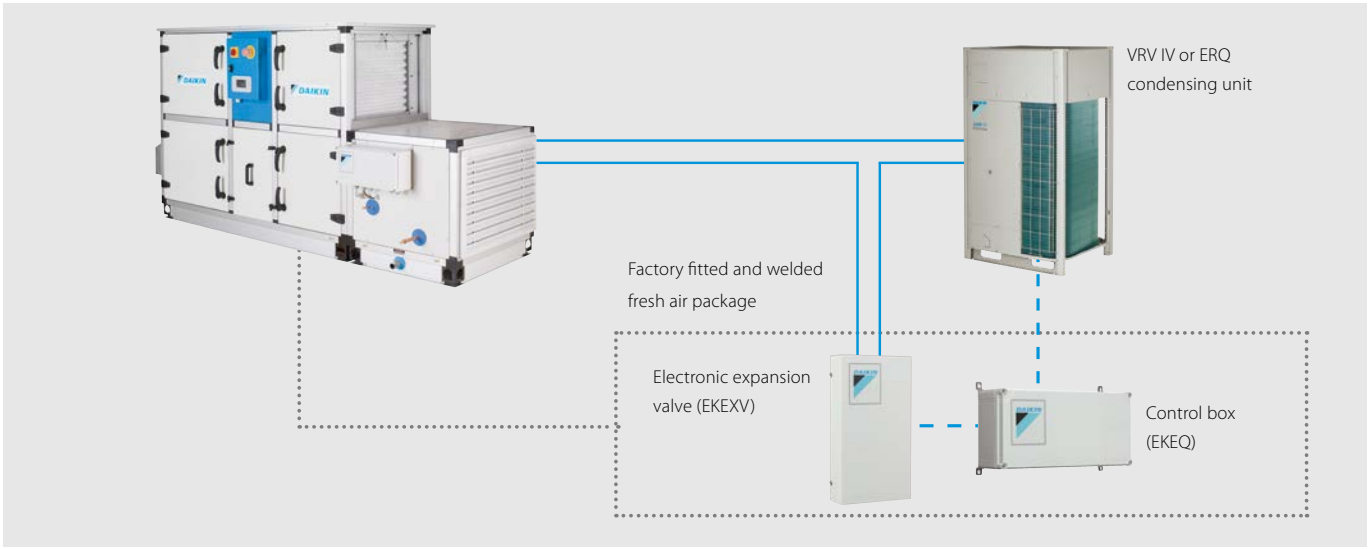
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc. are required. This also reduces both the total system investment and running cost.

Daikin Fresh air package

› Plug & Play connection between VRV/ERQ and the entire D-AHU modular range.
› Factory fitted and welded DX coil control and expansion valve kits.

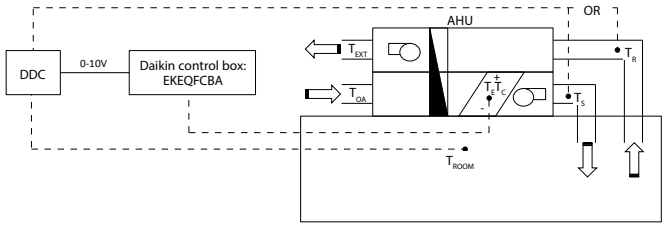


In order to maximise installation flexibility, 4 types of control systems are offered

W control: Off the shelf control of air temperature (discharge temperature, suction temperature, room temperature) via any DDC controller, easy to setup
X control: Precise control of air temperature (discharge temperature, suction temperature, room temperature) requiring a preprogrammed DDC controller (for special applications)
Z control: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
Y control: Control of refrigerant (Te/Tc) temperature via Daikin control (no DDC controller needed)

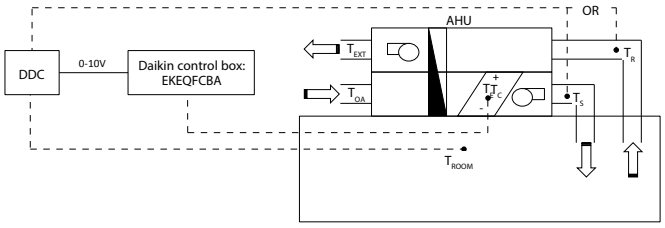
1. W control (T_S/T_R/T_{ROOM} control):

Air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V signal which is transferred to the Daikin control box (EKEQFCBA). This voltage modulates the capacity requirements of the outdoor unit.



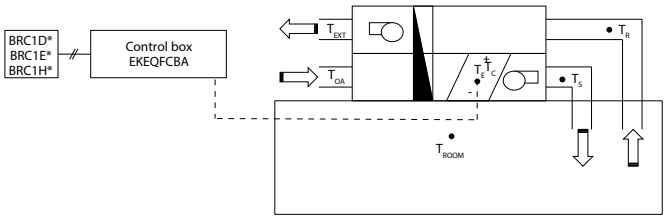
2. X control (T_S/T_R/T_{ROOM} control):

Precise air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



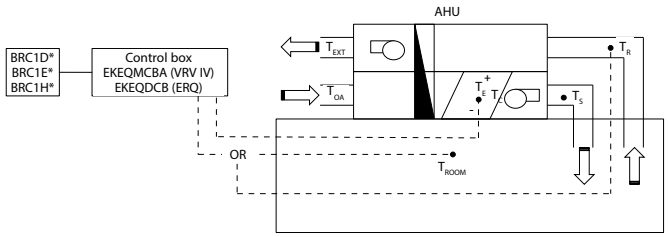
3. Y control (T_E/T_C control):

By fixed evaporating /condensing temperature
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control (T_S/T_{ROOM} control):

Control your AHU just like a VRV indoor unit with up to 100% fresh air
Allows the possibility to control the AHU just like a VRV indoor unit. Meaning temperature control will be focused on return air temperature from the room into the AHU. Requires BRC1* for operation. The only control that allows the combination of other indoor units to the AHU at the same time.



T_S = Supply air temperature
T_{EXT} = Extraction air temperature
T_R = Return air temperature
T_E = Evaporating temperature
T_{OA} = Outdoor air temperature
T_C = Condensing temperature
T_{ROOM} = Room air temperature

	Option kit	Features
Possibility W	EKEQFCBA	Off-the-shelf DDC controller that requires no pre-configuration
Possibility X		Pre-configured DDC controller required
Possibility Y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility Z	EKEQDCB EKFQMCBA*	Using Daikin infrared remote control BRC1* Temperature control using air suction temperature or room temperature (via remote sensor)

* EKEQMCB (for 'multi' application)

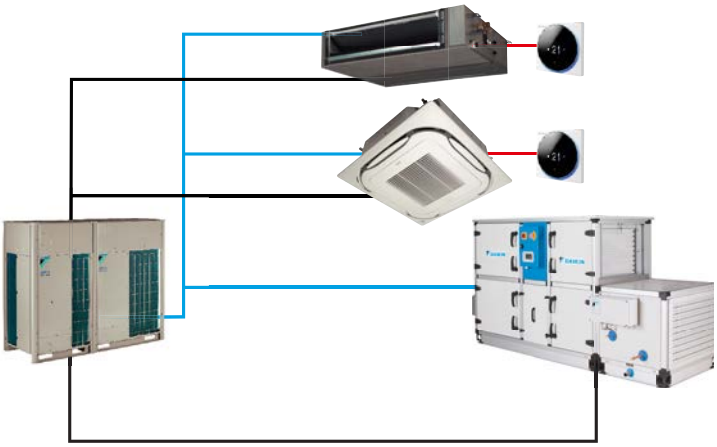
VRV - for larger capacities (from 8 to 54HP)

An advanced solution for both pair and multi application

› Inverter controlled units
› Heat recovery, heat pump
› R-410A
› Control of room temperature via Daikin control
› Large range of expansion valve kits available
› BRC1H519W/S/K is used to set the set point temperature (connected to the EKEQMCBA).
› Connectable to all VRV heat recovery and heat pump systems

W, X, Y control for VRV IV heat pump

Z control for all VRV outdoor units



Refrigerant piping
F1-F2
P1-P2

ERQ - for smaller capacities (from 100 to 250 class)

ERQ-AW1

A basic fresh air solution for pair application

› Inverter controlled units
› Heat pump
› R-410A
› Wide range of expansion valve kits available
› Perfect for the Daikin Modular air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.

Ventilation			**ERQ**	**100AV1**	**125AV1**	**140AV1**
Capacity range			HP	4	5	6
Cooling capacity	Nom.		kW	11.2	14.0	15.5
Heating capacity	Nom.		kW	12.5	16.0	18.0
Power input	Cooling	Nom.	kW	2.81	3.51	4.53
	Heating	Nom.	kW	2.74	3.86	4.57
EER				3.99		3.42
COP				4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320		
Weight	Unit		kg	120		
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	106		
	Heating	Nom.	m^3/min	102	105	
Sound power level	Cooling	Nom.	dBA	66	67	69
Sound pressure level	Cooling	Nom.	dBA	50	51	53
	Heating	Nom.	dBA	52	53	55
Operation range	Cooling	Min./Max.	°CDB	-5/46		
	Heating	Min./Max.	°CWB	-20/15.5		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	4.0		
			TCO_2eq	8.4		
	GWP			2,087.5		
	Control			Expansion valve (electronic type)		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Drain	OD	mm	26x3		
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)		A	32.0		

Ventilation			**ERQ**	**125AW1**	**200AW1**	**250AW1**
Capacity range			HP	5	8	10
Cooling capacity	Nom.		kW	14.0	22.4	28.0
Heating capacity	Nom.		kW	16.0	25.0	31.5
Power input	Cooling	Nom.	kW	3.52	5.22	7.42
	Heating	Nom.	kW	4.00	5.56	7.70
EER				3.98	4.29	3.77
COP				4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,680x930x765	
Weight	Unit		kg	159	187	240
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	95	171	185
	Heating	Nom.	m^3/min	95	171	185
Sound power level	Nom.		dBA	72	78	
Sound pressure level	Nom.		dBA	54	57	58
Operation range	Cooling	Min./Max.	°CDB	-5/43		
	Heating	Min./Max.	°CWB	-20/15		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	6.2	7.7	8.4
			TCO_2eq	12.9	16.1	17.5
	GWP			2,087.5		
	Control			Electronic expansion valve		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)		A	16	25	

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ140	P	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ200	P	P	-	-	-	-	P	P	P	P	P	-	-	
	ERQ250	P	P	-	-	-	-	-	P	P	P	P	-	-	
VRV III		-	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory
VRV IV H/P / VRV IV W-series VRV IV S-series		-	P (1 -> 3)	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	Possible (not mandatory)
VRV IV H/R VRV IV i-series		-	n1	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory

- P (pair application): combination depends on the capacity of the air handling unit
- n1 (multi application) - Combination of AHUs and VRV DX indoors (mandatory). To determine the exact quantity please refer to the engineering data book.
- n2 (multi application) - Combination of AHUs and VRV DX indoors (not mandatory). To determine the exact quantity please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

Capacity table

Cooling

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.0	5.6	6.2	1.33	1.65
63	6.3	7.1	7.8	1.66	2.08
80	7.9	9.0	9.9	2.09	2.64
100	10.0	11.2	12.3	2.65	3.30
125	12.4	14.0	15.4	3.31	4.12
140	15.5	16.0	17.6	4.13	4.62
200	17.7	22.4	24.6	4.63	6.60
250	24.7	28.0	30.8	6.61	8.25
400	35.4	45.0	49.5	9.26	13.2
500	49.6	56.0	61.6	13.2	16.5

Saturated evaporating temperature: 6°C
Air temperature: 27°C DB / 19°C WB

Heating

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.6	6.3	7.0	1.33	1.65
63	7.1	8.0	8.8	1.66	2.08
80	8.9	10.0	11.1	2.09	2.64
100	11.2	12.5	13.8	2.65	3.30
125	13.9	16.0	17.3	3.31	4.12
140	17.4	18.0	19.8	4.13	4.62
200	19.9	25.0	27.7	4.63	6.60
250	27.8	31.5	34.7	6.61	8.25
400	39.8	50.0	55.0	9.26	13.2
500	55.1	63.0	69.3	13.2	16.5

Saturated condensing temperature: 46°C
Air temperature: 20°C DB

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil	Heating Min.	°CDB	10 (1)									
	temperature	Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2.087,5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

Ventilation		EKEQ	FCBA	DCB	MCBA
Application			See note	Pair	Multi
Outdoor unit			ERQ / VRV	ERQ	VRV
Dimensions	Unit	mm	132x400x200		
Weight	Unit	kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230		

The combination of EKEQFCBA and ERQ is in pair application. The EKEQFCBA can be connected to some type of VRV IV outdoor units with a maximum of 3 control boxes. The combination with DX indoor units, hydroboxes, RA outdoor units, ... is not allowed. Refer to the combination table drawing of the outdoor unit for details.

Pair application selection

› **the outdoor unit is connected to ONE COIL (with single circuit or maximum 3 interlaced circuits) using up to 3 control boxes**
› **indoor unit combination is not allowed**
› **only works with X, W, Y control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. Load calculations point to a required capacity of 45kW.
By checking on the EKEXV capacity table, for cooling operation, 40kW falls within the 400 class valve. Since 40kW is not the nominal capacity, a class adjustment has to be done. 40/45=0,89 and 0,89x400=356. So the capacity class of the expansion valve kit is 356.

Step 2: Outdoor unit selection

For this AHU, a VRV IV heat pump model with continuous heating is going to be used (RYYQ-T series). For a capacity of 40kW at 35 ºCDB, an outdoor of 14HP (RYYQ14T) is selected. The capacity class of the 14 HP outdoor unit is 350.

Total connection ratio of the system is 356/350=102% hence it falls within the range 90-110%.

Step 3: Control box selection

In this particular case, the control will work with precise air temperature control. Only W or X control allow this. Since the consultant wants to use an "off-the-shelf" DDC module, the EKEQFCBA box with W control allows easy set-up due to pre-set factory values.

Multi application selection

› **the outdoor unit can be connected to MULTIPLE COILS (and their control boxes)**
› **indoor units are also connectable but not mandatory**
› **only works with Z control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. On top of this, for this building, 5 round-flow cassette units FXFQ50A will also be connected to this OU.
Load calculations point to a required capacity of 20kW for the AHU and 22,5 kW for the indoor untis.
By checking on the EKEXV capacity table, for cooling operation, 20kW falls within the 200 class valve. Since 22,4 kW is the nominal capacity, a class adjustment has to be done. 20/22,4=0,89 and 0,89x200=178. So the capacity class of the expansion valve kit is 178. Total capacity class of the indoor unit system is 178+250=428

Step 2: Outdoor unit selection

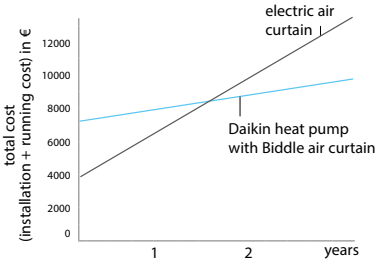
For this system where a AHU is connected with indoor units, it is mandatory to use a heat recovery unit. By consulting the engineering databook for REYQ-T, the total required capacity of 42,5 kW requires a 16HP model REYQ16T. Which will deliver 45kW at the design temperature of 35 ºCDB. This unit has a capacity class of 400. Total connection ratio of the system is 428/400=107% hence it falls within the range 50-110%.

Step 3: Control box selection

In this particular case, the only available control is Z control and the combination of AHU and VRV DX indoor units requires EKEQMCBA control box.

Biddle air curtain for ERQ

- Connectable to ERQ heat pump
- ERQ is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



				Small			Medium			
				CYQS150DK80 *BN/*SN	CYQS200DK100 *BN/*SN	CYQS250DK140 *BN/*SN	CYQM100DK80 *BN/*SN	CYQM150DK80 *BN/*SN	CYQM200DK100 *BN/*SN	CYQM250DK140 *BN/*SN
Heating capacity	Speed 3		kW	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006						
Dimensions	Unit	Height F/C/R	mm	270/270/270						
		Width F/C/R	mm	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561						
Required ceiling void >			mm	420						
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5						
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0		9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)						
Power supply	Voltage		V	230						

				Large			
				CYQL100DK125 *BN/*SN	CYQL150DK200 *BN/*SN	CYQL200DK250 *BN/*SN	CYQL250DK250 *BN/*SN
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

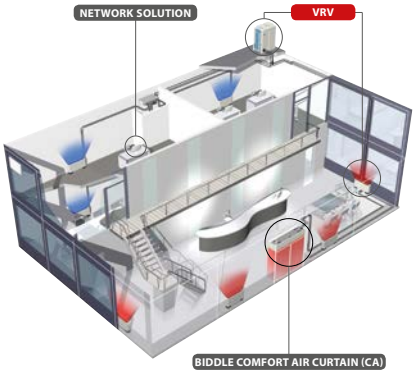
Biddle air curtain for VRV and Conveni-pack

- Connectable to VRV heat recovery, heat pump and Conveni-pack
- VRV is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity

CYVM150DK80FSC

CYVM150DK80CSC

CYVM150DK80RSC



				Small				Medium			
				CYVS100DK80 *BC/*SC	CYVS150DK80 *BC/*SC	CYVS200DK100 *BC/*SC	CYVS250DK140 *BC/*SC	CYVM100DK80 *BC/*SC	CYVM150DK80 *BC/*SC	CYVM200DK100 *BC/*SC	CYVM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006							
Dimensions	Unit	Height F/C/R	mm	270/270/270							
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561							
Required ceiling void >			mm	420							
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5							
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0			9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)							
Power supply	Voltage		V	230							

				Large			
				CYVL100DK125*BC/*SC	CYVL150DK200*BC/*SC	CYVL200DK250*BC/*SC	CYVL250DK250*BC/*SC
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

		Heat Recovery Ventilation - Modular L (Smart)						
		ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/ RBS	ALB06,07LBS/ RBS	VAM 150FC9	VAM 250FC9	VAM 350J
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•
	Madoka **BRC1H519W7** (White) / **BRC1H519S7** (Silver) / **BRC1H519K7** (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•
Centralised control systems	**DCC601A51** intelligent Tablet Controller	•	•	•	•	•	•	•
	DCS601C51 intelligent Touch Controller	•	•	•	•	•	•	•
	DCS302C51 Central remote control	•	•	•	•	•	•	•
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•
	DST301B51 Schedule timer	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•
	EKMBDXA Modbus interface	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A			
	ePM_{10} 75% (M5)	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A			
	ePM_{10} 70% (M6)							EKAFVJ50F6
	ePM_1 50% (F7)	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A			
	ePM_1 55% (F7)							EKAFVJ50F7
	ePM_1 70% (F8)							EKAFVJ50F8
	ePM_1 80% (F9)	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A			
	High efficiency filter							
	Replacement air filter							
Mechanical accessories	Rail	ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA			
	Rectangular to round duct transition	ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA			
	Separate plenum							
CO_2 sensor		BRYMA200	BRYMA200	BRYMA200	BRYMA200			BRYMA65
Electrical heater NEW		ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB	GSIEKA10009	GSIEKA15018	GSIEKA20024
Silencer (900mm depth)		ALS0290A	ALS0390A	ALS0590A	ALS0790A			
Electrical accessories	Wiring adapter for external monitoring/control (controls 1 entire system)					KRP2A51	KRP2A51	KRP2A51 (2)
	Adapter PCB for humidifier					KRP50-2	KRP50-2	KRP1C4 (5)
	Adapter PCB for third party heater					BRP4A50	BRP4A50	BRP4A50A (4)
	External wired temperature sensor							
	Adapter PCB Mounting plate							

Notes

(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)

(2) Installation box KRP1BA101 needed

(3) Adapter PCB mounting plate needed, applicable model can be found in the table above

(4) 3rd party heater and 3rd party humidifier cannot be combined

(5) Installation box KRP50-2A90 needed

(6) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

(7) Available only with optional plenum

Energy recovery ventilation - VAM						Energy recovery ventilation VKM			Air handling unit applications		
VAM 500J	VAM 650J	VAM 800J	VAM 1000J	VAM 1500J	VAM 2000J	VKM 50GB (M)	VKM 80GB (M)	VKM 100GB (M)	EKEQ FCBA (1)	EKEQ DCB (1)	EKEQ MCBA (1)
•	•	•	•	•	•						
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
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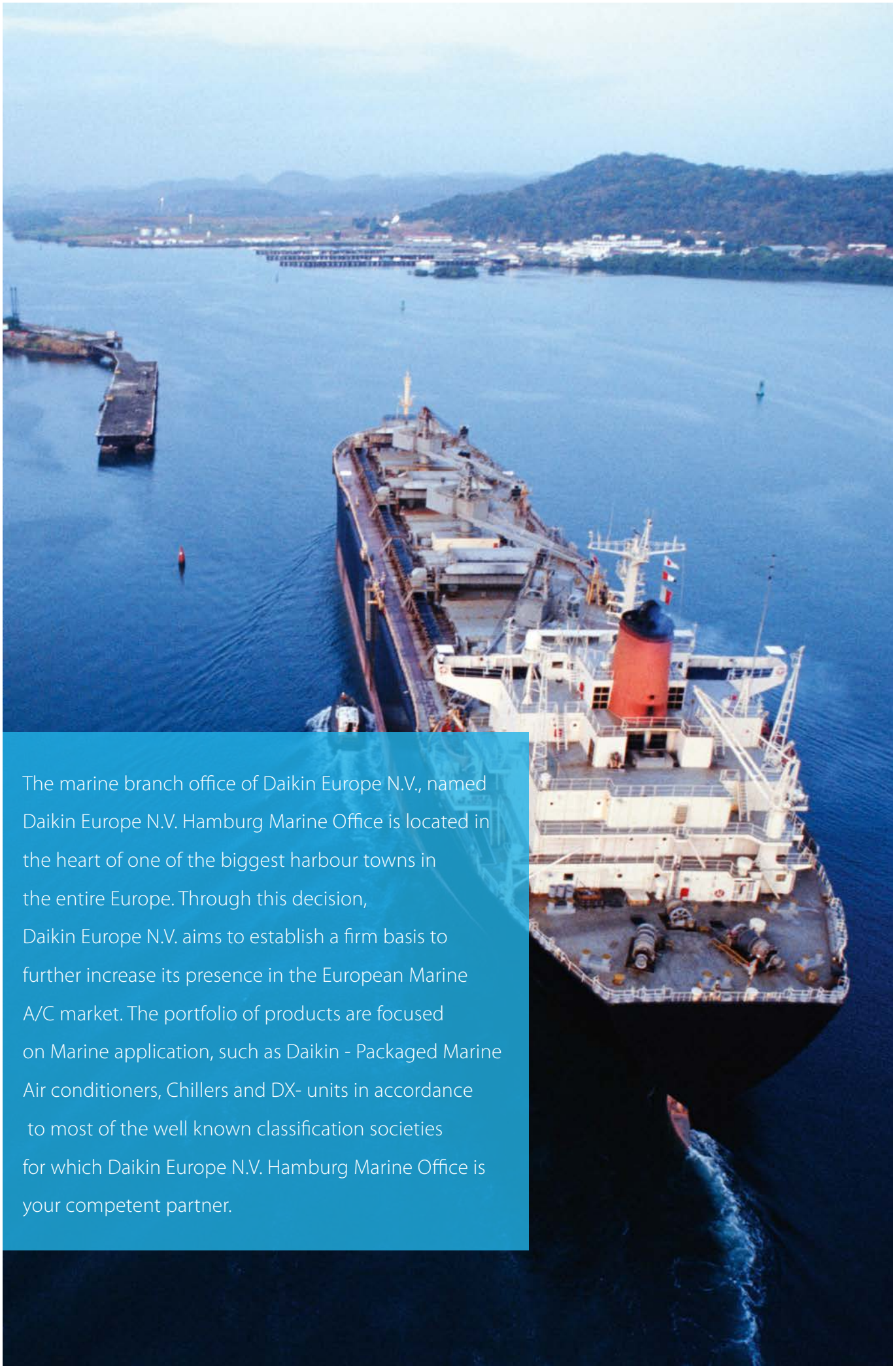
•	•	•	•	•	•	•	•	•			
EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
						KAF242H80M	KAF242H100M	KAF242H100M			
						KAF241H80M	KAF241H100M	KAF241H100M			
				EKPLEN200 (6)	EKPLEN200 (6)						
BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA200			
GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (7)							
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
KRP1C4 (5)	KRP1C4 (3/5)	KRP1C4 (5)	KRP1C4 (5)	KRP1C4 (3/5)	KRP1C4 (3/5)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
										KRCS01-1	
	EKMP65VAM			EKMPVAM							



The marine branch office of Daikin Europe N.V., named Daikin Europe N.V. Hamburg Marine Office is located in the heart of one of the biggest harbour towns in the entire Europe. Through this decision, Daikin Europe N.V. aims to establish a firm basis to further increase its presence in the European Marine A/C market. The portfolio of products are focused on Marine application, such as Daikin - Packaged Marine Air conditioners, Chillers and DX- units in accordance to most of the well known classification societies for which Daikin Europe N.V. Hamburg Marine Office is your competent partner.

USDN25(HB) / USDP25(GB) / USDN*(JB1) (JB2) / USDP*(JB1) (JB2)

Daikin Marine Type Deck Units

- Energy saving
- Compact design
- Refrigerants R407H - R-407C
- Economical maintenance
- Easy installation
- Hermetic scroll compressor
- Minimum piping and field work required
- High performance reliability
- Lesser refrigerant volum with leak proof hermetic structure
- High static pressure fan facilitates the use of long ducts
- Quiet, less vibration operation makes it suitable for installation in accomodation areas

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume

USP*H (R1) (B) (TG) (BTG) / USN*HB / USN (G) (C)*HB / USP (G) (C)*HB

Daikin Marine Type Packaged Series

- Excellent durability
- Hermetic scroll compressor
- Light weight design
- Refrigerants: R-407H - R-407C
- Resilient structure specially designed for marine applications
- Abundant modification parts assures various applications
- Wide operation range
- Easy transportation and installation
- Energy-saving
- Complete set of spare parts provided for certain models

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume

USFN*(JB) (JC) / USFP*(JB) (JC)

Daikin Marine Type Galley Series

- Respond to a wide temperature range
- High efficient operation
- Outstanding durable design
- Easy transportation and installation
- Excellent performance reliability
- Spare parts are provided as standard accessories
- Hermetic scroll compressor
- High static pressure system
- R407H, R-407C

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume

RHSD~A / RKS~FR Unit

Daikin Marine Type Small Size Condensing

RHSD-A (R-134a):
- A semi-hermetic reciprocating compressor with proven reliability
- Saved maintenance work around compressor (without V belts & shaft seal)

RKS-FR (R-407H):
- An open type reciprocating compressor of optimum design for R-407H
- Equal installation & maintenance as for R-22 or R-404A

Daikin chillers offer the ultimate in reliability and flexibility — a reflection of the advanced technology inherent within them. Daikin chillers represent the sure and safe route to a comfortable environment and a process cooling solution that is clean and consistent.

Chillers

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For latest data, please consult my.daikin.eu

Daikin chillers

Why choose Daikin chillers?

Daikin chillers are the perfect bridge between project requirements and customer satisfaction.

From the smallest chillers to the very largest, our quality control and attention detail is absolute.

Our systems have the **most advanced technologies**, deliver **the highest energy efficiencies** and **lowest running costs**, and are the gold standard for reliability and performance.

The widest and most flexible chiller portfolio

› From the smallest mini chiller for residential use to the largest chiller for district cooling
› Tailor made solutions based on the most advanced technologies
› Wide range of options and accessories

Worldwide experience in chiller design and manufacturing

› World's most advanced facilities for air conditioning research and development: the Applied Development Center in Minneapolis, Minnesota
› Inhouse development and manufacturing of chiller main components (compressors, fans, condenser coils, software, etc...)
› Chillers produced in European factories, in Milan and Ostend

The highest efficiency for every installation

› Inverter technology over the whole capacity range
› The lowest total cost of ownership and fast payback time

Quality and reliability

› Daikin's integrated zero defect policy ensures quality of components and finished products
› Each Daikin chiller is factory run-tested and subjected to quality audit before shipment

Benefits for installers

› Plug & play solutions
› Maximum serviceability
› Ideal solutions for retrofit projects

Benefits for consultants

› Energy efficient solutions without compromising on reliability and performance
› Latest technology embedded in all our products

Benefits for end users

› Remarkable savings on running costs
› Easy to customise the chiller to your application, environment and need thanks to more than 150 different options.

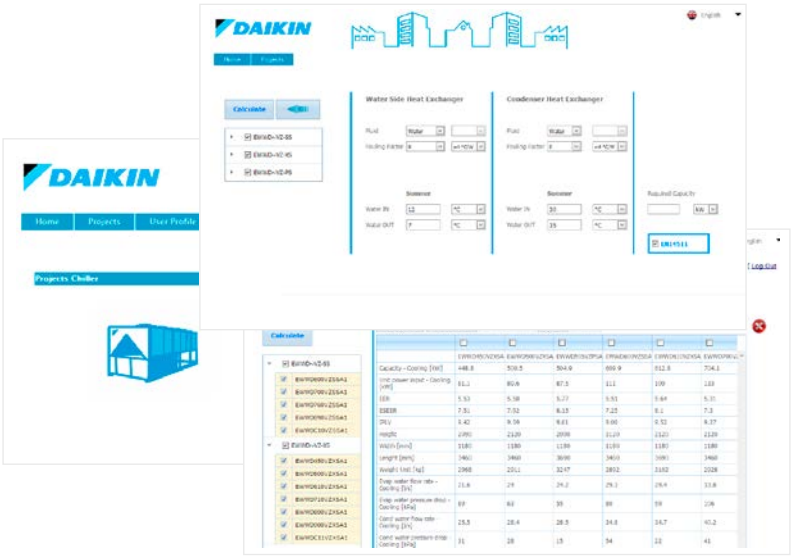
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/



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Supporting tools

Business portal

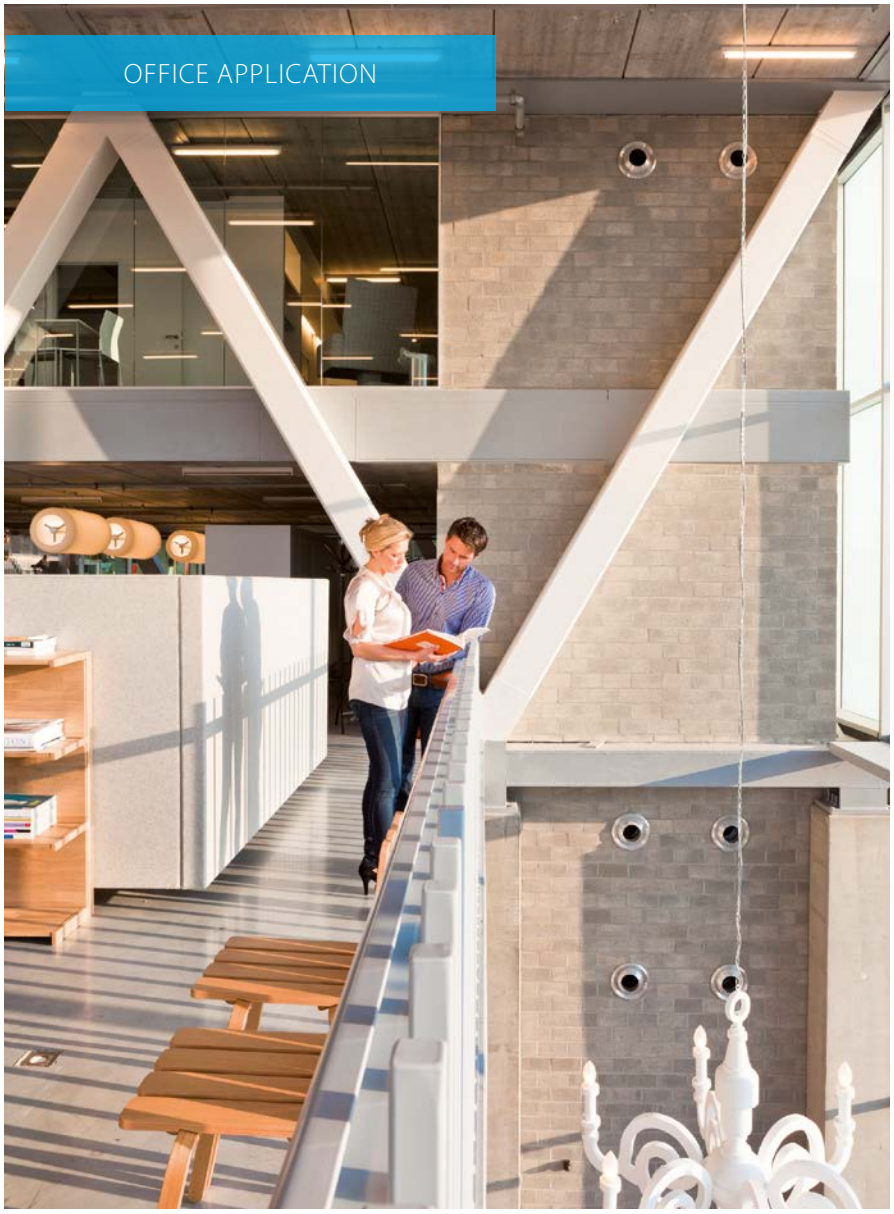
› Experience our extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

Website

› www.daikin.eu/en_us/product-group/chillers.html
› Explore our product range
› Find our solutions for applications
› Get more commercial details on our flagship products

Literature

› Download or consult our literature for our professional network and end-customers


OFFICE APPLICATION

AIR COOLED CHILLER INSTALLATION

AIR COOLED CHILLER INSTALLATION

INDUSTRIAL APPLICATION

HOTEL
APPLICATION

DATA CENTER
APPLICATION

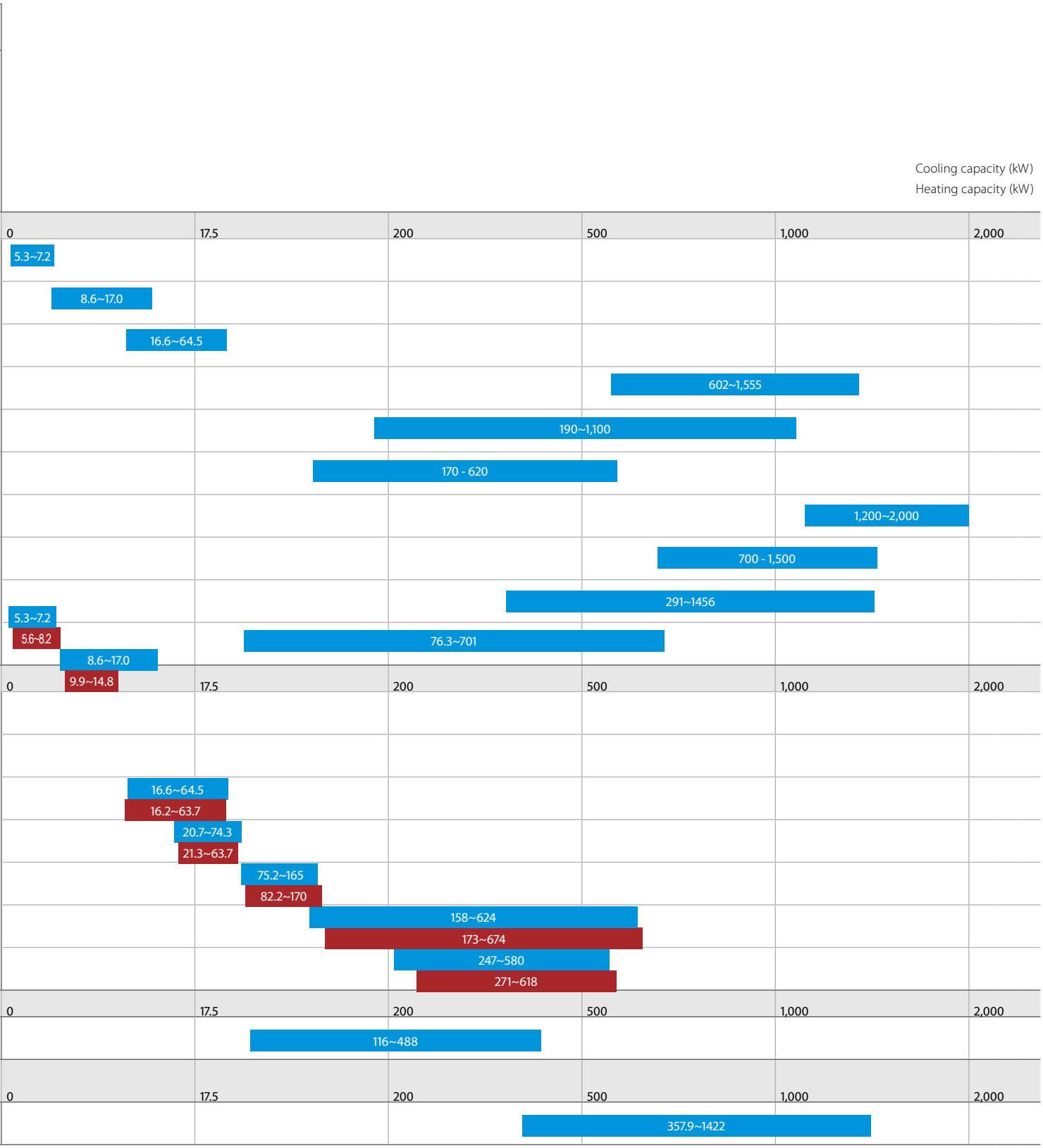
DAIKIN

PROCESS COOLING
APPLICATION

Products overview

		Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version			Sound version		
						Swing	Scroll	Screw	Plate **	Single pass shell and tube	Standard	High	Premium	Standard	Low	Reduced
Cooling only																
EWAQ~BVP		R-410A	1	●		●			● BPHE		●			●		
EWAQ~ACV3/ACW1		R-410A	1	●			●		● BPHE		●			●		
EWAQ~CWN/P/H		R-410A	1-2	●			●		● BPHE		●			●		
EWAD~CF		R-134a	2		●			●		●		●		●	●	●
EWAD-TZ B		R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ B		R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-TZ C NEW		R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ C NEW		R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-T-		R-134a	2					●		●	●	●	●	●	●	●
EWAT-B		R-32	1-2				●		●		●	●	●	●	●	●
Heat pump																
EWYQ~BVP		R-410A	1	●		●			● BPHE		●			●		
EWYQ~ACV3/ACW1		R-410A	1	●			●		● BPHE		●			●		
EWYQ~CWN/P/H		R-410A	1-2	●			●		● BPHE		●			●		
SEHVX-BW SERHQ-BW1		R-410A	1	●			●		● BPHE		●			●		
EWYQ~G-		R-410A	1				●		● BPHE			●		●		●
EWYQ~F-		R-410A	1-2				●		●			●		●	●	●
EWYD~BZ		R-134a	2-3	●				●		●	●			●	●	
Condensing unit																
ERAD~E-		R-134a	1					●			●			●	●	
Multipurpose unit																
EWYD-4Z NEW		R-134a	2	●				●		●		●		●	●	●

* (GWP) : R-410A (2087.5), R-134a (1430) - ** BPHE: Brazed plate heat exchanger

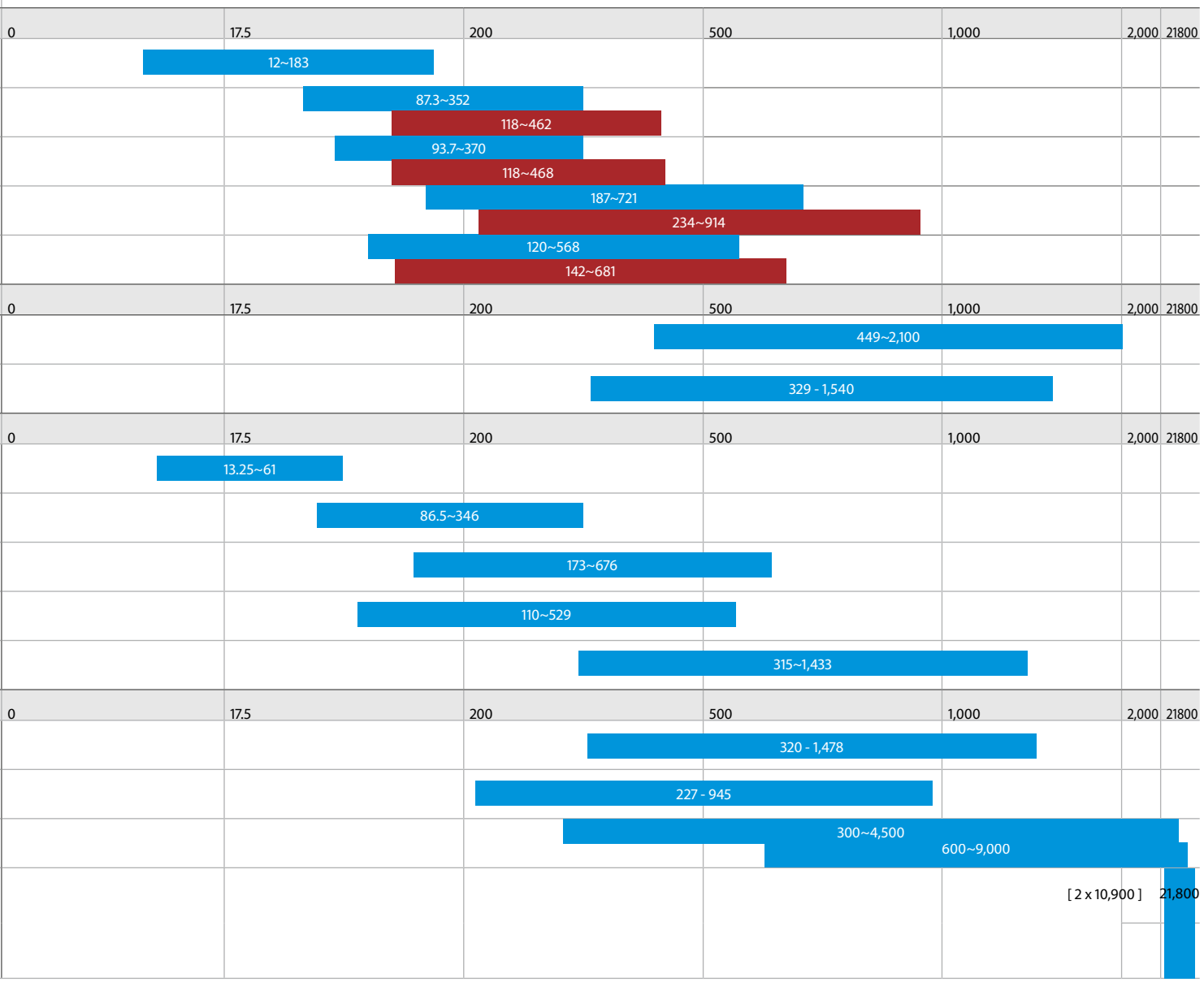

Cooling capacity (kW)
Heating capacity (kW)
0
17.5
200
500
1,000
2,000
5.3~7.2
8.6~17.0
16.6~64.5
602~1,555
190~1,100
170 - 620
1,200~2,000
700 - 1,500
291~1456
5.3~7.2
5.6~8.2
76.3~701
8.6~17.0
9.9~14.8
16.6~64.5
16.2~63.7
20.7~74.3
21.3~63.7
75.2~165
82.2~170
158~624
173~674
247~580
271~618
116~488
357.9~1422

Products overview

		Refrigerant Type *	Refrigerant circuits	Inverter	Compressor			Water heat exchanger			Efficiency version			Sound version
					Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chillers (Cooling only & Heating only)														
EWWQ-KBW1N		R-410a	1-2		●			●			●			●
EWHQ~G-		R-410A	1		●			●			●			●
EWWQ~G-		R-410A	1		●			●			●			●
EWWQ~L-		R-410A	2		●			●			●			●
EWWD~J-		R-134a	1-2			●		●			●			●
Water cooled chillers (Cooling only)														
EWWD-VZ		R-134a	1	●		●				● Flooded	●	●	●	●
EWWH-VZ NEW		R-1234ze(E)	1	●		●				● Flooded	●	●	●	●
Condenserless chillers														
EWLQ-KBW1N		R-410a	1-2		●			● BPHE			●			●
EWLQ~G-		R-410A	1		●			●			●			●
EWLQ~L-		R-410A	2		●			●			●			●
EWLD~J-		R-134a	1-2			●		●			●			●
EWLD~I-		R-134a	1-2-3			●			●		●			●
Water cooled centrifugal chillers														
EWWD-DZ NEW		R-134a	1				●			●		●		●
EWWH-DZ NEW		R-1234ze(E)	1				●			●		●		●
DWSC DWDC		R-134a	1	optional			●		● Flooded			●		●
6,000 RT CENTRIFUGAL		R-134a	2 per chiller				●		● Flooded			●		●

* (GWP) : R-410A (2087.5), R-134a (1430), R-407C (1773.9) - ** BPHE: Brazed plate heat exchanger

Cooling capacity (kW)
Heating capacity (kW)



Air cooled mini inverter chiller

- Top product in terms of energy efficiency and operation range
- All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
- Easy‚plug and play' installation
- Amongst the most quiet units in the market (63dBA - sound power)
- Single phase power supply and low starting currents make the unit ideal for residential applications
- Weight reduced with 20% compared with the previous models.
- Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.

EWAQ-BVP EKRUMCL1

Cooling Only				EWAQ-BVP	004	005	006	008
Space cooling	A Condition 35°C	Pdc		kW	4.00	4.93	5.88	7.95
	ηs,c			%	172	173	174	178
SEER					4.38	4.39	4.42	4.53
Cooling capacity	Nom.			kW	4.00 (1) / 4.01 (2)	4.93 (1) / 5.07 (2)	5.88 (1) / 6.07 (2)	7.95 (1) / 8.23 (2)
Power input	Cooling	Nom.		kW	1.27 (1) / 0.840 (2)	1.61 (1) / 1.12 (2)	1.87 (1) / 1.13 (2)	2.57 (1) / 1.65 (2)
Capacity control	Method				Variable (inverter)			
EER					3.14 (1) / 4.80 (2)	3.06 (1) / 4.51 (2)	3.15 (1) / 5.35 (2)	3.10 (1) / 4.99 (2)
ESEER					4.45	4.49	5.25	5.24
Dimensions	Unit	Height		mm	735		997	
		Width		mm	1,090		1,160	
		Depth		mm	350		380	
Weight	Unit			kg	83		106	
Water heat exchanger	Type				Brazed plate			
	Water volume			l	1		2	
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins	
Compressor	Type				Hermetically sealed swing compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	53		72 (1)	
Sound power level	Cooling	Nom.		dBA	63.0 (1)	64.0 (1)	69.0 (1)	
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	52.0	53.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43		10~46	
	Water side	Cooling	Min.~Max.	°CDB	5~22			
Refrigerant	Type/GWP				R-410A/2,088		R-410A/2,087.5	
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	2.10		2.70	
	Per circuit			TCO2Eq	4.4		5.6	
Water circuit	Piping connections diameter			inch	1" MBSP			
Unit	Starting current	Max		A	15.7		19.9	
	Running current	Max		A	15.7		19.9	
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/230			

(1)Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C | (2)Cooling: entering evaporator water temp. 23°C; leaving evaporator water temp. 18°C

Air cooled mini inverter chiller

- Inverter technology to ensure low sound values and leader-of-class ESEER
- Wide operating range
- Built-in hydronic module: no buffer tank required and a standard pump and main switch are included
- Easy‚plug and play' installation
- Single phase power supply for residential applications, three phase power supply model available for light commercial applications

EWAQ-ACV3/ACW1

Digital controller

Cooling Only				EWAQ	009ACV3	010ACV3	011ACV3	009ACW1	011ACW1	013ACW1
Space cooling	A Condition 35°C	Pdc		kW	8.49	9.89	11.2	8.75	11.0	13.2
	ηs,c			%	162	169	171	155	163	
SEER					4.13	4.29	4.35	3.94	4.16	4.15
Cooling capacity	Nom.			kW	12.2 (1) / 8.60 (2)	13.6 (1) / 9.60 (2)	15.7 (1) / 11.1 (2)	12.9 (1) / 9.10 (2)	15.7 (1) / 11.1 (2)	17.0 (1) / 13.3 (2)
Power input	Cooling	Nom.		kW	2.85 (1) / 2.83 (2)	3.41 (1) / 3.28 (2)	4.13 (1) / 3.90 (2)	3.08 (1) / 3.05 (2)	4.13 (1) / 3.90 (2)	5.52 (1) / 5.18 (2)
Capacity control	Method				Variable (inverter)					
EER					4.27 (1) / 3.05 (2)	4.00 (1) / 2.93 (2)	3.79 (1) / 2.85 (2)	4.19 (1) / 2.99 (2)	3.79 (1) / 2.85 (2)	3.08 (1) / 2.57 (2)
ESEER					4.31	4.30	4.33	4.43	4.44	4.36
Dimensions	Unit	Height		mm	1,435					
		Width		mm	1,420					
		Depth		mm	382					
Weight	Unit			kg	168					
Water heat exchanger	Type				Brazed plate					
	Water volume			l	1.01					
Air heat exchanger	Type				Hi-XSS					
Compressor	Type				Hermetically sealed scroll compressor					
	Quantity				1					
Fan	Type				Propeller fan					
	Quantity				2					
	Air flow rate	Cooling	Nom.	m^3/min	96.0	100	97.0	96.0		100
Sound power level	Cooling	Nom.		dBA	64.0					66.0
Sound pressure level	Cooling	Nom.		dBA	51.0					52.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~46					
	Water side	Cooling	Min.~Max.	°CDB	5~20					
Refrigerant	Type/GWP				R-410A/2,087.5					
	Control				Electronic expansion valve					
	Circuits	Quantity			1.00					
Refrigerant charge	Per circuit			kg	2.95					
	Per circuit			TCO2Eq	6.16					
Water circuit	Piping connections diameter			inch	G 5/4" (female)					
	Piping			inch	5/4"					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			3N~/50/400		

(1)Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C) | (2)Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C)

Air cooled scroll inverter chiller

› Inverter chiller
› High part load efficiency for low running cost
› Minimal starting currents
› No buffertank required for standard applications
› Daikin scroll compressor
› Wide operation range
› Integrated hydronic module on request

EWAQ-CWN BRC21A52

Cooling Only					EWAQ-CWN	016	021	025	032	040	050	064
Space cooling	A Condition 35°C	Pdc			kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
	ηs,c				%	168	163	165	154	164	165	154
Cooling capacity	Nom.				kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
Power input	Cooling	Nom.			kW	5.93	7.61	9.60	12.9	15.1	19.2	25.7
Capacity control	Method					Inverter controlled						
	Minimum capacity				%	25						
EER						2.84	2.77	2.63	2.45	2.79	2.63	2.46
ESEER						4.37	4.26	4.17	3.87	4.28	4.18	3.87
Dimensions	Unit	Height			mm	1,684						
		Width			mm	1,370			1,680	2,360		2,980
		Depth			mm	774				780		
Weight	Unit				kg	268	321		403	579		741
Water heat exchanger	Type					Brazed plate						
	Water volume				l	3			5	6		9
	Water pressure drop	Cooling	Total		kPa	8	10	14	8	10	14	8
Air heat exchanger	Type					Air cooled coil						
Compressor	Type					Hermetically sealed scroll compressor						
	Quantity					1	2		3	4		6
Fan	Type					Axial						
	Quantity					1			2			4
	Air flow rate	Cooling	Nom.		m^3/min	171	185		233	370		466
Sound power level	Cooling	Nom.			dBA	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	-5~43						
	Water side	Cooling	Min.~Max.		°CDB	-10~20						
Refrigerant	Type/GWP					R-410A/2,087.5						
	Control					Electronic expansion valve						
	Circuits	Quantity				1				2		
Refrigerant charge	Per circuit				kg	7.60			9.60	7.60		9.60
	Per circuit				TCO2Eq	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter				inch	1-1/4" (female)				2" (female)		
	Piping				inch	1-1/4"				1-1/2"		
Unit	Starting current	Max			A	0.0	77.7	78.7	88.7	99.8	101.9	120.7
	Running current	Max			A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/400						

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- EWAQ-CWP: Version with standard pump
- EWAQ-CWH: Version with optional high static pump

EWAQ-CWP/CWH

BRC21A52

Cooling Only					EWAQ	016CWP	021CWP	025CWP	032CWP	040CWP	050CWP	064CWP	016CWH	021CWH	025CWH	032CWH	040CWH	050CWH	064CWH
Space cooling	A Condition 35°C	Pdc			kW	17.0	21.2	25.5	31.8	42.3	50.7	63.4	17.1	21.3	25.5	31.8	42.4	50.8	63.5
	ηs,c				%	184	178	180	163	168	172	161	178	173	176	161	163	168	158
Cooling capacity	Nom.				kW	17.0	21.2	25.5	31.8	42.3	50.7	63.3	17.0	21.2	25.5	31.8	42.3	50.7	63.3
Power input	Cooling	Nom.			kW	5.81	7.47	9.45	12.7	15.1	19.0	25.5	5.81	7.47	9.45	12.7	15.1	19.0	25.5
Capacity control	Method					Inverter controlled													
	Minimum capacity				%	25													
EER						2.93	2.84	2.70	2.50	2.80	2.67	2.48	2.93	2.84	2.70	2.50	2.80	2.67	2.48
ESEER						4.85	4.70	4.57	4.10	4.40	4.36	4.05	4.69	4.58	4.47	4.06	4.27	4.26	3.98
Dimensions	Unit	Height			mm	1,684													
		Width			mm	1,370			1,680	2,360		2,980	1,370			1,680	2,360		2,980
		Depth			mm	774				780			774				780		
Weight	Unit				kg	280	332		414	604		765	283	336		417	612		774
Water heat exchanger	Type					Brazed plate													
	Water volume				l	3			5	6		9	3			5	6		9
	Water pressure drop	Cooling	Total		kPa	8	10	14	8	10	14	8		10	14	8	10	14	8
Air heat exchanger	Type					Air cooled coil													
Compressor	Type					Hermetically sealed scroll compressor													
	Quantity					1	2		3	4		6	1	2		3	4		6
Fan	Type					Axial													
	Quantity					1			2			4	1			2			4
	Air flow rate	Cooling	Nom.		m^3/min	171	185		233	370		466	171	185		233	370		466
Sound power level	Cooling	Nom.			dBA	78.0			80.0	81.0		83.0	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	-5~43													
	Water side	Cooling	Min.~Max.		°CDB	-10~20													
Refrigerant	Type/GWP					R-410A/2,087.5													
	Control					Electronic expansion valve													
	Circuits	Quantity				1				2			1				2		
Refrigerant charge	Per circuit				kg	7.60			9.60	7.60		9.60	7.60			9.60	7.60		9.60
	Per circuit				TCO2Eq	15.9			20.0	15.9		20.0	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter				inch	1-1/4" (female)				2" (female)			1-1/4" (female)				2" (female)		
	Piping				inch	1-1/4"				1-1/2"			1-1/4"				1-1/2"		
Unit	Starting current	Max			A	0.0	77.7	78.7	88.7	99.8	101.9	120.7	0.0	79.9	81.7	91.7	103.7	106.3	125.1
	Running current	Max			A	22.2	25.3	26.4	35.2	47.4	49.6	67.2	24.4	27.5	29.4	38.2	51.3	54.0	71.6
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/400													

Air cooled screw chiller with free cooling, high efficiency, standard/low sound

› Free cooling chiller for space cooling and industrial processes
› Stepless single-screw compressor
› Greater energy savings and reduced CO2 emissions during cold season
› Wide operating range
› MicroTech III controller with superior control logic and easy interface

Cooling only					EWAD-CFXS/XL	640	770	850	900	C10	C11	C12	C13	C14	C15	C16
Cooling capacity	Nom.			kW		640 (1) / 415 (2)	772 (1) / 510 (2)	852 (1) / 583 (2)	902 (1) / 612 (2)	1,027 (1) / 701 (2)	1,089 (1) / 734 (2)	1,269 (1) / 902 (2)	1,349 (1) / 957 (2)	1,435 (1) / 963 (2)	1,493 (1) / 1,013 (2)	1,555 (1) / 1,039 (2)
Power input	Cooling	Nom.		kW		257 (1) / 53.7 (2)	272 (1) / 62.0 (2)	293 (1) / 64.7 (2)	324 (1) / 69.8 (2)	360 (1) / 75.7 (2)	399 (1) / 83.4 (2)	397 (1) / 86.4 (2)	439 (1) / 92.8 (2)	454 (1) / 101 (2)	492 (1) / 109 (2)	530 (1) / 115 (2)
Capacity control	Method					Stepless										
	Minimum capacity			%		12.5										
EER						2.49 (1) / 11.91 (2)	2.84 (1) / 12.44 (2)	2.90 (1) / 13.17 (2)	2.78 (1) / 12.93 (2)	2.85 (1) / 13.56 (2)	2.73 (1) / 13.05 (2)	3.19 (1) / 14.68 (2)	3.08 (1) / 14.55 (2)	3.16 (1) / 14.21 (2)	3.04 (1) / 13.72 (2)	2.93 (1) / 13.50 (2)
ESEER						3.44	3.52	3.78	3.50	3.74	3.54	3.88	3.78	4.01	3.96	3.85
IPLV						3.86	4.03	4.10	4.05	4.00	3.95	4.36	4.25	4.36	4.35	4.26
Dimensions	Unit	HeightxWidthxDepth		mm		2,565 x2,480 x6,300	2,565 x2,480 x7,200	2,565x2,480x8,100		2,565 x2,480 x9,000		2,565x2,480x10,800				
Weight (XS)	Unit			kg		7,760	8,340	8,900		10,160	10,420	11,900		12,540	12,620	12,670
	Operation weight			kg		8,515	9,100	9,705		11,169	11,429	13,276		14,516	14,596	14,646
Weight (XL)	Unit			kg		8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg		8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type					Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s		27.8 (1) / 27.8 (2)	33.5 (1) / 33.5 (2)	37.0 (1) / 37.0 (2)	39.2 (1) / 39.2 (2)	44.6 (1) / 44.6 (2)	47.3 (1) / 47.3 (2)	55.1 (1) / 55.1 (2)	58.6 (1) / 58.6 (2)	62.4 (1) / 62.4 (2)	64.9 (1) / 64.9 (2)	67.6 (1) / 67.6 (2)
	Water pressure drop	Cooling	Nom.	kPa		85 (1) / 128 (2)	105 (1) / 172 (2)	90 (1) / 178 (2)	101 (1) / 198 (2)	111 (1) / 245 (2)	124 (1) / 272 (2)	98 (1) / 232 (2)	110 (1) / 259 (2)	139 (1) / 305 (2)	150 (1) / 328 (2)	162 (1) / 354 (2)
	Water volume			l		741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type					High efficiency fin and tube type										
Compressor	Type					Asymmetric single screw compressor										
	Quantity					2										
Fan	Type					Direct propeller										
	Air flow rate	Nom.		l/s		50,368	60,441	70,515		80,588		95,253				
Sound power level (XS)	Cooling	Nom.		dBA		100.0		101.0			102.0		103.0			
Sound power level (XL)	Cooling	Nom.		dBA		96.0	97.0			98.0		99.0				
Sound pressure level (XS)	Cooling	Nom.		dBA		79.0	80.0				81.0	80.0				
Sound pressure level (XL)	Cooling	Nom.		dBA		76.0	77.0									
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20~45										
	Water side	Cooling	Min.~Max.	°CDB		-8~15										
Refrigerant	Type/GWP					R-134a/1,430										
	Circuits	Quantity				2										
Refrigerant charge				kg/TCO2Eq		64.0/91.5	73.0/104.4	81.0/115.8		91.0/130.1		107.0/153.0		112.5/160.9	124.0/177.3	
Piping connections	Evaporator water inlet/outlet (OD)					DN150PN16(168.3mm)				DN200PN16(219.1mm)				DN250PN16(273mm)		
Unit	Starting current	Max		A		605	619	658		924	971	1,030			1,073	1,086
	Running current	Cooling	Nom.	A		404	430	467	515	568	628	636	701	720	773	825
		Max		A		476	510	561	605	672	731	811	875		929	982
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

Air cooled screw chiller with free cooling, high efficiency, reduced sound

EWAD-CFXS/XL/XR

Microtech III

Cooling Only				EWAD-CFXR	600	740	820	870	980	C10	C11	C12	C13	C14	C15
Cooling capacity	Nom.			kW	602 (1) / 374 (2)	739 (1) / 468 (2)	821 (1) / 539 (2)	866 (1) / 562 (2)	981 (1) / 644 (2)	1,034 (1) / 670 (2)	1,229 (1) / 825 (2)	1,302 (1) / 866 (2)	1,374 (1) / 889 (2)	1,424 (1) / 909 (2)	1,476 (1) / 929 (2)
Power input	Cooling	Nom.		kW	263 (1) / 46.6 (2)	278 (1) / 56.2 (2)	299 (1) / 58.5 (2)	334 (1) / 63.1 (2)	368 (1) / 68.5 (2)	412 (1) / 74.4 (2)	403 (1) / 80.0 (2)	450 (1) / 87.5 (2)	466 (1) / 93.4 (2)	511 (1) / 103 (2)	556 (1) / 109 (2)
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
EER					2.29 (1) / 12.91 (2)	2.66 (1) / 13.17 (2)	2.75 (1) / 14.04 (2)	2.59 (1) / 13.71 (2)	2.67 (1) / 14.33 (2)	2.51 (1) / 13.89 (2)	3.05 (1) / 15.36 (2)	2.90 (1) / 14.87 (2)	2.95 (1) / 14.7 (2)	2.79 (1) / 13.85 (2)	2.66 (1) / 13.56 (2)
ESEER					3.59	3.66	3.89	3.62	3.83	3.63	4.13	3.89	4.09	4.02	3.92
IPLV					4.09	4.15	4.16	4.20	4.10	4.08	4.42	4.37	4.42		4.28
Dimensions	Unit	HeightxWidthxDepth		mm	2,565x2,480 x6,300	2,565x2,480 x7,200	2,565x2,480x8,100		2,565x2,480 x9,000		2,565x2,480 x10,800				
Weight	Unit			kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type				Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s	26.2 (1) / 26.2 (2)	32.1 (1) / 32.1 (2)	35.7 (1) / 35.7 (2)	37.6 (1) / 37.6 (2)	42.6 (1) / 42.6 (2)	44.9 (1) / 44.9 (2)	53.4 (1) / 53.4 (2)	56.6 (1) / 56.6 (2)	59.7 (1) / 59.7 (2)	61.9 (1) / 61.9 (2)	64.1 (1) / 64.1 (2)
	Water pressure drop	Cooling	Nom.	kPa	76 (1) / 115 (2)	97 (1) / 159 (2)	84 (1) / 167 (2)	93 (1) / 184 (2)	102 (1) / 225 (2)	113 (1) / 248 (2)	92 (1) / 219 (2)	103 (1) / 243 (2)	128 (1) / 282 (2)	137 (1) / 301 (2)	146 (1) / 321 (2)
	Water volume			l	741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type				High efficiency fin and tube type										
Compressor	Type				Asymm single screw										
	Quantity				2										
Fan	Type				Direct propeller										
	Quantity				10	12	14		16		20				
	Air flow rate	Nom.		l/s	38,935	46,722	54,508		62,295		73,011				
	Speed			rpm	715										
Sound power level	Cooling	Nom.		dBA	92.0				94.0		95.0				
Sound pressure level	Cooling	Nom.		dBA	71.0	72.0				73.0	72.0			73.0	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20~45										
	Water side	Cooling	Min.~Max.	°CDB	-8~15										
Refrigerant	Type/GWP				R-134a/1,430										
	Circuits	Quantity			2										
Refrigerant charge	Per circuit			kg	64.0	73.0	81.0		91.0		107.0		112.5	124.0	
	Per circuit			TCO2Eq	91.5	104.4	115.8		130.1		153.0		160.9	177.3	
Piping connections	Evaporator water inlet/outlet (OD)				DN150PN16(168.3mm)				DN200PN16(219.1mm)				DN250PN16(273mm)		
Unit	Starting current	Max		A	598	611	648		912	960	1,016			1,059	1,072
	Running current	Cooling	Nom.	A	411	439	473	526	580	647	645	717	738	800	862
		Max		A	462	493	542	585	649	708	783	847		901	954
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

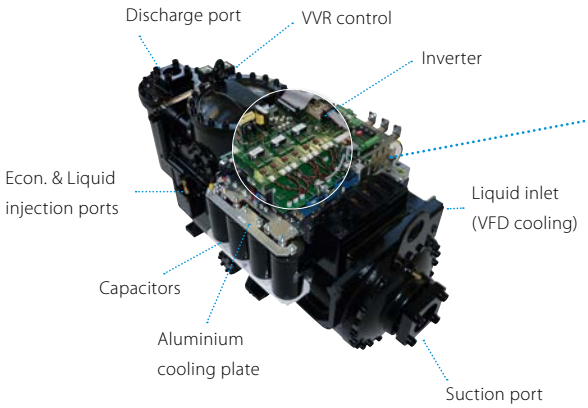
(1)Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2)Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

EWAD-TZB screw inverter chiller High efficiency in comfort and process cooling

Over 1,000 sites around the world with screw chillers installed is demonstrating that we will never stop developing the most advanced technology with highest quality level to offer the best chiller experience to our customers.

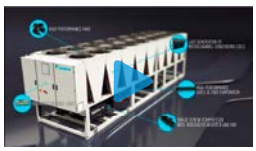
EWAD-TZB at a glance

› Full inverter air cooled chiller
› Capacity range from 170 up to 1,100 kW
› Daikin single screw compressor with integrated inverter and variable volume ratio
› Best efficiency at full load and part load conditions



Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWAD-TZB Screw Inverter Chiller



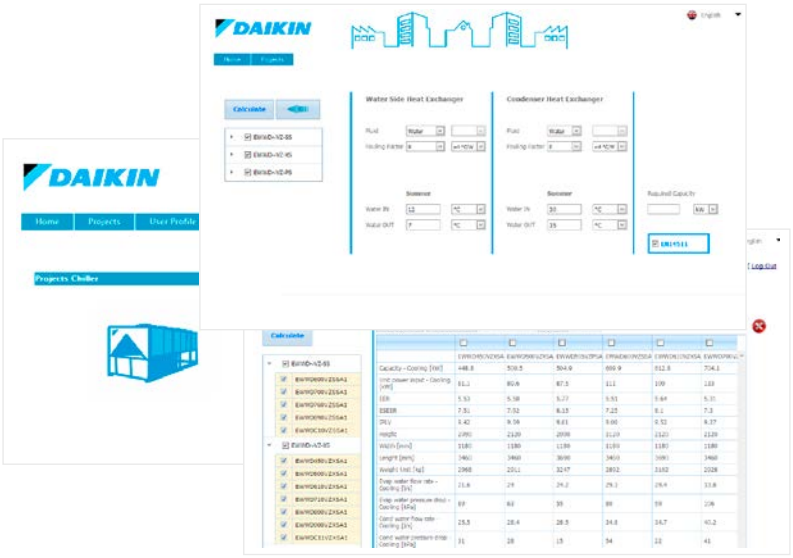
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/



Why choose EWAD-TZB?

High efficiencies both at full load and part load:

ESEER up to 5.5 & EER up to 3.6

› Daikin compressor with in-built inverter and Variable Volume Ratio (VVR) for optimized efficiency
› In-house developed software with dynamic condensing pressure management and innovative economizer control logic

Rapid return on investment

› Payback of three years, compared to a non-inverter unit for comfort cooling applications
› Less than one year a for process cooling applications

Perfect comfort level

› Infinitely variable load regulation
› Precise leaving water temperature control thanks to stepless regulation

Compact design

› More compact heat exchanger with superior efficiencies
› Reduced electrical panel dimensions thanks to the inverter compressor mounted

Lowest sound levels

› Down to 87 dB(A) sound power at full load and even lower at part load thanks to fans and compressors variable speed
› Quiet compressor thanks to special acoustic executions
› Unique Daikin fans design with reduced noise impact and vibrations

Unrivaled and proven reliability

› Extensive testing of chillers and components in laboratories, Daikin factories and selected job sites - even at extreme working conditions
› Reduced energy demand without compromising on reliability and performance

Extensive option list

More than 60 different options are available to fit the EWAD-TZ B chiller to fit to your requirements:
› Rapid restart after power failure
› Variable speed water pumps to optimise the working efficiency
› Total heat recovery: 80 to 85% of the total heat rejection of the chiller can be recovered
› Partial heat recovery: 15 to 20% of the total heat rejection of the chiller can be recovered
› Refrigerant leak detection

Air cooled screw inverter chiller, standard efficiency, standard/low sound

› Optimized energy efficiency both at full and part load conditions
› Inverter stepless single-screw compressor
› Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
› Compact design for small footprint and minimized installation space
› Low operating sound levels are achieved by the latest compressor and fan design
› One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only					EWAD-TZSSB/SLB	160	190	240	270	300	360	380	450	495	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc			kW	169.1	200.88	235.3	268.82	305.99	351.41	394.74	455.64	499.81	569.52	612.22	660.72	700.94	815.92	889.95	987.19	1,045.39	1,103.99
	ηs,c				%	168.2	172.6	169.4	175.4	177	183	172.6	171.4	175	180.2	189.8	182.6	185.4	197.4	194.2	200.6	200.2	200.6
SEER						4.28	4.39	4.3	4.46	4.5	4.65	4.39	4.36	4.45	4.58	4.82	4.64	4.71	5.01	4.93	5.09	5.08	5.09
Cooling capacity	Nom.				kW	169.1	200.9	235.30	268.8	306	351.4	394.7	455.6	499.8	569.5	612.2	660.7	700.9	816	890	987	1,045	1,104
Power input	Cooling	Nom.			kW	56.48	69.9	83.0	89.94	108.6	118	139.4	163.8	174.6	198.1	217.6	239	249.1	257.9	296.1	321.3	346.4	366.2
Capacity control	Method					Variable																	
	Minimum capacity				%	37	31	34	29	25	24	16	17	16	14	13	12		10				
EER						2.995	2.874	2.835	2.989	2.817	2.954	2.832	2.783	2.862	2.876	2.813	2.764	2.813	3.164	3.005	3.072	3.017	3.015
ESEER						4.37	4.46	4.30	4.4	4.42	4.5	4.46	4.44	4.49	4.54	4.59	4.63	4.7	4.43		4.44		4.51
IPLV						5.3	5.27	5.04	5.19	5.37	5.53	5.34	5.3	5.46	5.64	5.62		5.7	5.29	5.26	5.25	5.26	5.27
Dimensions	Unit	Height			mm	2,483													2,482				
		Width			mm	2,258																	
		Depth			mm	2,283			3,183			4,083		4,983	5,883			6,783			7,783	8,820	9,591	
Weight (SSB)	Unit				kg	2,066	2,091	2,149	2,375	2,422	2,771	4,044	4,060	4,317	4,603	4,780	4,804	5,074	6,282	6,382	6,777	7,132	7,410
	Operation weight				kg	2,086	2,117	2,187	2,401	2,460	2,821	4,202	4,224	4,475	4,761	5,050	5,059	5,329	6,532	6,632	7,027	7,382	7,660
Weight (SLB)	Unit				kg	2,081	2,106	2,164	2,390	2,437	2,786	4,074	4,090	4,347	4,633	4,810	4,834	5,104	6,282	6,382	6,777	7,132	7,410
	Operation weight				kg	2,101	2,132	2,202	2,416	2,475	2,836	4,232	4,254	4,505	4,791	5,080	5,089	5,359	6,532	6,382	7,027	7,382	7,660
Water heat exchanger	Type					Plate heat exchanger						Shell and tube											
	Water volume				l	20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.		l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.9	21.8	23.9	27.3	29.3	31.6	33.5	39.1	42.6	47.2	50	52.8
	Water pressure drop	Cooling	Nom.		kPa	25	19.3	15.4	32.6	25.2	25.9		32.4	44	55.7	38.8	32.3	36	52.6	36.9	42.2	46.6	37.3
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Screw inverter																	
	Quantity					1						2											
Fan	Type					Direct propeller																	
	Quantity					4			6		8			10	12			14			16	18	20
	Air flow rate	Nom.			l/s	15,109			22,664		30,219			37,774	45,328			52,883	69,177		79,060	88,942	98,825
	Speed				rpm	700													900				
Sound power level (SSB)	Cooling	Nom.			dBA	96.0			97.0	98.0	99.0				100.0	101.0	102.0	105.0	102.0			103.0	
Sound power level (SLB)	Cooling	Nom.			dBA	90.0	91.0		92.0	93.0	94.0				95.0	96.0	97.0		99.0			100.0	
Sound pressure level (SSB)	Cooling	Nom.			dBA	77.0			78.0	79.0					80.0	82.0	84.0		81.0				
Sound pressure level (SLB)	Cooling	Nom.			dBA	71.0	72.0		73.0	74.0					75.0	76.0	77.0		78.0				
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18~47													-18~45				
	Water side	Cooling	Min.~Max.		°CDB	-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430.0																	
	Charge				kg	27	29	33	38	41	52	58	59	68	75	77	83	90	91		104	117	130
	Circuits	Quantity				1						2											
Refrigerant charge	Per circuit				TCO2Eq	38.6	41.5	47	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	65.1		74.4	83.7	93.0
Piping connections	Evaporator water inlet/outlet (OD)					3"			4"			5"				6"			168.3 mm	219.1mm			
Unit	Running	Cooling	Nom.		A	102	123	188	177	188	200	246	372	366	361	377	396	414	429	501	528	563	597
	current	Max			A	130	149	160	187	220	246	298	320	350	374	439	466	486	537	599	652	708	768
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400																	

Air cooled screw inverter chiller, standard efficiency, reduced sound

EWAD-TZSSB/SLB/SRB

Microtech III

Cooling Only					EWAD-TZSRB	160	190	240	270	300	360	380	450	495	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc		kW		169.1	200.88	235.29	268.82	305.99	351.41	394.01	454.57	499.14	568.6	610.43	658.99	699.87	799.95	894.94	956.14	1,013.27	1,067.02
	ηs,c			%		168.2	172.6	169.4	175.4	177	183	172.2	170.6	174.2	179.4	188.6	181.8	184.6	215	213.4	213.8	216.2	217.8
SEER						4.28	4.39	4.31	4.46	4.5	4.65	4.38	4.34	4.43	4.56	4.79	4.62	4.69	5.45	5.41	5.42	5.48	5.52
Cooling capacity	Nom.			kW		169.1	200.9	235.3	268.8	306	351.4	394	454.6	499.1	568.6	610.4	659	699.9	800	895	956	1,013	1,067
Power input	Cooling	Nom.		kW		56.48	69.9	82.99	89.94	108.6	118	140.2	164.8	175.4	199.1	218.4	240.3	250.3	247.8	294.1	316	335.6	358.9
Capacity control	Method					Variable																	
	Minimum capacity			%		37	31	34	29	25	24	16	17	16	14	13	12		10				
EER						2.995	2.874	2.835	2.989	2.817	2.954	2.81	2.759	2.846	2.856	2.795	2.742	2.796	3.229	3.043	3.016	3.018	2.973
ESEER						4.37	4.46	4.3	4.4	4.42	4.5	4.44	4.43	4.47	4.53	4.61	4.6	4.68	4.8		4.85	4.83	4.98
IPLV						5.3	5.27	5.04	5.19	5.37	5.53	5.3	5.26	5.43	5.6	5.61	5.6	5.67	5.92	5.74	5.77	5.75	5.86
Dimensions	Unit	Height		mm		2,483													2,482				
		Width		mm		2,258																	
		Depth		mm		2,283			3,183			4,083		4,983	5,883			6,783	7,783		8,820	9,591	10,461
Weight	Unit			kg		2,166	2,191	2,249	2,475	2,522	2,871	4,244	4,260	4,517	4,803	4,980	5,004	5,274	6,997	7,097	7,452	7,730	8,023
	Operation weight			kg		2,186	2,217	2,287	2,501	2,560	2,921	4,402	4,424	4,675	4,961	5,250	5,259	5,529	7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type					Plate heat exchanger						Shell and tube											
	Water volume			l		20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.	l/s		8.1	9.6	11.2	12.9	14.6	16.8	18.8	21.7	23.9	27.2	29.2	31.5	33.5	38.3	42.8	45.7	48.5	51
	Water pressure drop	Cooling	Nom.	kPa		25	19.3	15.4	32.6	25.2	25.9	25.8	32.2	43.9	55.5	38.6	32.2	35.9	52.1	36.3	41	45.6	36.3
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Screw inverter																	
	Quantity					1						2											
Fan	Type					Direct propeller																	
	Quantity					4			6			8		10	12			14	16		18	20	22
	Air flow rate	Nom.		l/s		15,109			22,664		30,219	29,650		36,920	44,475			51,745	59,299		66,570	74,124	81,394
	Speed			rpm		700																	
Sound power level	Cooling	Nom.		dBA		86.0		87.0		88.0		90.0			91.0		92.0		94.0			95.0	
Sound pressure level	Cooling	Nom.		dBA		67.0		68.0		69.0		70.0					71.0		73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~47													-18~45				
	Water side	Cooling	Min.~Max.	°CDB		-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430																	
	Charge			kg		27	29	33	38	41	52	58	59	68	75	77	83	90	104		117	130	143
	Circuits	Quantity				1						2											
Refrigerant charge	Per circuit			TCO2Eq		38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)					3"			4"			5"				6"			168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A		102	123	188	177	188	200	247	374	368	363	378	398	416	422	496	530	561	599
		Max		A		130	149	160	187	220	246	298	320	350	374	439	466	486	523	585	635	688	745
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only					EWAD-TZXSB/XLB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C	Pdc		kW		180.41	211.34	239.54	276.79	313.2	360.56	417.27	472.59	528.99	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43
	ηs,c			%		195	198.6	195.4	203	202.6	195.4	198.2	199.8	201	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237
SEER						4.95	5.04	4.96	5.15	5.14	4.96	5.03	5.07	5.1	5.04	5.17	5.23	5.21	5.79	5.74	5.91	6.15	6
Cooling capacity	Nom.			kW		180.4	211.3	239.5	276.8	313.2	360.6	417.3	472.6	529	563.4	599.4	639.4	678.2	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW		52.13	63.22	72.5	83.87	100.2	109.1	132.2	144.9	163.5	181.1	191.7	202.1	219.8	226.5	266.1	275.8	303.4	320.1
Capacity control	Method					Variable																	
	Minimum capacity			%		34	29	34	29	25	17	16	17	16	15	14	13		10				
EER						3.46	3.343	3.304	3.3	3.127	3.304	3.156	3.261	3.236	3.111	3.127	3.164	3.085	3.374	3.195	3.306	3.3	3.265
ESEER						5.11	5.06	4.99	5.09	5.13	5.14	5.09	5	5.07		5.11	5.15		5.09		5.13	5.15	5.22
IPLV						6.26	6.15	6.19	6.17		6.4	6.3	6.22		6.29	6.31	6.25	6.21	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm		2,483													2,482				
		Width		mm		2,258																	
		Depth		mm		3,183			4,083		4,983		5,883			6,783	7,683		7,783		8,820	9,591	10,461
Weight (XSB)	Unit			kg		2,362	2,409	2,421	2,770		4,292		4,602	4,800		5,072	5,425		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg		2,388	2,447	2,459	2,820		4,450		4,760	5,055		5,327	5,680		6,927	7,027	7,382	7,660	7,953
Weight (XLB)	Unit			kg		2,377	2,424	2,436	2,785		4,322		4,632	4,830		5,102	5,455		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg		2,403	2,462	2,474	2,835		4,480		4,790	5,085		5,357	5,710		6,927	7,027	7,382	7,660	7,953
Water heat exchanger	Type					Plate heat exchanger					Shell and tube												
	Water volume			l		26.1	37.35		49.5		158			255					301	485			453
	Water flow rate	Cooling	Nom.	l/s		8.6	10.1	11.5	13.2	15	17.3	20	22.6	25.3	27	28.7	30.6	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa		16.4	13.2	16.2	17.1	21	34.3	31.2	39.7	36.7	41.1	27.1	30.5	33.3	40.5	33.5	37.5	42.4	34.3
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Screw inverter																	
	Quantity					1					2												
Fan	Type					Direct propeller																	
	Quantity					6			8		10		12			14	16				18	20	22
	Air flow rate	Nom.		l/s		22,664			30,219		37,774		45,328			52,883	60,438				67,993	75,547	83,102
	Speed			rpm		700																	
Sound power level (XSB)	Cooling	Nom.		dBA		96.0	97.0	96.0	97.0	98.0	99.0				100.0		101.0						102.0
Sound power level (XLB)	Cooling	Nom.		dBA		91.0	92.0	91.0	92.0	93.0	94.0				95.0		96.0			97.0			
Sound pressure level (XSB)	Cooling	Nom.		dBA		77.0				78.0	79.0						80.0				79.0		
Sound pressure level (XLB)	Cooling	Nom.		dBA		72.0				73.0	74.0	73.0			74.0					75.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~50																	
	Water side	Cooling	Min.~Max.	°CDB		-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430																	
	Charge			kg		36	39	40	51		64		74	80		89	96		104		117	130	143
	Circuits	Quantity				1					2												
Refrigerant charge	Per circuit			TCO2Eq		51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			5"			6"					168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A		110	113	186		192	225	231	371.0	383	392	390	387	395	394	451	469	500	537
		Max		A		130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Air cooled screw inverter chiller, high efficiency, reduced sound

EWAD-TZXSB/XLB/XRB

MicroTech III

Cooling Only					EWAD-TZXRB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C	Pdc		kW		180.41	211.34	239.54	276.79	313.2	360.28	416.8	472.11	528.32	562.28	598.77	638.64	677.38	763.85	850.14	911.93	1,001.2	1,045.41
	ηs,c			%		195	198.6	195.4	203	202.6	194.6	198.2	199	200.2	198.2	202.6	205	204.6	229.8	229.4	233.4	244.2	237.8
SEER						4.95	5.04	4.96	5.15	5.14	4.94	5.03	5.05	5.08	5.03	5.14	5.2	5.19	5.82	5.81	5.91	6.18	6.02
Cooling capacity	Nom.			kW		180.4	211.3	239.5	276.8	313.2	360.3	416.8	472.1	528.3	562.3	598.8	638.6	677.4	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW		52.13	63.22	72.5	83.87	100.2	109.5	132.1	145.6	164.3	181.9	192.5	202	220.9	226.5	266.8	275.4	303.1	320.6
Capacity control	Method					Variable																	
	Minimum capacity			%		34	29	34	29	25	17	16	17	16	15	14	13		10				
EER						3.46	3.343	3.304	3.3	3.127	3.29	3.156	3.243	3.215	3.092	3.111	3.146	3.067	3.373	3.186	3.311	3.302	3.26
ESEER						5.11	5.06	4.99	5.09	5.13	5.12	5.09	4.99	5.04	5.05	5.13		5.07	5.09		5.13	5.15	5.22
IPLV						6.26	6.15	6.19	6.17		6.37	6.3	6.2		6.26	6.27	6.24	6.18	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm		2,483													2,482				
		Width		mm		2,258																	
		Depth		mm		3,183			4,083		4,983		5,883			6,783	7,683		7,783		8,820	9,591	10,461
Weight	Unit			kg		2,462	2,509	2,521	2,870		4,492		4,802	5,000		5,272	5,625		6,997	7,097	7,452	7,730	8,023
	Operation weight			kg		2,488	2,547	2,559	2,920		4,650		4,960	5,255		5,527	5,880		7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type					Plate heat exchanger					Shell and tube												
	Water volume			l		26.1	37.35		49.5		158			255					301		485		453
	Water flow rate	Cooling	Nom.	l/s		8.6	10.1	11.5	13.2	15	17.2	19.9	22.6	25.3	26.9	28.6	30.5	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa		16.4	13.2	16.2	17.1	21	34.2	31.1	39.7	36.6	41	27.1	30.4	33.2	40.3	33.3	37.3	42.3	34.2
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Screw inverter																	
	Quantity					1					2												
Fan	Type					Direct propeller																	
	Quantity					6			8		10		12			14	16				18	20	22
	Air flow rate	Nom.		l/s		22,664			30,219		36,920		44,475			51,745	59,299				66,570	74,124	81,394
	Speed			rpm		700																	
Sound power level	Cooling	Nom.		dBA		88.0			89.0		90.0		91.0				92.0		94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA		68.0			69.0		70.0						71.0		73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~50																	
	Water side	Cooling	Min.~Max.	°CDB		-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430																	
	Charge			kg		36	39	40	51		64		74	80		89	96		104		117	130	143
	Circuits	Quantity				1					2												
Refrigerant charge	Per circuit			TCO2Eq		51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			5"			6"					168.3 mm	219.1mm			
Unit	Running current	Cooling	Nom.	A		110	113	186		192	226	231	373.0	385	393	391	389	396	395	453	471	502	539
		Max		A		130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Air cooled screw inverter chiller, premium efficiency, standard/low sound

- Premium energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Continuous fans speed modulation with EC fans for even higher part load efficiency
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only					**EWAD-TZPSB/PLB**	**190**	**220**	**240**	**290**	**300**	**350**	**420**	**495**	**550**	**620**	**720**	**820**	**950**
Space cooling	A Condition 35°C	Pdc			kW	183.6	216.12	244.42	281.93	323.37	378.96	437.31	501.15	543.03	620	717	832.86	949.85
	ηs,c				%	204.6	210.2	208.6	209	217	207	211.4	221.8	219	241.4	245.8	249	249.4
SEER						5.2	5.33	5.29	5.3	5.5	5.25	5.36	5.62	5.55	6.11	6.22	6.3	6.31
Cooling capacity	Nom.				kW	183.60	216.1	244.4	281.9	323.4	379	437.3	501.2	543	620	717	833	950
Power input	Cooling	Nom.			kW	50.5	60.72	68.74	83.43	95.89	104.6	124.9	139.1	151.4	178.8	182.3	220.4	252.5
Capacity control	Method					Variable												
	Minimum capacity				%	34	29	34	29	27	19	20	17	10				
EER						3.637	3.559	3.555	3.379	3.372	3.623	3.502	3.603	3.586	3.468	3.933	3.78	3.763
ESEER						5.54	5.51	5.42	5.4	5.35	5.48		5.45	5.5	5.42	5.59	5.54	5.55
IPLV						6.49	6.35	6.41	6.35	6.21	6.52	6.58	6.55	6.51	6.47	6.73	6.6	6.64
Dimensions	Unit	Height			mm	2,483								2,482				
		Width			mm	2,258												
		Depth			mm	4,083				4,983	5,883	6,783		8,820	9,591		10,461	11,233
Weight (PSB)	Unit				kg	2,758		2,769	2,770	3,020	4,735	5,069	5,077	6,527	6,555	7,650	7,943	8,240
	Operation weight				kg	2,808		2,819	2,820	3,070	4,990	5,324	5,332	6,777	6,805	7,900	8,193	8,490
Weight (PLB)	Unit				kg	2,773		2,784	2,785	3,035	4,765	5,099	5,107	6,527	6,555	7,650	7,943	8,240
	Operation weight				kg	2,823		2,834	2,835	3,085	5,020	5,354	5,362	6,777	6,805	7,900	8,193	8,490
Water heat exchanger	Type					Plate heat exchanger					Shell and tube							
	Water volume				l	49.50					255			307		485		453
	Water flow rate	Cooling	Nom.		l/s	8.8	10.3	11.7	13.5	15.5	18.1	20.9	24	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom.		kPa	10.6	11	13.4	17.1	21.5	20.4	26.5	33.3	19.8	25	24.2	31.7	29
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw inverter												
	Quantity					1					2							
Fan	Type					Direct propeller												
	Quantity					8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.			l/s	29,610				37,013	44,415	51,818	59,220	66,623	74,025		81,428	88,830
	Speed				rpm	700												
Sound power level (PSB)	Cooling	Nom.			dBA	97.0				98.0	99.0		100.0	101.0				
Sound power level (PLB)	Cooling	Nom.			dBA	91.0	92.0	91.0	92.0		94.0			97.0				
Sound pressure level (PSB)	Cooling	Nom.			dBA	77.0					78.0	77.0	78.0	79.0				
Sound pressure level (PLB)	Cooling	Nom.			dBA	71.0	72.0	71.0	72.0		73.0	72.0	73.0	75.0				
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18~52										-18~55		
	Water side	Cooling	Min.~Max.		°CDB	-8~18										-15~20		
Refrigerant	Type/GWP					R-134a/1,430												
	Charge				kg	49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity				1					2							
Refrigerant charge	Per circuit				TCO2Eq	70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.		A	101	104	172	177		208	211	346	258	298	316	375	424
		Max			A	126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400												

Air cooled screw inverter chiller, premium efficiency, reduced sound

EWAD-TZPSB/PLB/PRB

MicroTech III

Cooling Only					EWAD-TZPRB	190	220	240	290	300	350	420	495	550	620	720	820	950
Space cooling	A Condition 35°C	Pdc		kW		187.3	218.24	246.75	279.23	317.21	382.29	436.87	505.48	543.03	620.04	717	832.86	949.86
	ηs,c			%		208.6	212.2	210.6	207	212.2	208.2	210.2	221	218.2	219.8	248.6	249.4	251
SEER						5.29	5.38	5.34	5.25	5.38	5.28	5.33	5.6	5.53	5.57	6.29	6.31	6.35
Cooling capacity	Nom.			kW		187.3	218.2	246.8	279.2	317.2	382.3	436.9	505.5	543	620	717	833	950
Power input	Cooling	Nom.		kW		50.48	60.72	68.74	83.42	95.88	105.1	125.3	139.7	151.3	178.5	182.2	220.2	252.4
Capacity control	Method					Variable												
	Minimum capacity			%		34	29	34	29	27	19	20	17	10				
EER						3.71	3.594	3.59	3.347	3.308	3.637	3.486	3.618	3.59	3.473	3.935	3.783	3.764
ESEER						5.55	5.52	5.27	5.16	5.2	5.32	5.21	5.38	5.5	5.42	5.59	5.54	5.55
IPLV						6.49	6.35	6.23	6.07	6.04	6.3	6.27	6.47	6.53	6.47	6.73	6.6	6.64
Dimensions	Unit	Height		mm		2,483								2,482				
		Width		mm		2,258												
		Depth		mm		4,083				4,983	5,883	6,783		8,820	9,591		10,461	11,233
Weight	Unit			kg		2,858		2,869	2,870	3,120	4,935	5,269	5,277	6,677	6,705	7,970	8,263	8,560
	Operation weight			kg		2,908		2,919	2,920	3,170	5,190	5,524	5,532	6,927	6,955	8,220	8,513	8,810
Water heat exchanger	Type					Plate heat exchanger					Shell and tube							
	Water volume			l		49.5					255			307		485		453
	Water flow rate	Cooling	Nom.	l/s		9	10.4	11.8	13.3	15.2	18.3	20.9	24.2	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom.	kPa		10.6	11	13.4	17.1	21.5	20.4	26.4	33.2	19.8	24.9	24.2	31.7	28.9
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw inverter												
	Quantity					1					2							
Fan	Type					Direct propeller												
	Quantity					8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.		l/s		29,610				37,013	43,369	50,423	57,826	64,879	72,282		79,336	86,738
	Speed			rpm		700												
Sound power level	Cooling	Nom.		dBA		87.0	88.0	87.0	88.0		89.0	90.0		94.0	95.0			
Sound pressure level	Cooling	Nom.		dBA		67.0	68.0	67.0	68.0				69.0	73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~52										-18~55		
	Water side	Cooling	Min.~Max.	°CDB		-8~18										-15~20		
Refrigerant	Type/GWP					R-134a/1,430												
	Charge			kg		49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity				1					2							
Refrigerant charge	Per circuit			TCO2Eq		70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A		101	104	172	177		209	212	347	259	300	317	377	426
		Max		A		126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												

Air cooled screw inverter chiller, standard efficiency, standard/low sound

› Optimized energy efficiency both at full and part load conditions
› New single screw compressor geometry allowing performance optimization
› Refrigerant cooled inverter mounted on compressor all across the range
› New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 2000 kW
› Includes new generation Daikin Microtech IV controller with higher memory capacity and faster microprocessor
› Microchannel coils

Cooling Only				EWAD-TZSSC/SLC	H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C	Pdc		kW	1,189	1,259	1,355	1,508	1,644	1,766	1,785	1,965
	ηs,c			%	184.5	182.4	182.9	190.1	191.8	191.4	190.1	184.2
SEER					4.69	4.64	4.65	4.83	4.87	4.86	4.83	4.68
Cooling capacity	Nom.			kW	1,189	1,259	1,355	1,508	1,644	1,766	1,785	1,965
Power input	Cooling	Nom.		kW	380.9	413.4	438.6	485	532.8	581.8	636.4	709.3
Capacity control	Method				Inverter							
	Minimum capacity			%	12.5							
EER					3.12	3.05	3.09	3.11	3.09	3.04	2.95	2.77
ESEER					4.69	4.64	4.65	4.83	4.87	4.86	4.83	4.68
IPLV					4.85	4.8	4.78	5.14	5.11	5.07	5.04	4.99
Dimensions	Unit	Height		mm	2,540							
		Width		mm	2,282							
		Depth		mm	10,510							
Weight	Unit			kg	9,322		10,112	10,716	11,134	11,564	12,037	
	Operation weight			kg	9,879		11,123	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube							
	Water volume			l	557		1011					
	Water flow rate	Cooling	Nom.	l/s	56.7	60.02	64.62	71.92	78.41	84.21	89.41	93.67
	Water pressure drop	Cooling	Nom.	kPa	57.1	63.3	40.5	49.1	57.4	65.2	72.7	79
Air heat exchanger	Type				Microchannel							
Compressor	Type				Inverter Driven Single Screw							
	Quantity				2							
Fan	Type				DPT							
	Quantity				22		24		26	28	30	
	Air flow rate	Nom.		l/s	112,259		122,464		132,670	142,876	153,081	
	Speed			rpm	900							
Sound power level (SSB)	Cooling	Nom.		dBA	102	103	104		105		106	107
Sound power level (SLB)	Cooling	Nom.		dBA	100		101			102	103	
Sound pressure level (SSB)	Cooling	Nom.		dBA	80	81	82	81	82		83	84
Sound pressure level (SLB)	Cooling	Nom.		dBA	77		78		79		79	80
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 to 50							
	Water side	Cooling	Min.~Max.	°CDB	-8 to 18							
Refrigerant	Type/GWP				R134a/1,430							
	Charge			kg	175		200		220	250	270	
	Circuits	Quantity			2							
Refrigerant charge	Per circuit			TCO2Eq	125,125		143,000		157,300	178,750	193,050	
Piping connections	Evaporator water inlet/outlet (OD)				273		219.1		273			
Unit	Running current	Cooling	Nom.	A	646.5	691.1	733.0	813.9	884.0	962.8	1,044	1,149
		Max		A	913	969	1,027	1,165	1,205	1,301	1,398	1,487
Power supply	Phase/Frequency/Voltage			Hz/V	3/50/400							

Air cooled screw inverter chiller, standard efficiency, reduced sound

EWAD-TZSSC/SLC/SRC

Microtech IV

Cooling Only					EWAD-TZSRC	H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C	Pdc			kW	1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
	ηs,c				%	206.8	201.6	203.1	204.1	205.3	205.0		201.4
SEER						5.24	5.12	5.15	5.18	5.21	5.20		5.11
Cooling capacity	Nom.				kW	1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
Power input	Cooling	Nom.			kW	384.6	423.1	446	513.9	564.5	611.2	663.5	741.2
Capacity control	Method					Inverter							
	Minimum capacity				%	12.5							
EER						3.03	2.91	2.97	2.85	2.83	2.80	2.73	2.53
ESEER						5.24	5.12	5.15	5.18	5.21	5.20		5.11
IPLV						5.43	5.29	5.34	5.53		5.5	5.51	5.36
Dimensions	Unit	Height			mm	2,540							
		Width			mm	2,282							
		Depth			mm	10,510							
Weight	Unit				kg	9,322		10,112	10,716	11,134	11,564	2,037	
	Operation weight				kg	9,879		11,123	11,727	12,145	12,575	13,048	
Water heat exchanger	Type					Shell and tube							
	Water volume				l	557		1011					
	Water flow rate	Cooling	Nom.		l/s	55.53	58.61	63.09	69.74	76.07	81.6	86.37	89.46
	Water pressure drop	Cooling	Nom.		kPa	54	60.6	38.8	46.5	54.3	61.6	68.3	72.7
Air heat exchanger	Type					Microchannel							
Compressor	Type					Inverter Driven Single Screw							
	Quantity					2							
Fan	Type					DPT							
	Quantity					22		24		26	28	30	
	Air flow rate	Nom.			l/s	81,518		89,145		96,375	104,002	111,232	
	Speed				rpm	700							
Sound power level	Cooling	Nom.			dBA	93		94			95	96	
Sound pressure level	Cooling	Nom.			dBA	70	71				72		73
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18 to 50							
	Water side	Cooling	Min.~Max.		°CDB	-8 to 18							
Refrigerant	Type/GWP					R134a/1430							
	Charge				kg	175		200		220	250	270	
	Circuits	Quantity				2							
Refrigerant charge	Per circuit				TCO2Eq	125,125		143,000		157,300	178,750	193,050	
Piping connections	Evaporator water inlet/outlet (OD)					219.1		273					
Unit	Running current	Cooling	Nom.		A	659.2	708.5	748.1	853.7	922.8	1,000	1,080	1,194
		Max			A	913	969	1,027	1,165	1,205	1,301	1,398	1,487
Power supply	Phase/Frequency/Voltage				Hz/V	3/50/400							

Air cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1600 kW
- Includes new generation Daikin Microtech IV controller with higher memory capacity and faster microprocessor
- Microchannel coils

Cooling Only					EWAD-TZXSC	C11	C12	H12	C14	C15	H16	H17
Space cooling	A Condition 35°C	Pdc			kW	1,124	1,206	1,280	1,399	1,539	1,667	1,780
	ηs,c				%	211.5	211.1	210.85	211.9	212.6	214.2	212.6
SEER						5.36	5.35		5.37	5.39	5.43	5.39
Cooling capacity	Nom.				kW	1,124	1,206	1,280	1,399	1,539	1,667	1,780
Power input	Cooling	Nom.			kW	354	375.9	401.6	431.7	478.8	524.7	575.4
Capacity control	Method					Inverter						
	Minimum capacity				%	12.5						
EER						3.17	3.21	3.19	3.24	3.22	3.18	3.09
ESEER						5.36	5.35		5.37	5.39	5.43	5.39
IPLV						5.54	5.58	5.54	5.79	5.7	5.66	5.65
Dimensions	Unit	Height			mm	2,540						
		Width			mm	2,282						
		Depth			mm	10,510	11,402	12,302	11,402	12,302	13,202	14,104
Weight	Unit				kg	9,322	10,112	10,515	10,716	11,134	11,564	12,037
	Operation weight				kg	9,879	11,123	11,526	11,727	12,145	12,575	13,048
Water heat exchanger	Type					Shell and tube						
	Water volume				l	557	1011					
	Water flow rate	Cooling	Nom.		l/s	53.58	57.49	61.05	66.69	73.4	79.5	84.85
	Water pressure drop	Cooling	Nom.		kPa	51.6	32.8	36.6	42.9	50.9	58.8	66.1
Air heat exchanger	Type					Microchannel						
Compressor	Type					Inverter Driven Single Screw						
	Quantity					2						
Fan	Type					DPT						
	Quantity					22	24	26	24	26	28	30
	Air flow rate	Nom.			l/s	83,897	91,524	99,151	122,464	132,670	142,876	153,081
	Speed				rpm	700			900			
Sound power level	Cooling	Nom.			dBA	95	96	97	101		102	
Sound pressure level	Cooling	Nom.			dBA	73		74	78		79	
Operation range	Air side	Cooling	Min.~Max.		°CDB	-18 to 50						
	Water side	Cooling	Min.~Max.		°CDB	-8 to 18						
Refrigerant	Type/GWP					R134a/1430						
	Charge				kg	175	200	220	220	220	250	270
	Circuits	Quantity				2						
Refrigerant charge	Per circuit				TCO2Eq	125,125	143,000	157,300	143,000	157,300	178,750	193,050
Piping connections	Evaporator water inlet/outlet (OD)					219.1	273					
Unit	Running current	Cooling	Nom.		A	608.8	647.1	686.1	735.8	806.6	874.7	957.5
		Max			A	918	939	994	1,085	1,124	1,218	1,313
Power supply	Phase/Frequency/Voltage				Hz/V	3/50/400						

Air cooled screw inverter chiller, high efficiency, reduced sound

EWAD-TZXSC/XRC

MicroTech IV

Cooling Only				EWAD-TZXSC	C11	C12	H12	C14	C15	H16	H17
Space cooling	A Condition 35°C	Pdc		kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
	ηs,c			%	208.8	210.2	209.8	207.8	209.4	209.3	209.7
SEER					5.30	5.33	5.32	5.27	5.31		5.32
Cooling capacity	Nom.			kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
Power input	Cooling	Nom.		kW	356.3	377.3	403	450.1	501.4	547.6	598.6
Capacity control	Method				Inverter						
	Minimum capacity			%	12.5						
EER					3.15	3.19	3.17	3.03	2.99	2.97	2.90
ESEER					5.30	5.33	5.32	5.27	5.31		5.32
IPLV					5.51	5.55	5.49	5.64	5.65	5.64	5.6
Dimensions	Unit	Height		mm	2,540						
		Width		mm	2,282						
		Depth		mm	11,404		12,302		14,102		14,104
Weight	Unit			kg	10,112	10,716	11,134	11,564	12,037		12,037
	Operation weight			kg	11,123	11,727	12,145	12,575	13,048		13,048
Water heat exchanger	Type				Shell and tube						
	Water volume			l	1,011						
	Water flow rate	Cooling	Nom.	l/s	64.62	71.82	78.41	84.21	89.41	93.67	53.5
	Water pressure drop	Cooling	Nom.	kPa	40.5	49.1	57.4	65.2	72.7	79	51.4
Air heat exchanger	Type				Microchannel						
Compressor	Type				Inverter Driven Single Screw						
	Quantity				2						
Fan	Type				DPT						
	Quantity				22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	81,518	89,145	96,375	89,145	96,375	104,002	111,232
	Speed			rpm	700						
Sound power level	Cooling	Nom.		dBA	92	93	94	93	94	95	
Sound pressure level	Cooling	Nom.		dBA	70		71				72
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 to 50						
	Water side	Cooling	Min.~Max.	°CDB	-8 to 18						
Refrigerant	Type/GWP				R134a/1,430						
	Charge			kg	200		220	250	270		
	Circuits	Quantity			2						
Refrigerant charge	Per circuit			TCO2Eq	175	200	220	200	220	250	270
Piping connections	Evaporator water inlet/outlet (OD)				219.1	273					
Unit	Running current	Cooling	Nom.	A	612.3	651.0	689.6	762.5	834.0	901.3	982.6
		Max		A	918	939	994	1,085	1,124	1,218	1,313
Power supply	Phase/Frequency/Voltage			Hz/V	3/50/400						

Air cooled screw inverter chiller, standard efficiency, standard/low sound

› Optimized energy efficiency both at full and part load conditions
› Inverter stepless single-screw compressor
› Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
› HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
› Low operating sound levels are achieved by the latest compressor and fan design
› One or two truly independent refrigerant circuits for outstanding reliability
› Compact design for small footprint and minimized installation space

Cooling Only				**EWAH-TZSSB/SLB**	**170**	**200**	**240**	**290**	**330**	**390**	**420**	**490**	**530**	**600**
Space cooling	A Condition 35°C	Pdc		kW	170.68	199.73	240.35	293.87	326.19	393.7	421.46	490.52	528.28	598.77
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	181.08	180.56	187.04	186.72	190.68
SEER					4.245	4.311	4.567	4.742	4.589	4.602	4.589	4.751	4.743	4.842
Cooling capacity	Nom.			kW	171	200	240	294	326	394	421	491	528	599
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	131	146	170	188	212
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10
EER					3.08	2.88	2.89	3.02	2.82	2.99	2.88		2.8	2.82
ESEER					4.45	4.52	4.75		4.56	4.55	4.51	4.6	4.57	4.74
IPLV					5.19	5.22	5.5	5.73	5.52	5.18	5.16	5.4	5.31	5.41
Dimensions	Unit	Height		mm	2,537									
		Width		mm	2,258									
		Depth		mm	2,283		3,183			4,983		5,883		6,783
Weight	Unit			kg	2,160.6	2,170.6	2,449.4	2,559.4		4,170.2		4,634		5,619
	Operation weight			kg	2,186.7	2,207.95	2,486.75	2,608.9		4,329.2	4,323.2	4,890	4,867	5,867
Water heat exchanger	Type				Plate heat exchanger					Shell and tube				
	Water volume			l	26	37		50		159	153	256	233	248
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.8	31.1	27.8
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw inverter									
	Quantity				1					2				
Fan	Type				Direct propeller									
	Quantity				4		6			10		12		
	Air flow rate	Nom.		l/s	17,448		26,172			43,620		52,344		
	Speed			rpm	760									
Sound power level (SSB)	Cooling	Nom.		dBA	97.07	97.53	100.19	101.14		100.59	101.02	103.19	105.6	104.14
Sound power level (SLB)					91.73	92.13	94.69	96,44		95.32	97.69		99.9	99.44
Sound pressure level (SSB)	Cooling	Nom.		dBA	78.10	78.60	80.7	81.70		80.2	80.60	82.40	84.8	83.40
Sound pressure level (SLB)					72.78	73.17	75.2	76.96		74.94	75.31	76.92	79.12	78.67
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	27.6		41.4			64.2		78		102
	Circuits	Quantity			1					2				
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm		
Unit	Running	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	217.0	243.0	279.0	307.0	343.0
	current	Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw inverter chiller, standard efficiency, reduced sound

EWAH-TZSSB/SLB/SRB

Microtech III

Cooling Only				EWAH-TZSRB	170	200	240	290	330	390	420	490	530	600
Space cooling	A Condition 35°C	Pdc		kW	170.68	199.73	240.35	293.87	326.19	393.39	421.08	489.94	527.57	597.68
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	180.04	181.36	187.4	185.56	189.6
SEER					4.245	4.311	4.567	4.742	4.589	4.576	4.609	4.76	4.714	4.815
Cooling capacity	Nom.			kW	171	200	240	294	326	393	421	490	528	598
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	132	146	171	189	214
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10
EER					3.08	2.88	2.89	3.02	2.82	2.98	2.87	2.86	2.78	2.79
ESEER					4.45	4.52	4.75		4.56	4.52	4.49	4.58	4.55	4.71
IPLV					5.19	5.22	5.5	5.73	5.52	5.13	5.22	5.38	5.29	5.38
Dimensions	Unit	Height		mm	2,537									
		Width		mm	2,258									
		Depth		mm	2,283		3,183			4,983		5,883		6,783
Weight	Unit			kg	2,260.6	2,270.6	2,549.4	2,719.4		4,370.2		4,834		5,939
	Operation weight			kg	2,286.7	2,307.95	2,586.75	2,768.9		4,529.2	4,523.2	5,090	5,067	6,187
Water heat exchanger	Type				Plate heat exchanger					Shell and tube				
	Water volume			l	26	37		50		159	153	256	233	248
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.7	31	27.7
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw inverter									
	Quantity				1					2				
Fan	Type				Direct propeller									
	Quantity				4		6			10		12		
	Air flow rate	Nom.		l/s	17,448		26,172			42,600		51,324		
	Speed			rpm	760									
Sound power level	Cooling	Nom.		dBA	87.67	87.93	90.25	92.27		91.42	91.65	93.25	94.9	95.27
Sound pressure level	Cooling	Nom.		dBA	68.70	69.00	70.80	72.80		71.00	71.30	72.50	74.10	74.5
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	27.6		41.4			64.2		78		102
	Circuits	Quantity			1					2				
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm		
Unit	Running	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	218.0	244.0	281.0	309.0	345.0
	current	Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability
- Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency

Cooling Only				EWAH-TZXSB/XLB	180	220	270	300	350	390	430	480	580	620
Space cooling	A Condition 35°C	Pdc		kW	180.38	224.67	270.66	300.22	355	392	427.64	481.86	574.38	619.88
	ηs,c			%	188.68	195.84	194.04	203.08	196.16	196.4	203.28	206.2	214.96	217.88
SEER					4.792	4.971	4.926	5.152	4.979	4.985	5.157	5.23	5.449	5.522
Cooling capacity	Nom.			kW	180	225	271	300	355	392	428	482	574	620
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	114	125	144	164	181
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10
EER					3.49	3.39	3.43	3.35	3.44	3.42		3.33	3.5	3.41
ESEER					5.14	5.21	4.95	5.16	4.94	4.95	5.06	5.05		5.08
IPLV					6.05	6.09	5.92	6.2	5.8	5.81	5.9	6	6.01	6.2
Dimensions	Unit	Height		mm	2,537									
		Width		mm	2,258									
		Depth		mm	3,183	4,083	3,183	4,083	5,883		6,783	7,776	6,783	7,683
Weight	Unit			kg	2,447	2,813	2,557	2,923	4,445.2	4,629.2	5,004.6	5,748.6	5,720	6,364.8
	Operation weight			kg	2,484.35	2,862.5	2,606.5	2,972.5	4,598.2	4,870.2	5,237.6	5,981.6	6,021	6,656.8
Water heat exchanger	Type				Plate heat exchanger				Shell and tube					
	Water volume			l	37	50			153	241	233		301	292
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	17	18.7	20.4	23	27.4	29.6
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.7	34.2	26.3	24.7	31.1
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw inverter									
	Quantity				1				2					
Fan	Type				Direct propeller									
	Quantity				6	8	6	8	12		14	16	14	16
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	52,344		61,068	69,792	61,068	69,792
	Speed			rpm	760									
Sound power level (XSB)	Cooling	Nom.		dBA	97.19	98.16	101.14	96.57	100.19	100.4	100.7	101.94	99.44	104.19
Sound power level (XLB)					92.14	93.15	96.44	96.57	95.14	95.3	95.68	96.78	99.44	99.57
Sound pressure level (XSB)	Cooling	Nom.		dBA	77.7	78.20	81.70	76.60	79.40	79.60		80.40	78.70	82.70
Sound pressure level (XLB)					72.65	73.19	76.96	76.62	74.36	74.53	74.55	75.29	78.67	78.12
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm				
Unit	Running	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.4	193.47	208.66	243.65	272.5	298.67
	current	Max		A	134	173	190	233	266	286	311	372	403	465
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw inverter chiller, high efficiency, reduced sound

EWAH-TZXSB/XLB/XRB

Microtech III

Cooling Only				EWAH-TZXRB	180	220	270	300	350	390	430	480	580	620
Space cooling	A Condition 35°C	Pdc		kW	180.38	224.67	270.66	300.22	354.75	391.7	427.42	481.53	573.98	619.32
	ηs,c			%	188.68	195.84	194.04	203.08	195.44	195.76	202.72	205.68	213.64	217.16
SEER					4.792	4.971	4.926	5.152	4.961	4.969	5.143	5.217	5.416	5.504
Cooling capacity	Nom.			kW	180	225	271	300	355	392	427	482	574	619
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	115	125	145	164	182
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10
EER					3.49	3.39	3.43	3.35	3.42	3.41		3.32	3.48	3.39
ESEER					5.14	5.21	4.95	5.16	4.93	4.94	5.03		5.02	5.06
IPLV					6.05	6.09	5.92	6.2	5.78	5.77	5.88	5.97	5.98	6.17
Dimensions	Unit	Height		mm	2,537									
		Width		mm	2,258									
		Depth		mm	3,183	4,083	3,183	4,083	5,883		6,783	7,776	6,783	7,683
Weight	Unit			kg	2,547	2,913	2,717	3,083	4,645.2	4,829.2	5,204.6	5,948.6	6,040	6,684.8
	Operation weight			kg	2,584.35	2,962.5	2,766.5	3,132.5	4,798.2	5,070.2	5,437.6	6,181.6	6,341	6,976.8
Water heat exchanger	Type				Plate heat exchanger				Shell and tube					
	Water volume			l	37	50			153	241	233		301	292
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	16.9	18.7	20.4	23	27.4	29.6
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.6	34.1	26.3	24.7	31.1
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw inverter									
	Quantity				1				2					
Fan	Type				Direct propeller									
	Quantity				6	8	6	8	12		14	16	14	16
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	51,324		59,709	68,433	59,709	68,433
	Speed			rpm	760									
Sound power level	Cooling	Nom.		dBA	88.63	89.73	92.27	92.6	91.63	91.73	92.25	93.09	95.27	95.6
Sound pressure level	Cooling	Nom.		dBA	69.20	69.80	72.80	72.60	70.90	71.00	71.10	71.6	74.5	74.20
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm				
Unit	Running	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.9	194.09	209.13	244.41	273.41	299.81
	current	Max		A	134	173	190	233	266	286	311	372	403	465
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw inverter chiller, premium efficiency, standard/low sound

- Premium energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability
- Continuous fans speed modulation with EC fans for even higher part load efficiency

Cooling Only				**EWAH-TZPSB/PLB**	**370**	**440**	**530**	**610**
Space cooling	A Condition 35°C	Pdc		kW	371.15	435.24	532.06	606.43
	ηs,c			%	206.56	213.68	220.48	224.96
SEER					5.239	5.417	5.587	5.699
Cooling capacity	Nom.			kW	371	435	532	606
Power input	Cooling	Nom.		kW	102	121	137	163
Capacity control	Method				Variable			
	Minimum capacity			%	16.7	14.3	11.7	10
EER					3.62	3.58	3.86	3.7
ESEER					5.18	5.46	5.23	5.34
IPLV					6.15	6.35	6.36	6.35
Dimensions	Unit	Height		mm	2,537			
		Width		mm	2,258			
		Depth		mm	7,683	9,483	7,683	8,583
Weight	Unit			kg	5,741.4	6,722	6,364.8	7,140.2
	Operation weight			kg	5,982.4	7,023	6,656.8	7,636.2
Water heat exchanger	Type				Shell and tube			
	Water volume			l	241	301	292	496
	Water flow rate	Cooling	Nom.	l/s	17.7	20.8	25.4	29
	Water pressure drop	Cooling	Nom.	kPa	24.4	15	15.3	18
Air heat exchanger	Type				Microchannel			
Compressor	Type				Screw inverter			
	Quantity				2			
Fan	Type				Direct propeller			
	Quantity				16	20	16	18
	Air flow rate	Nom.		l/s	251,251.0	314,064	251,251.0	282,658.0
	Speed			rpm	760			
Sound power level (PSB)	Cooling	Nom.		dBA	100.3	100.8	103.24	104.21
Sound power level (PLB)	Cooling	Nom.		dBA	95.48	96	98.71	99.63
Sound pressure level (PSB)	Cooling	Nom.		dBA	78.80		81.80	82.40
Sound pressure level (PLB)	Cooling	Nom.		dBA	74.03	73.96	77.25	77.86
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55			
	Water side	Cooling	Min.~Max.	°CDB	-8~18			
Refrigerant	Type/GWP				R-1234(ze)/7			
	Circuits	Quantity			2			
Refrigerant circuit	Charge			kg	90.4	113	116.8	131.2
Refrigerant charge	Per circuit			kg	316.4	395.5	408.8	459.2
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm			219.1mm
Unit	Running	Cooling	Nom.	A	175.85	205.4	233.82	272.98
	current	Max		A	272	319	350	424
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

Air cooled screw inverter chiller, premium efficiency, reduced sound

EWAH-TZPSB/PLB/PRB

Microtech III

Cooling Only					EWAH-TZPRB	370	440	530	610
Space cooling	A Condition 35°C	Pdc		kW		370.96	435.06	531.76	606.09
	ηs,c			%		206.04	213.28	219.28	223.8
SEER						5.226	5.407	5.557	5.67
Cooling capacity	Nom.			kW		371	435	532	606
Power input	Cooling	Nom.		kW		102	122	138	164
Capacity control	Method					Variable			
	Minimum capacity			%		16.7	14.3	11.7	10
EER						3.61	3.57	3.84	3.69
ESEER						5.17	5.44	5.22	5.31
IPLV						6.12	6.32		
Dimensions	Unit	Height		mm		2,537			
		Width		mm		2,258			
		Depth		mm		7,683	9,483	7,683	8,583
Weight	Unit			kg		5,941.4	6,922	6,684.8	7,460.2
	Operation weight			kg		6,182.4	7,223	6,976.8	7,956.2
Water heat exchanger	Type					Shell and tube			
	Water volume			l		241	301	292	496
	Water flow rate	Cooling	Nom.	l/s		17.7	20.8	25.4	28.9
	Water pressure drop	Cooling	Nom.	kPa		24.4	14.9	15.3	18
Air heat exchanger	Type					Microchannel			
Compressor	Type					Screw inverter			
	Quantity					2			
Fan	Type					Direct propeller			
	Quantity					16	20	16	18
	Air flow rate	Nom.		l/s		246,359.0	307,948.0	246,359.0	276,541.0
	Speed			rpm		760			
Sound power level	Cooling	Nom.		dBA		92.37	92.94	94.94	95.73
Sound pressure level	Cooling	Nom.		dBA		70.90		73.50	74.00
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~55			
	Water side	Cooling	Min.~Max.	°CDB		-8~18			
Refrigerant	Type/GWP					R-1234(ze)/7			
	Circuits	Quantity				2			
Refrigerant circuit	Charge			kg		90.4	113	116.8	131.2
Refrigerant charge	Per circuit			kg		316.4	395.5	408.8	459.2
Piping connections	Evaporator water inlet/outlet (OD)					168.3mm			219.1mm
Unit	Running	Cooling	Nom.	A		176.22	205.83	234.54	273.8
	current	Max		A		272	319	350	424
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400			

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1600 kW
- Includes new generation Daikin Microtech IV controller with higher memory capacity and faster microprocessor
- Microchannel coils
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				EWAH-TZSSC/SLC	710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16
Space cooling	A Condition 35°C	Pdc		kW	712.3	765.6	879.4	942.8	990.5	1056	1117	1231	1302	1432	1519	1603
		ηs,c		%	181.5	183.1	182.2	181.7	182.8	181.4	182.2	179.3	193.9	192.3	190.8	188.9
SEER					4.61	4.65	4.63	4.62	4.65	4.61	4.63	4.56	4.92	4.88	4.84	4.80
Cooling capacity	Nom.			kW	712.3	765.6	879.4	942.8	990.5	1056	1117	1231	1302	1432	1519	1603
Power input	Cooling	Nom.		kW	230.7	246.6	284.9	303.9	318.9	339.4	357.4	396	418.4	465.3	510.4	567.4
Capacity control	Method				Inverter											
	Minimum capacity			%	12.5											
EER					3.09	3.10	3.09	3.10	3.11	3.11	3.13	3.11	3.11	3.08	2.98	2.83
ESEER					4.61	4.65	4.63	4.62	4.65	4.61	4.63	4.56	4.92	4.88	4.84	4.80
IPLV					4.79	4.85	4.8	4.74	4.78	4.71	4.73	4.63	5.17	5.08	5.07	4.98
Dimensions	Unit	Height		mm	2,540											
		Width		mm	2,280											
		Depth		mm	6,909		7,809	8,709	9,602	10,510	11,402	12,302	11,402	12,302		14,102
Weight	Unit			kg	7,033		7,660	8,093	8,900	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg	7,313		8,152	8,585	9,483	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube											
	Water volume			l	280		492		583		1,043		1,011			
	Water flow rate	Cooling	Nom.	l/s	33.97	36.51	41.94	44.96	47.24	50.34	53.27	58.7	62.06	68.28	72.41	76.45
	Water pressure drop	Cooling	Nom.	kPa	44.6	50.8	59.7	67.7	59.9	67.2	44.3	52.7	38.7	45.9	51	56.3
Air heat exchanger	Type				Microchannel											
Compressor	Type				Inverter Driven Single Screw											
	Quantity				2											
Fan	Type				DPT											
	Quantity				14		16	18	20	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	71,438	71,438	81,644	91,849	102,054	112,259	122,464	132,670	122,464	132,670	142,876	153,081
	Speed			rpm	900											
Sound power level (SSB)	Cooling	Nom.		dBA	101		102	103	104	105	106	107	105	106	107	108
Sound power level (SLB)	Cooling	Nom.		dBA	98		99	100	101		102	103	102		103	104
Sound pressure level (SSB)	Cooling	Nom.		dBA	80		81	82		83	84	83		84	85	
Sound pressure level (SLB)	Cooling	Nom.		dBA	77		78		79		80	79		80		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 to 50											
	Water side	Cooling	Min.~Max.	°CDB	-8 to 18											
Refrigerant	Type/GWP				R1234ze/7											
	Charge			kg	120		130	141	150	175	200	220	200	220	250	270
	Circuits	Quantity			2											
Refrigerant charge	Per circuit			TCO2Eq	420		455	494	525	613	700	770	700	770	875	945
Piping connections	Evaporator water inlet/outlet (OD)				168.3		219.1				273					
Unit	Running current	Cooling	Nom.	A	408.6	433.3	493.5	521.5	549.9	579.6	612.7	668.8	718.8	780.9	848.9	934.8
		Max		A	609	640	717	763	811	869	924	1,032	1,029	1,119	1,198	1,226
Power supply	Phase/Frequency/Voltage			Hz/V	3/50/400											

Air cooled screw inverter chiller, standard efficiency, reduced sound

WAH-TZXSC/XLC/XRC

Microtech IV

Cooling Only				EWAH-TZSSC/SLC	710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16
Space cooling	A Condition 35°C	Pdc		kW	696.3	749.2	859.6	922.1	970.5	1.034	1.095	1.204	1.273	1.400	1.484	1.552
	ηs.c			%	204.8	202.6	202.7	204.2	209.9	207.2	210.4	207.1	216.6	213.7	214.0	213.2
SEER					5.19	5.14	5.14	5.18	5.32	5.26	5.33	5.25	5.49	5.42	5.42	5.40
Cooling capacity	Nom.			kW	696.3	749.2	859.6	922.1	970.5	1.034	1.095	1.204	1.273	1.400	1.484	1.552
Power input	Cooling	Nom.		kW	232.1	253	290.9	309.1	318.8	340.5	354	396.4	424.2	479.7	524.7	581
Capacity control	Method				Inverter											
	Minimum capacity			%	12.5											
EER					3.00	2.96	2.96	2.98	3.04	3.04	3.09	3.04	3.00	2.92	2.83	2.67
ESEER					5.19	5.14	5.14	5.18	5.32	5.26	5.33	5.25	5.49	5.42	5.42	5.40
IPLV					5.43	5.4	5.36	5.37	5.52	5.46	5.49	5.35	5.79	5.73	5.71	5.71
Dimensions	Unit	Height		mm	2.540											
		Width		mm	2.280											
		Depth		mm	6.909	6.909	7.809	8.709	9.602	10.510	11.402	12.302	11.402	12.302		14.102
Weight	Unit			kg	7.033	7.033	7.660	8.093	8.900	9.288	10.073	10.475	10.716	11.134	11.564	12.037
	Operation weight			kg	7.313	7.313	8.152	8.585	9.483	9.871	11.116	11.518	11.727	12.145	12.575	13.048
Water heat exchanger	Type				Shell and tube											
	Water volume			l	280		492		583		1.043		1.011			
	Water flow rate	Cooling	Nom.	l/s	33.21	35.73	41	43.98	46.29	49.32	52.23	57.43	60.72	66.74	70.77	73.99
	Water pressure drop	Cooling	Nom.	kPa	42.8	48.9	57.3	64	57.8	64.8	42.7	50.7	37.2	44.1	48	53.1
Air heat exchanger	Type				Microchannel											
Compressor	Type				Inverter Driven Single Screw											
	Quantity				2											
Fan	Type				DPT											
	Quantity				14		16	18	20	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	51.803		59.430	66.660	74.287	81.518	89.145	96.375	89.145	96.375	104.002	111.232
	Speed			rpm	700											
Sound power level	Cooling	Nom.		dBA	91		92	93	94		95	96	95		96	97
Sound pressure level	Cooling	Nom.		dBA	70			71	72			73	72	73		74
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 to 50											
	Water side	Cooling	Min.~Max.	°CDB	-8 to 18											
Refrigerant	Type/GWP				R1234ze/7											
	Charge			kg	120	120	130	141	150	175	200	220	200	220	250	270
	Circuits	Quantity			2											
Refrigerant charge	Per circuit			TCO2Eq	420		455	494	525	613	700	770	700	770	875	945
Piping connections	Evaporator water inlet/outlet (OD)				168.3		219.1				273					
Unit	Running current	Cooling	Nom.	A	414.9	446.8	505.2	529.7	554.4	581.0	611.1	667.2	736.4	796.5	863.9	952.0
		Max		A	609	640	717	763	811	869	924	1,032	1,029	1,119	1,198	1,226
Power supply	Phase/Frequency/Voltage			Hz/V	3/50/400											

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1600 kW
- Includes new generation Daikin Microtech IV controller with higher memory capacity and faster microprocessor
- Microchannel coils
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only					EWAH-TZSSC/SLC	670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C	Pdc		kW		669.3	783.4	840.2	947.7	1,014	1,120	1,237	1,347	1,443	1,527
	ηs,c			%		210.0	211.6	212.8	215.9	216.7	213.2	219.2	218.4	217.5	216.3
SEER						5.32	5.36	5.40	5.47	5.49	5.40	5.56	5.53	5.51	5.48
Cooling capacity	Nom.			kW		669.3	783.4	840.2	947.7	1,014	1,120	1,237	1,347	1,443	1,527
Power input	Cooling	Nom.		kW		206	242	260.2	292.4	310.6	351.7	380.1	420.4	460.7	507.5
Capacity control	Method					Inverter									
	Minimum capacity			%		12.5									
EER						3.25	3.24	3.23	3.24	3.26	3.18	3.25	3.20	3.13	3.01
ESEER						5.32	5.36	5.40	5.47	5.49	5.40	5.56	5.53	5.51	5.48
IPLV						5.59	5.59	5.6	5.64	5.66	5.53	5.86	5.8	5.76	5.7
Dimensions	Unit	Height		mm		2,540									
		Width		mm		2,280									
		Depth		mm		6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302	13,202	14,102
Weight	Unit			kg		7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg		7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type					Shell and tube									
	Water volume			l		280	492		583	1,043		1011			
	Water flow rate	Cooling	Nom.	l/s		31.92	37.36	40.07	45.2	48.35	53.39	58.97	64.23	68.78	72.8
	Water pressure drop	Cooling	Nom.	kPa		39.9	48.5	54	55.3	37.2	44.5	35.3	41.1	46.5	51.5
Air heat exchanger	Type					Microchannel									
Compressor	Type					Inverter Driven Single Screw									
	Quantity					2									
Fan	Type					DPT									
	Quantity					14	16	18	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s		53,389	61,016	68,643	83,897	91,524	99,151	122,464	132,670	142,876	153,081
	Speed			rpm		700						900			
Sound power level	Cooling	Nom.		dBA		98	99	100	101	103	105	104	105	106	107
Sound pressure level	Cooling	Nom.		dBA		76	78	78	79	80	82		82	83	84
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18 to 50									
	Water side	Cooling	Min.~Max.	°CDB		-8 to 18									
Refrigerant	Type/GWP					R1234ze/7									
	Charge			kg		120	130	141	175	200	220	200	220	250	270
	Circuits	Quantity				2									
Refrigerant charge	Per circuit			TCO2Eq		420	455	494	613	700	770	700	770	875	945
Piping connections	Evaporator water inlet/outlet (OD)					168.3	219.1			273					
Unit	Running current	Cooling	Nom.	A		373.9	431.3	459.1	513.1	544.2	604.8	660.3	717.4	778.2	848.9
		Max		A		588	625	693	754	836	936	967	1,042	1,132	1,157
Power supply	Phase/Frequency/Voltage			Hz/V		3/50/400									

Air cooled screw inverter chiller, high efficiency, reduced sound

WAH-TZXSC/XLC/XRC

Microtech IV

Cooling Only				EWAH-TZSSC/SLC	670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C Pdc			kW	669.2	783.2	840	947.5	1,014	1,119	1,213	1,321	1,416	1,497
	ηs,c			%	208.3	211.4	212.7	215.8	216.1	212.6	219.4	220.2	218.8	217.4
SEER					5.28	5.36	5.39	5.47	5.48	5.39	5.56	5.58	5.55	5.51
Cooling capacity	Nom.			kW	669.2	783.2	840	947.5	1,014	1,119	1,213	1,321	1,416	1,497
Power input	Cooling	Nom.		kW	206.2	243.3	261.9	292.6	310.8	351.9	382.2	426	467.4	514.6
Capacity control	Method				Inverter									
	Minimum capacity			%	12.5									
EER					3.25	3.22	3.21	3.24	3.26	3.18	3.17	3.10	3.03	2.91
ESEER					5.28	5.36	5.39	5.47	5.48	5.39	5.56	5.58	5.55	5.51
IPLV					5.58	5.58	5.59	5.63	5.65	5.52	5.94	5.86	5.81	5.79
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,280									
		Depth		mm	6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302		14,102
Weight	Unit			kg	7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037
	Operation weight			kg	7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube									
	Water volume			l	280	492		583	1,043		1,011			
	Water flow rate	Cooling	Nom.	l/s	31.91	37.35	40.06	45.19	48.34	53.38	57.83	63	67.49	71.39
	Water pressure drop	Cooling	Nom.	kPa	39.9	48.4	54	55.3	37.2	44.4	34.1	39.7	44	49.7
Air heat exchanger	Type				Microchannel									
Compressor	Type				Inverter Driven Single Screw									
	Quantity				2									
Fan	Type				DPT									
	Quantity				14	16	18	22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	51,803	59,430	66,660	81,518	89,145	96,375	89,145	96,375	104,002	111,232
	Speed			rpm	700									
Sound power level	Cooling	Nom.		dBA	90	91	92	93	94	95	94	95	96	
Sound pressure level	Cooling	Nom.		dBA	69	70		71			72			73
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 to 50									
	Water side	Cooling	Min.~Max.	°CDB	-8 to 18									
Refrigerant	Type/GWP				R1234ze/7									
	Charge			kg	120	130	141	175	200	220	200	220	250	270
	Circuits	Quantity			2									
Refrigerant charge	Per circuit			TCO2Eq	420	455	494	613	700	770	700	770	875	945
Piping connections	Evaporator water inlet/outlet (OD)				168.3	219.1			273					
Unit	Running current	Cooling	Nom.	A	374.9	432.6	460.2	514.2	545.4	606.0	670.1	725.0	783.7	853.8
		Max		A	588	625	693	754	836	936	967	1,042	1,132	1,157
Power supply	Phase/Frequency/Voltage			Hz/V	3/50/400									

Air cooled screw chiller, standard efficiency, standard/low sound

- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Advanced compressor and fans design that operate at very low sound levels
- 2 or 3 independent refrigerant circuits for outstanding reliability and maximum safety for maintenance
- Extremely wide range from 290kW to over 2 MW
- Optimised for use with R-134a
- Large operation range (ambient temperature down to -18°C)
- Units with stepless regulation offer the benefit of following the system energy demand at any time with high efficiency if compared to the units with step regulation. Each unit has infinitely variable capacity control from 100% down to 12,5%
- The Microchannel technology maximizes the heat exchange ensuring the highest performance with the minimum surface for the exchanger and a reduced quantity of refrigerant compared to Cu/Al condenser.
- MicroTech III controller with superior control logic and easy interface

Cooling Only					EWAD-T-SSB/SLB	290	330	370	510	520	580	700	800	940	C10	H10	C11	H12	H13	H14
Space cooling	A Condition 35°C	Pdc		kW		290.7	334.5	373.4	505.8	522.7	575.8	701.3	809.9	936.3	999.7	1,051.0	1,135.0	1,268.0	1,352.0	1,456.0
	ηs,c			%		149.5		149.6	161.6	161.1	164.6	161.9	161.7	161.3	161.6	162.1	161.9	161.5	162.1	161.7
SEER						3.8			4.1		4.2					4.1				
Cooling capacity	Nom.			kW		290.7	334.5	373.4	505.8	522.7	575.8	701.3	809.9	936.3	999.7	1,051	1,135	1,268	1,352	1,456
Power input	Cooling	Nom.		kW		92.73	111.6	120.8	166.6	171	189.6	234.1	266.1	308.3	340.7	362.4	387.9	438.8	464.4	490.7
Capacity control	Method					Fixed														
	Minimum capacity			%		12.5														
EER						3.135	2.996	3.09	3.037	3.057	3.036	2.996	3.043	3.037	2.934	2.903	2.928	2.89	2.913	2.969
ESEER						3.86	3.73	3.74	3.87	3.95	4.05	3.87	3.89	3.82	3.89	3.74	3.77		3.79	3.8
IPLV						4.48	4.38	4.37	4.83	5.38	5.49	4.93	4.55	4.69	4.61	4.41	4.46		4.5	4.53
Dimensions	Unit	Height		mm		2,537														
		Width		mm		2,258						2,282								
		Depth		mm		3,230		4,130		5,030		5,976		6,876			7,776		8,676	9,576
Weight	Unit			kg		3,061		4,104	4,724	4,860		5,527	5,525	5,858		6,229	6,520	6,780	8,084	8,426
	Operation weight			kg		3,161		4,274	4,894	5,030		5,825		6,188		6,710	6,981	7,272	8,554	8,887
Water heat exchanger	Type					Shell and tube														
	Water volume			l		89		181	164	170	164	298	300	330		481	461	492	470	461
	Water flow rate	Cooling	Nom.	l/s		13.9	16	17.9	24.2	25	27.6	33.6	38.7	44.8	47.8	50.3	54.3	60.7	64.7	69.8
	Water pressure drop	Cooling	Nom.	kPa		28.5	31.1	42	30.5	43.6	60.4	51.4	32.4	39.5	44.7	41.6	32.7	34.2	44.5	61.3
Air heat exchanger	Type					Microchannel														
Compressor	Type					Driven vapour compression														
	Quantity					2														
Fan	Type					Direct propeller, on/off fans														
	Quantity					6		8		10		12		14			16		18	20
	Air flow rate	Nom.		l/s		33,129		44,172		55,214		66,257		77,300			88,343		99,386	110,429
	Speed			rpm		900														
Sound power level (SSB)	Cooling	Nom.		dBA		98	98		101						102				103	
Sound power level (SLB)	Cooling	Nom.		dBA		98	94	95	97			96		97	98	97	98			
Sound pressure level (SSB)	Cooling	Nom.		dBA		78			81			83		84						
Sound pressure level (SLB)	Cooling	Nom.		dBA		78	74	75	77			79		80			79			
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~50														
	Water side	Cooling	Min.~Max.	°CDB		-8~18														
Refrigerant	Type/GWP					R-134a/1,430														
	Charge			kg		50		55	58	66	67	93.6		109.2			124.8		140.4	156
	Circuits	Quantity				2														
Refrigerant charge	Per circuit			TCO2Eq		35.75		39.32	41.47	47.19	47.90	66.92		78.08			89.23		100.39	111.54
Piping connections	Evaporator water inlet/outlet (OD)					114.3		139.7				6"				8"				
Unit	Starting current	Max		A		253	264	306	470	493		574	645	697	705	773	797	877	925	933
	Running current	Cooling	Nom.	A		76.76	94.25	195.63	144.71	148.11	171.97	370.76	422.34	486.54	534.13	572.46	610	692.46	727.9	763.34
		Max		A		211	242	272	345	373	395	492	536	621	675	709	768	838	897	956
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400														

Air cooled screw chiller, standard efficiency, reduced sound

EWAD-TSSB/SLB/SRB

MicroTech III

Cooling Only					EWAD-T-SRB	700	800	940	C10	H10	C11	H12	H13	H14
Space cooling	A Condition 35°C	Pdc		kW		684.7	786.9	909.0	967.5	1,014.0	1,099.0	1,216.0	1,302.0	1,408.0
	ηs,c			%		161.3	161.1	161.0	161.2	161.3	161.1		161.2	
SEER										4.1				
Cooling capacity	Nom.			kW		684.7	786.9	909	967.5	1,014	1,099	1,216	1,302	1,408
Power input	Cooling	Nom.		kW		236.6	270.7	314.8	351.1	373	398	453.8	478.7	504.2
Capacity control	Method									Fixed				
	Minimum capacity			%						12.5				
EER						2.894	2.907	2.89	2.755	2.719	2.762	2.681	2.722	2.793
ESEER						3.89	3.9	3.85	3.79	3.73	3.76	3.75	3.77	3.81
IPLV						4.9	4.56	4.57	4.45	4.39	4.44	4.43	4.49	
Dimensions	Unit	Height		mm						2,537				
		Width		mm						2,282				
		Depth		mm		5,976		6,876			7,776		8,676	9,576
Weight	Unit			kg		5,527	5,525	5,858		6,229	6,520	6,780	8,084	8,426
	Operation weight			kg		5,825		6,188		6,710	6,981	7,272	8,554	8,887
Water heat exchanger	Type									Shell and tube				
	Water volume			l		298	300	330		481	461	492	470	461
	Water flow rate	Cooling	Nom.	l/s		32.8	37.6	43.5	46.3	48.5	52.6	58.2	62.3	67.4
	Water pressure drop	Cooling	Nom.	kPa		49.2	30.7	37.5	42.2	39	30.8	31.7	41.6	57.7
Air heat exchanger	Type									Microchannel				
Compressor	Type									Driven vapour compression				
	Quantity									2				
Fan	Type									Direct propeller, on/off fans				
	Quantity					12		14			16		18	20
	Air flow rate	Nom.		l/s		52,172		60,868			69,563		78,258	86,954
	Speed			rpm						760				
Sound power level	Cooling	Nom.		dBA			91			92			93	
Sound pressure level	Cooling	Nom.		dBA		73	74	73		74				
Operation range	Air side	Cooling	Min.~Max.	°CDB						-18~50				
	Water side	Cooling	Min.~Max.	°CDB						-8~18				
Refrigerant	Type/GWP									R-134a/1,430				
	Charge			kg		93.6		109.2			124.8		140.4	156
	Circuits	Quantity								2				
Refrigerant charge	Per circuit			TCO2Eq		66.92		78.08			89.23		100.39	111.54
Piping connections	Evaporator water inlet/outlet (OD)						6"					8"		
Unit	Starting current	Max		A		567	638	693	701	766	786	868	914	922
	Running current	Cooling	Nom.	A		376.73	431.76	499.71	554.32	592.7	629.99	720.93	755.84	790.74
		Max		A		478	523	605	659	693	750	820	876	933
Power supply	Phase/Frequency/Voltage			Hz/V						3~/50/400				

Air cooled screw chiller, high efficiency, standard/low sound

- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Advanced compressor and fans design that operate at very low sound levels
- 2 or 3 independent refrigerant circuits for outstanding reliability and maximum safety for maintenance
- Extremely wide range from 290kW to over 2 MW
- Optimised for use with R-134a
- Large operation range (ambient temperature down to -18°C)
- Units with stepless regulation offer the benefit of following the system energy demand at any time with high efficiency if compared to the units with step regulation. Each unit has infinitely variable capacity control from 100% down to 12,5%
- The Microchannel technology maximizes the heat exchange ensuring the highest performance with the minimum surface for the exchanger and a reduced quantity of refrigerant compared to Cu/Al condenser.
- MicroTech III controller with superior control logic and easy interface

Cooling Only					EWAD-T-XSB/XLB	350	380	400	420	440	490	540	570	730	820	950	C10	H10	H11	C13	H13	C14
Space cooling	A Condition 35°C	Pdc		kW		351.5	376.9	398.3	415.2	437.9	491.7	541.2	564.8	725.4	831.9	943.5	1,008.0	1,077.0	1,164.0	1,308.0	1,390.0	1,454.0
	ηs,c			%		154.6	155.1	162.1	161.2	161.1	168.0	171.7	168.0	167.1	164.5	169.6	166.3	166.7	167.1		166.7	164.7
SEER						3.9	4.0	4.1			4.3	4.4	4.3		4.2	4.3	4.2		4.3		4.2	
Cooling capacity	Nom.			kW		351.5	376.9	398.3	415.2	437.9	491.7	541.2	564.8	725.4	831.9	943.5	1,008	1,077	1,164	1,308	1,390	1,454
Power input	Cooling	Nom.		kW		106.1	114.9	121.4	128.8	138.5	159.1	166.6	177.8	234.6	267.5	299.3	333.1	347.2	374.7	421.1	447.1	481.7
Capacity control	Method					Fixed																
	Minimum capacity			%		12.5																
EER						3.314	3.28		3.224	3.163	3.091	3.248	3.177	3.092	3.11	3.152	3.027	3.103	3.108	3.107	3.109	3.019
ESEER						4.01	3.98	4.15	3.97	3.96	4.11	4.13	4.05	3.94	3.95	4.05	3.95	3.89	3.88	3.95	3.94	3.87
IPLV						4.6	4.55	4.76	4.61	4.57	5.46	5.49	5.3	4.93	4.65	5.17	4.69	4.63	4.66	4.64	4.68	4.63
Dimensions	Unit	Height		mm		2,537																
		Width		mm		2,258								2,282								
		Depth		mm		4,130			5,030			5,878		5,976		7,776		8,676	9,576		10,476	
Weight	Unit			kg		4,054	4,064		4,360		4,860	5,397	5,387	5,315	5,525	6,121		7,798	8,126	8,386	8,751	8,765
	Operation weight			kg		4,224	4,234		4,530		5,030	5,567	5,557	5,604	5,825	6,451		8,259	8,587	8,878	9,232	9,235
Water heat exchanger	Type					Shell and tube																
	Water volume			l		134	129		170			164	170	289	300	330		461		492	481	470
	Water flow rate	Cooling	Nom.	l/s		16.8	18	19	19.8	20.9	23.5	25.9	27	34.7	39.8	45.1	48.3	51.6	55.8	62.6	66.5	69.6
	Water pressure drop	Cooling	Nom.	kPa		20.1	26.3	25.1	19.3	21.1	42.7	34.1	33.4	33	36.8	40.8	46	51.9	60.5	36.2	40.4	50.8
Air heat exchanger	Type					Microchannel																
Compressor	Type					Driven vapour compression																
	Quantity					2																
Fan	Type					Direct propeller, on/off fans																
	Quantity					8		10				12				16	18	20			22	
	Air flow rate	Nom.		l/s		44,172		55,214				66,257				88,343	99,386	110,429			121,472	
	Speed			rpm		900																
Sound power level (XSB)	Cooling	Nom.		dBA		98					101			99		100			101			
Sound power level (XLB)	Cooling	Nom.		dBA		95					97					98				99		
Sound pressure level (XSB)	Cooling	Nom.		dBA		78					81				82	81	82	81		82		
Sound pressure level (XLB)	Cooling	Nom.		dBA		75					77			79	80	79	80	79		80	79	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~53																
	Water side	Cooling	Min.~Max.	°CDB		-8~18																
Refrigerant	Type/GWP					R-134a/1,430																
	Charge			kg		52	54	65	66			72		93.6		124.8		140.4	156		171.6	
	Circuits	Quantity				2																
Refrigerant charge	Per circuit			TCO2Eq		37.18	38.61	46.48	47.19			51.48		66.92		89.23		100.39	111.54		122.69	
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm								6"				8"				
Unit	Starting current	Max		A		253	296	311	399	422	475	493		574	645	703	705	778	802	883	931	939
	Running current	Cooling	Nom.	A		174.38	97.83	114.97	114.79	129.16	147.79	141.98	158.14	372.87	424.09	471.71	521	546.1	584.5	662.5	699.2	749.6
		Max		A		248	260	277	299	322.00	351	378	401	492	536	626	680	719	778	848	907	961
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																

Air cooled screw chiller, high efficiency, reduced sound

EWAD-T-XSB/XLB/XRB

MicroTech III

Cooling Only					EWAD-T-XRB	730	820	950	C10	H10	H11	C13	H13	C14
Space cooling	A Condition 35°C	Pdc		kW		707.6	807.8	922.1	982.4	1,053.0	1,164.0	1,273.0	1,355.0	1,412.0
		ηs,c		%		165.4	163.9	167.5	165.1	165.4	166.3	165.9	165.5	163.8
SEER						4.2		4.3		4.2				
Cooling capacity	Nom.			kW		707.6	807.8	922.1	982.4	1,053	1,164	1,273	1,355	1,412
Power input	Cooling	Nom.		kW		237.3	272.1	301.1	338.9	348	374.7	426.4	452	490.7
Capacity control	Method					Fixed								
	Minimum capacity			%		12.5								
EER						2.982	2.968	3.063	2.898	3.018	3.108	2.986	2.998	2.879
ESEER						3.94	3.87	4.07	3.85	3.91	3.89	3.96		3.88
IPLV						4.92	4.56	5.1	4.57	4.65	4.67	4.65	4.69	4.62
Dimensions	Unit	Height		mm		2,537								
		Width		mm		2,282								
		Depth		mm		5,976		7,776		8,676	9,576		10,476	
Weight	Unit			kg		5,315	5,525	6,121		7,798	8,126	8,386	8,751	8,765
	Operation weight			kg		5,604	5,825	6,451		8,259	8,587	8,878	9,232	9,235
Water heat exchanger	Type					Shell and tube								
	Water volume			l		289	300	330		461		492	481	470
	Water flow rate	Cooling	Nom.	l/s		33.8	38.6	44.1	47	50.4	55.8	60.9	64.8	67.6
	Water pressure drop	Cooling	Nom.	kPa		31.6	34.9	39.2	43.9	49.8	60.5	34.4	38.5	48.2
Air heat exchanger	Type					Microchannel								
Compressor	Type					Driven vapour compression								
	Quantity					2								
Fan	Type					Direct propeller, on/off fans								
	Quantity					12		16		18	20		22	
	Air flow rate	Nom.		l/s		52,172		69,563		78,258	110,429	86,954	95,649	
	Speed			rpm		760					900	760		
Sound power level	Cooling	Nom.		dBA		91		92			93			
Sound pressure level	Cooling	Nom.		dBA		73	74	73	74	73			74	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~53								
	Water side	Cooling	Min.~Max.	°CDB		-8~18								
Refrigerant	Type/GWP					R-134a/1,430								
	Charge			kg		93.6		124.8		140.4	156		171.6	
	Circuits	Quantity				2								
Refrigerant charge	Per circuit			TCO2Eq		66.92		89.23		100.39	111.54		122.69	
Piping connections	Evaporator water inlet/outlet (OD)					6"				8"				
Unit	Starting current	Max		A		567	638	696	701	769	802	871	917	925
	Running current	Cooling	Nom.	A		379.04	433.58	477.39	533.75	552.3	584.5	675.01	711.6	769.5
		Max		A		478	523	608	662	699	778	826	882	936
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400								

EWAT-B- Multi scroll Air cooled chiller with R-32 refrigerant

Why choose EWAT-B- chiller series?

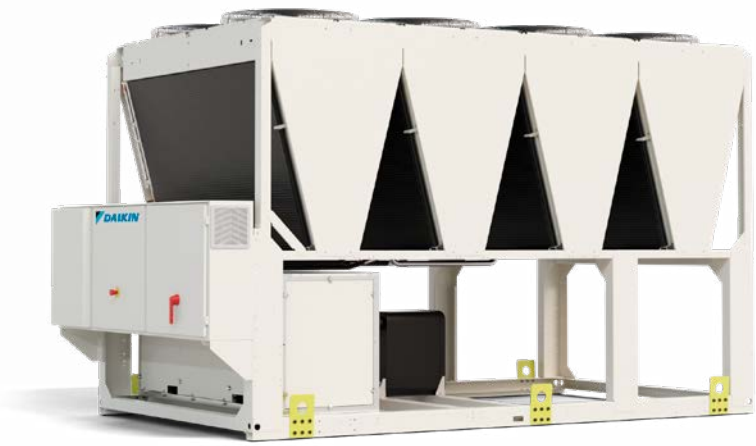
- ☑ Top class efficiency, SEER up to 4,7. Overcoming 2021 Eco-design requirements!
- ☑ Environmental friendly refrigerant → First in the market
- ☑ New R-32 optimized scroll compressors and heat exchangers
- ☑ The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410
- ☑ The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems
- ☑ As a single component refrigerant, R-32 is also easier to recycle and reuse another environmental plus in its favour
- ☑ Wide capacity range: 80 – 700 kW
- ☑ Microchannel condensing coil, for reduced refrigerant charge
- ☑ Silver and Gold efficiency versions
- ☑ 3 sound configurations
- ☑ Full compatibility with Daikin on Site
- ☑ New Hydronic Kit configurations (single and twin pump, inertial tank, VFD)
- ☑ Single and dual circuit version overlapping between 150 kW and 350 kW
  - › Single circuit units fits 2 or 3 compressors
  - › Dual circuit units fits 4 or 5 or 6 compressors
- ☑ Extensive option lists
- ☑ Fan speed modulation option (VFD)

Single V

› Slim Lay-out
› Higher flexibility: new intermediate sound configuration for both Silver and Gold versions

Modular V

› Brand new layout
› Better part load efficiency (SEER) vs previous generation:
  › +4% with standard arrangement
  › +7% with VFD fan option



BLUEVOLUTION + FREE cooling

The new Daikin R-32 chiller series can be offered with innovative free-cooling options to further improve energy efficiency and reduce running costs

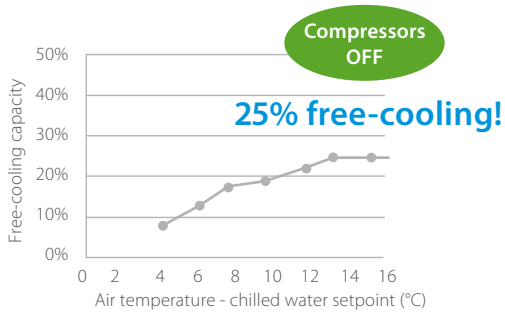
Unique in the market

Free-cooling - Light

Refrigerant migration system allowing
to recover up to 25% of normal unit capacity

Benefits

› Glycol free solution
› No refrigerant pump required
› No extra footprint vs standard unit
› No extra pressure drops on water side



Free-cooling - Full

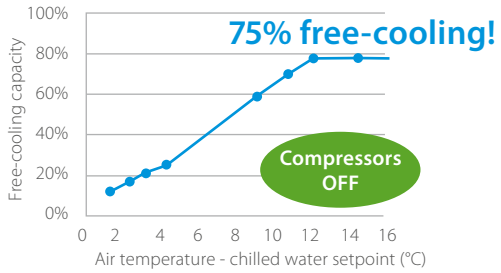
PATENTED

Refrigerant migration system allowing
to recover up to 75% of normal unit capacity

Benefits

› 75% free-cooling due to additional "Shell & Tube" refrigerant to water erchanger (compared to Light version)
› Glycol free solution
› No refrigerant pump required
› No extra footprint vs standard unit*
› No extra pressure drops on water side

(*) except 4 fans model

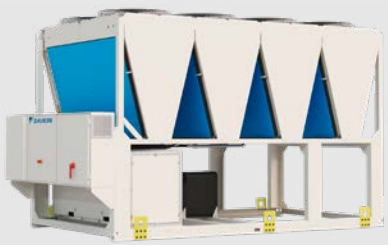


Air cooled scroll chiller, standard efficiency, standard/low sound

› First R-32 air cooled chiller with Scroll compressors in the market
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› One or two truly independent refrigerant circuits for outstanding reliability
› MicroTech III controller with superior control logic and easy interface
› Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
› Fan speed modulation to ensure precise airflow control and optimized condensing temperature
› Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
› Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

Cooling Only					**EWAT-B-SS/SL**	**085**	**115**	**135**	**155**	**175**	**195**	**205**	**215**	**240**	**260**	**290**	**310**	**330**	**340**	**350**	**420**	**460**	**510**	**570**	**610**	**670**
Space cooling	A Condition 35°C	Pdc		kW		80.92	108.73	131.2	157.55	174.49	190.91	209.86	216.55	240.44	259.39	281.85	305.6	328.59	342	348.88	414.98	465.75	511.1	564.43	609.05	664.62
	ηs,c			%		149	161.8	149		163	157.8	159.8	151	165.4	155.4	168.2	166.2	167.4	169.8	161.4	174.6	171	172.2	169.8	171.4	
	ηs,c + VFDFAN					-								169	158,6	172,6	170,2	171	177	163,8	177,4	175,4	176,6	173,4	173,8	177,4
SEER						3.8	4.12	3.8		4.15	4.02	4.07	3.85	4.21	3.96	4.28	4.23	4.26	4.32	4.11	4.44	4.35	4.38	4.32	4.36	
SEER + VFDFAN						-								4.3	4.04	4.39	4.33	4.35	4.5	4.17	4.51	4.46	4.49	4.41	4.42	4.51
Cooling capacity	Nom.			kW		80.92	108.73	131.2	157.55	174.49	190.91	209.86	216.55	240.44	259.39	281.85	305.6	328.59	342	348.88	414.98	465.75	511.1	564.43	609.05	664.62
Power input	Cooling	Nom.		kW		31.8	38.5	49.8	61.8	67.7	69.4	79.8	85.6	85.3	95.7	108	112	121	117	132	146	171	186	216	230	239
Capacity control	Method					Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER						2.55	2.82	2.64	2.55	2.58	2.75	2.63	2.53	2.82	2.71	2.61	2.71	2.7	2.92	2.64	2.83	2.72	2.74	2.61	2.64	2.78
ESEER						3.96	4.03	3.86	3.83	4.09	4	3.94	3.85	3.94	3.76	3.99	4.02	3.97	4.06	3.91	4.09	4	3.97	4.03	4.01	3.98
IPLV						4.65	4.92	4.46	4.68	4.78	4.8	4.87	4.49	4.66	4.46	4.76	4.67	4.65	4.77	4.58	4.77	4.75	4.7	4.74	4.71	4.73
EER + VFDFAN						-								2.81	2.71	2.61	2.71	2.69	2.91	2.64	2.82	2.71	2.74	2.61	2.64	2.77
ESER + VFDFAN						-								4	3.86	4.09	4.09	4.01	4.21	3.98	4.14	4.13	4.06	4.03	4.08	4.11
IPLV + VFDFAN						-								4.77	4.59	4.88	4.85	4.73	4.84	4.71	4.89	4.92	4.81	4.82	4.78	4.96
Dimensions	Unit	Height		mm		1,801			1,822	1,801	1,822			2,540												
		Width		mm		1,204								2,236												
		Depth		mm		2,120	2,660		3,570	3,180	4,170		3,780	2,326			3,226				4,126			5,025	5,874	
Weight (SS)	Unit			kg		679	763	810	1,005	983	1,164	1,156	1,191	1,660	1,688	1,853	2,096	2,123	2,247	2,304	2,600	2,921	2,913	3,148	3,554	3,888
	Operation weight			kg		686	773	820	1,014	996	1,177	1,169	1,210	1,668	1,694	1,869	2,114	2,141	2,268	2,324	2,630	2,954	2,946	3,195	3,597	3,924
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	7	12	11		16	11		16	19		20	19	28			42		
	Water flow rate	Cooling	Nom.	l/s		3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4	11.5	12.4	13.5	14.6	15.7	16.4	16.7	19.9	22.3	24.5	27	29.2	31.9
	Water pressure drop	Cooling	Nom.	kPa		27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4	69.7	80	66.7	46.4	52.9	77.2	59	54.5	67.2	79.6	65.4	75.1	88
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Scroll																				
	Quantity					2			4	2	4		2	4		3	4		3	4		5		6		
Fan	Type					Direct propeller																				
	Quantity					4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s		6,022	9,036		13,354	12,023	16,710		15,057	20,306			25,382		30,459	25,382	35,535		40,612		45,688	55,841
	Speed			rpm		1,360								900												
Sound power level (SS)	Cooling	Nom.		dBA		84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2	93.3	93.8	94.8	94.9	95.3	96.1	95.6	96.7	97.0	97.6	97.8	98.3	99.0
Sound power level (SL)	Cooling	Nom.		dBA		83.7	86.2	87.0	86.7	88.8	88.1	88.7	90.0	90.8	90.8	91.0	91.8	91.9	92.7	91.9	93.3	93.4	93.9	94.0	94.5	95.3
Sound pressure level (SS)	Cooling	Nom.		dBA		67.4	70.5	72.0	69.5	73.8	71.3	72.3	74.8	74.3	74.8	75.8	75.4	75.8	76.6	76.1	76.7	77.0	77.6	77.9		78.2
Sound pressure level (SL)	Cooling	Nom.		dBA		66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6	71.8	71.8	72.0	72.3	72.4	73.2	72.4	73.3	73.4	74.0	74.0	74.1	74.6
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~43								-18~43												
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10	11	12.5	15	14	18		17	36	38	36	42	43	50	44	57	58	60	62	80	90
	Circuits	Quantity				1			2	1	2		1	2		1	2		1	2						
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9				114.3		
Unit	Starting current	Max		A		213	313	324	284	462	384	395	498	411	422	546	572	583	587	595	635	680	717	761	798	839
	Running current	Cooling	Nom.	A		59	69	83	112	113	122	136	142	147.0	160	179	194	207	197	220	238	285	310	358	382	399
		Max		A		73	86	96	143	132	156	167	168	183	195	215	241	253	256	264	305	349	386	431	467	508
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled scroll chiller, standard efficiency, reduced sound



EWAT-B-SS/SL/SR Modular V

Single V

Microtech III

Cooling Only				EWAT-B-SR	085	115	135	155	175	195	205	215	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C	Pdc	kW		76.32	104.78	123.67	149.61	164.58	180.89	199.92	203.05	230.33	247.63	265.52	289.52	310.75	328.17	329.79	397.33	441.96	486.05	532.44	576.51	634.99
	ηs,c		%		149	161.4	149		163.8	153	153.8	149.8	168.6	157.4	167.4	165	167.4	173	158.6	173.8	171	173.4	169	171.8	173.4
SEER					3.8	4.11	3.8		4.17	3.9	3.92	3.82	4.29	4.01	4.26	4.2	4.26	4.4	4.04	4.42	4.35	4.41	4.3	4.37	4.41
Cooling capacity	Nom.		kW		76.32	104.78	123.67	149.61	164.58	180.89	199.92	203.05	230.33	247.63	265.52	289.52	310.75	328.17	329.79	397.33	441.96	486.05	532.44	576.51	634.99
Power input	Cooling	Nom.	kW		33.8	40.3	53.1	65.9	72.8	73.2	84.7	91.9	89.1	100	115	118	129	122	140	147	181	197	230	244	251
Capacity control	Method				Staged								Variable												
	Minimum capacity		%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER					2.26	2.6	2.33	2.27	2.26	2.47	2.36	2.21	2.59	2.48	2.3	2.44	2.41	2.69	2.35	2.7	2.43	2.46	2.31	2.35	2.53
ESEER					3.95	4.07	3.9	3.81	4.1	3.88	3.97	3.73	4.09	3.89	4.12	4.05	3.96	4.2	3.97	4.09	4.13	4.02	4.13	4.01	4.1
IPLV					4.67	4.97	4.5	4.63	4.74	4.62	4.72	4.36	4.88	4.63	4.84	4.83	4.72	5.01	4.7	4.81	4.86	4.75	4.84		4.89
Dimensions	Unit	Height	mm		1,801			1,822	1,801	1,822			2,540												
		Width	mm		1,204								2,236												
		Depth	mm		2.120	2.660		3,570	3,180	4,170		3,780	2,326			3,226				4,126			5,025	5,874	
Weight	Unit		kg		689	773	820	1,026	993	1,185	1,177	1,191	1,815	1,843	1935	2,251	2,277	2,330	2,304	2,754	2,921	3,078	3,312	3,718	4,053
	Operation weight		kg		696	783	830	1,035	1,006	1,198	1,190	1,210	1,822	1,849	1951	2,268	2,296	2,350	2,324	2,784	2,954	3,111	3,360	3,762	4,089
Water heat exchanger	Type				Brazed plate																				
	Water volume		l		5	6	9	7	12	11		16	11		16	19		20	19	28			42		
	Water flow rate	Cooling	Nom.	l/s	3.7	5	5.9	7.2	7.9	8.7	9.6	9.7	11	11.9	12.7	13.9	14.9	15.7	15.8	19	21.2	23.3	25.5	27.6	30.4
	Water pressure drop	Cooling	Nom.	kPa	24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8	64.5	73.5	59.9	42.1	47.8	71.7	53.2	50.4	61.1	72.7	58.9	68	81
Air heat exchanger	Type				Microchannel																				
Compressor	Type				Scroll																				
	Quantity				2			4	2	4		2	4		3	4		3	4		5		6		
Fan	Type				Direct propeller																				
	Quantity				4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s	4,929	7,396		11,352	9,838	14,202		12,325	17,064			21,330				29,862		34,128		38,394	46,926
	Speed			rpm	1,200								780												
Sound power level	Cooling	Nom.		dBA	78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8	87	87.2	87.5	88.2	88.3	89.1	88.4	89.8		90.4	90.5	91	91.8
Sound pressure level	Cooling	Nom.		dBA	61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4	68.1	68.2	68.5	68.7	68.8	69.6	68.9	69.8	69.9	70.5		70.6	71.1
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~43								-18~43												
	Water side	Cooling	Min.~Max.	°CDB	-13~20																				
Refrigerant	Type/GWP				R-32/675																				
	Charge			kg	10	11	12.5	15	14	18		17	36	38	36	42	43	50	44	57	58	60	62	80	90
	Circuits	Quantity			1		2	1	2		1	2		1	2		1		2					
Piping connections	Evaporator water inlet/outlet (OD)				76.1		88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9				114.3		
Unit	Starting current	Max		A	213	313	324	284	462	384	395	498	411	422	546	572	583	587	595	635	680	717	761	798	839
	Running current	Cooling	Nom.	A	62	71	87	119	119	128	143	151	151	165	189	203	216	202	231	245	298	324	378	402	414
		Max		A	73	86	96	143	132	156	167	168	183	195	215	241	253	256	264	305	349	386	431	467	508
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																				

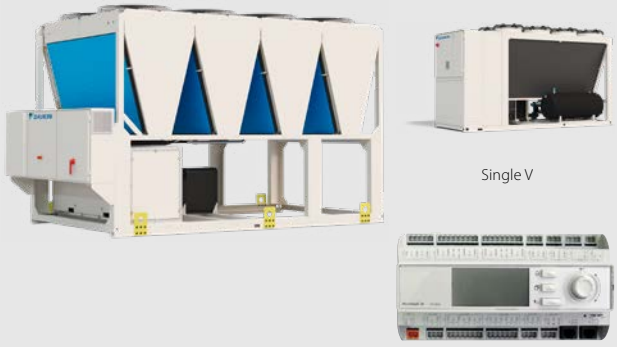
Air cooled scroll chiller, high efficiency, standard/low sound

- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech III controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

Cooling Only					**EWAT-B-XS/XL**	**085**	**115**	**145**	**180**	**185**	**200**	**220**	**230**	**250**	**280**	**300**	**310**	**320**	**360**	**370**	**430**	**470**	**540**	**600**	**660**	**700**
Space cooling	A Condition 35°C	Pdc		kW		87.7	113.64	143.23	178.64	182.18	200.33	225.65	238.26	254.08	280.99	303.6	304.42	325.3	350.13	370.33	423.61	470.48	536.64	606.55	659.77	701.27
	ηs,c			%		155.4	171.8	165.4	161.4	169.4	164.2	167	165.4	167.8	173	170.6	173.8	171.4	171.8	171	175.8	171.4	173.8		175.8	175.4
	ηs,c + VFDFAN			%			-		168.6	-	171	173	170.2	174.6	180.2	184.2	179.4	173.8	181	175	180.2	175	183.8	184.2	185.8	186.6
SEER						3.96	4.37	4.21	4.11	4.31	4.18	4.25	4.21	4.27	4.4	4.34	4.42	4.36	4.37	4.35	4.47	4.36	4.42		4.47	4.46
SEER + VFDFAN							-		4.29	-	4.35	4.4	4.33	4.44	4.58	4.68	4.56	4.42	4.6	4.45	4.58	4.45	4.67	4.68	4.72	4.74
Cooling capacity	Nom.			kW		87.7	113.64	143.23	178.64	182.18	200.33	225.65	238.26	254.08	280.99	303.6	304.42	325.3	350.13	370.33	423.61	470.48	536.64	606.55	659.77	701.27
Power input	Cooling	Nom.		kW		28.9	36.5	44.5	57.2	63.8	65.7	74.9	74.8	81.8	88.2	97.7		106	113	121	136	152	175	195	211	227
Capacity control	Method					Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17
EER						3.04	3.11	3.22	3.12	2.86	3.05	3.01	3.19	3.11	3.19	3.11	3.12	3.05	3.1	3.05	3.11	3.08	3.06	3.1	3.12	3.08
ESEER						4.07	4.23	4.19	4.02	4.05	4.01	4.06	4.1	4.03	4.15	4.14	4.13	4.12	4.08	4.03	4.12	4.09	4.06	4.08	4.12	4.05
IPLV						4.83	5	4.82	4.65	4.88	4.67	4.72	4.71	4.69	4.78	4.8	4.77	4.68	4.8	4.7	4.78	4.77	4.76	4.78	4.82	4.75
EER + VFDFAN							-		3.11	-	3.04	3.01	3.18	3.1	3.17	3.1	3.12	3.04	3.1	3.04	3.1	3.07	3.05	3.1	3.11	3.07
ESER + VFDFAN							-		4.3	-	4.13	4.19	4.23	4.21	4.23	4.32	4.18	4.22	4.25	4.15	4.17	4.2	4.3	4.25	4.33	4.27
IPLV + VFDFAN							-		5.11	-	5.05	5.01	4.92	4.97	5.12	5.09	4.92	4.86	4.94	4.96	4.94	4.99	5.01	4.99	5.12	5.08
Dimensions	Unit	Height		mm		1,801		1,822	2,540	1,822	2,540															
		Width		mm		1,204			2,236	1,204	2,236															
		Depth		mm		2,660	3,180	3,780	2,326	3,780	2,326		3,226						4,126			5,025	5,874	6,774		
Weight (XS)	Unit			kg		733	826	951	1,577	1,062	1,609	1,636	1,915	1,899	2,037	2,130	2,065	2,093	2,508	2,472	2,656	3,072	3,293	3,708	4,083	4,231
	Operation weight			kg		742	836	958	1,588	1,078	1,618	1,646	1,935	1,912	2,055	2,152	2,087	2,123	2,532	2,501	2,693	3,103	3,332	3,751	4,125	4,267
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s		4.2	5.4	6.9	8.6	8.7	9.6	10.8	11.4	12.2	13.4	14.5	14.6	15.6	16.8	17.7	20.3	22.5	25.7	29.1	31.6	33.6
	Water pressure drop	Cooling	Nom.	kPa		31.6	37.3	31	40.7	45.1	50.1	43.7	49.2	54.2	39.8	62.2	46.1	51.9	80.6	65.7	56.6	68.5	59.7	74.6	70.2	78.5
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Scroll																				
	Quantity					2			4	2	4		2	4		3	4		3	4			5	6		
Fan	Type					Direct propeller																				
	Quantity					6	8	10	4	10	4		5	6					7	8	9	10	12	13	14	
	Air flow rate	Nom.		l/s		9,036	12,023	15,057	20,306	15,057	20,306		25,382	30,459					35,535	40,612	45,688	50,765	60,918	65,994	71,071	
	Speed			rpm		1,360			900	1,360	900															
Sound power level (XS)	Cooling	Nom.		dBA		86.0	88.8	90.5	91.2	92.1	92.0	92.7	94.8	93.8	94.6	95.6	95.0	95.4	96.4	96.2	96.9	97.6	98.0	98.6	99.0	99.4
Sound power level (XL)	Cooling	Nom.		dBA		85.2	87.1	88.5	90.6	89.3	90.6	90.7	91.8	91.7	92.5	92.6	92.5	92.6	93.3	93.2	93.8	94.4	94.8	95.6	95.9	96.3
Sound pressure level (XS)	Cooling	Nom.		dBA		68.3	70.8	72.2	72.3	73.7	73.1	73.7	75.3	74.3	75.1	76.1	75.5	75.9	76.4	76.3	77.0	77.2	77.6	77.8	77.9	78.3
Sound pressure level (XL)	Cooling	Nom.		dBA		67.5	69.1	70.1	71.6	70.9	71.7	71.7	72.3	72.2	73.0	73.1	73.0	73.1	73.3	73.3	73.9	74.0	74.4	74.8	74.8	75.2
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~46			-18~46	-10~46	-18~46															
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10.5	12.5	15	30	16	36	37	30	42	48	36	50	52	50	58	62	70	78	80	92	100
	Circuits	Quantity				1			2	1	2		1	2		1	2		1	2			2			
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9			114.3			
Unit	Starting current	Max		A		215	315	328	290	464	388	399	505	415	543	554	555	566	591	603	639	676	725	777	814	851
	Running current	Cooling	Nom.	A		56	67	78	110	108	122	135	128	145	158	168	171	184	193	209	235	260	299	335	361	388
		Max		A		75	87	100	149	134	160	172	175	187	212	223	224	235	260	272	309	345	394	447	483	520
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled scroll chiller, high efficiency, reduced sound

Single V



EWAT-B-XS/XL/XR Modular V

Microtech III

Cooling Only					EWAT-B-XR	085	115	145	180	185	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C	Pdc		kW		81.68	108.36	135.38	167.75	165.77	187.07	207.97	223.94	238.24	264.17	284.03	283.97	301.05	327.53	345.32	393.29	437.99	500	569.48	618.9	656.69
	ηs,c			%		213.28	166.6	160.2	163.8	160.2	166.6		165	171.4	176.6	180.6	174.6	166.6	175	169.8	175.8	167.4	178.6	181.4	181	180.2
SEER						3.84	4.24	4.08	4.17	4.08	4.24		4.2	4.36	4.49	4.59	4.44	4.24	4.45	4.32	4.47	4.26	4.54	4.61	4.6	4.58
Cooling capacity	Nom.			kW		81.68	108.36	135.38	167.75	165.77	187.07	207.97	223.94	238.24	264.17	284.03	283.97	301.05	327.53	345.32	393.29	437.99	500	569.48	618.9	656.69
Power input	Cooling	Nom.		kW		30.9	39	47	59.1	70.5	69.8	80.7	79.2	86.4	92.2	104	103	114	121	130	146	163	188	207	224	242
Capacity control	Method					Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17
EER						2.64	2.78	2.88	2.84	2.35	2.68	2.58	2.83	2.76	2.87	2.71	2.76	2.63	2.7	2.66	2.68		2.66	2.74	2.76	2.71
ESEER						4.02	4.18	4.08	4.24	4.04	4.21	4.17	4.16	4.15	4.34	4.31	4.12	4.04	4.24	4.15		4.12	4.2	4.21	4.25	4.23
IPLV						4.74	5.1	4.76	5	4.78	5	5.05	4.82	4.93	5.09	5.15	5.02	4.72	5.05	4.9	4.86	4.82	4.91	5.07	4.99	
Dimensions	Unit	Height		mm		1,801		1,822	2,540	1,822	2,540															
		Width		mm		1,204			2,236	1,204	2,236															
		Depth		mm		2,660	3,180	3,780	2,326	3,780	2,326		3,226						4,126			5,025	5,874	6,774		
Weight	Unit			kg		744	837	961	1,732	1,072	1,763	1,790	1,977	2,054	2,192	2,212	2,220	2,247	2,590	2,627	2,811	3,237	3,458	3,873	4,248	4,396
	Operation weight			kg		752	846	968	1,743	1,088	1,773	1,801	1,997	2,066	2,209	2,234	2,241	2,277	2,614	2,655	2,848	3,268	3,497	3,916	4,290	4,432
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s		3.9	5.2	6.5	8	7.9	9	10	10.7	11.4	12.6	13.6		14.4	15.7	16.5	18.8	21	23.9	27.3	29.6	31.5
	Water pressure drop	Cooling	Nom.	kPa		27.8	34.2	28	36.3	38	44.2	37.7	44	48.2	35.6	55.1	40.6	45.1	71.4	57.9	49.5	60.2	52.5	66.5	62.6	69.7
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Scroll																				
	Quantity					2			4	2	4		2	4		3	4		3	4			5	6		
Fan	Type					Direct propeller																				
	Quantity					6	8	10	4	10	4		5	6					7	8	9	10	12	13	14	
	Air flow rate	Nom.		l/s		6,673	8,896	11,122	15,054	11,122	15,054		18,819	18,818	22,582				26,346	30,110	33,874	37,637	45,164	48,928	52,692	
	Speed			rpm		1,108			700	1,108	700															
Sound power level	Cooling	Nom.		dBA		77.9	81.9	84	84.2	86	84.5	84.8	86.2	85.8	86.6	87	86.7	86.9	87.7	87.6	88.3	88.9	89.3	90	90.4	90.7
Sound pressure level	Cooling	Nom.		dBA		60.2	63.9	65.6	65.3	67.7	65.5	65.8	66.7	66.3	67.1	67.5	67.2	67.4	67.8	67.7	68.3	68.5	68.9	69.2	69.3	69.6
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~46			-18~46	-10~46	-18~46															
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10.5	12.5	15	30	16	36	37	30	42	48	36	50	52	50	58	62	70	78	80	92	100
	Circuits	Quantity				1			2	1	2		1	2		1	2		1	2						
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9			114.3			
Unit	Starting current	Max		A		215	315	328	290	464	388	399	505	415	543	554	555	566	591	603	639	676	725	777	814	851
	Running current	Cooling	Nom.	A		60	71	83	113	118	128	143	134	151	164	177	179	194	204	221	250	276	319	352	381	410
		Max		A		75	87	100	149	134	160	172	175	187	212	223	224	235	260	272	309	345	394	447	483	520
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled mini inverter heat pump

- Top product in terms of energy efficiency and operation range
- All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
- Easy‚plug and play' installation
- Amongst the most quiet units in the market (63dBA - sound power)
- Single phase power supply and low starting currents make the unit ideal for residential applications
- Weight reduced with 20% compared with the previous models.
- Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.

EWYQ-BVP EKRUMCL1

Heating & Cooling				EWYQ-BVP	004	005	006	008
Cooling capacity	Nom.			kW	4.00 / 4.01	4.93 / 5.07	5.88 / 6.07	7.95 / 8.23
Heating capacity	Nom.			kW	4.11 / 3.96	4.99 / 4.99	6.14 / 6.12	8.08 / 8.44
	Max.			kW	5.1	6.0	-	
Power input	Cooling	Nom.		kW	1.27 / 0.840	1.61 / 1.12	1.87 / 1.13	2.57 / 1.65
	Heating	Nom.		kW	1.19 / 0.860	1.46 / 1.09	1.75 / 1.28	2.31 / 1.84
Capacity control	Method				Variable (inverter)			
EER					3.14 / 4.80	3.06 / 4.51	3.15 / 5.35	3.10 / 4.99
COP					3.44 / 4.61	3.41 / 4.58	3.51 / 4.77	3.49 / 4.59
ESEER					4.45	4.49	5.25	5.24
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	155	159	158	165
			SCOP		3.90	4.03		4.21
			Seasonal space heating eff. class		A++			
Dimensions	Unit	HeightxWidthxDepth		mm	735x1,090x350		997x1,160x380	
Weight	Unit			kg	83		106	
Water heat exchanger	Type				Brazed plate			
	Water flow rate	Cooling	Nom.	l/min	11.5 / 11.5	14.1 / 14.5	16.9 / 17.4	22.8 / 23.6
		Heating	Nom.	l/min	11.8 / 11.4	14.3 / 14.3	17.6 / 17.5	23.2 / 24.2
	Water volume			l	1		2	
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins	
Compressor	Type				Hermetically sealed swing compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	53		72	
		Heating	Nom.	m^3/min	47.0		46.6	49.3
Sound power level	Cooling	Nom.		dBA	63.0	64.0	69.0	
	Heating	Nom.		dBA	65.0			
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	52.0	53.0
	Heating	Nom.		dBA	49.0		47.0	
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43		10~46	
		Heating	Min.~Max.	°CDB	-20~25		-15~25	
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	15 ~55			
Refrigerant	Type/GWP				R-410A/2,088		R-410A/2,087.5	
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	2.10		2.70	
	Per circuit			TCO2Eq	4.4		5.6	
Water circuit	Piping connections diameter			inch	1" MBSP			
Unit	Starting current	Max		A	15.7		19.9	
	Running current	Max		A	15.7		19.9	
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/230			

Air cooled mini inverter heat pump

- Inverter technology to ensure low sound values and leader-of-class ESEER
- Wide operating range
- Built-in hydronic module: no buffer tank required and a standard pump and main switch are included
- Easy‚plug and play' installation
- Single phase power supply for residential applications, three phase power supply model available for light commercial applications

EWYQ-ACV3/ACW1

Digital controller

Heating & Cooling				EWYQ	009ACV3	010ACV3	011ACV3	009ACW1	011ACW1	013ACW1
Cooling capacity	Nom.			kW	12.2 (1)/ 8.60 (2)	13.6 (1)/ 9.60 (2)	15.7 (1)/ 11.1 (2)	12.9 (1)/ 9.10 (2)	15.7 (1)/ 11.1 (2)	17.0 (1)/ 13.3 (2)
Heating capacity	Nom.			kW	10.2 (1)/ 9.90 (2)	11.7 (1)/ 11.4 (2)	13.8 (1)/ 12.9 (2)	11.20 (1)/ 10.90 (2)	13.2 (1)/ 12.4 (2)	14.8 (1)/ 13.9 (2)
Power input	Cooling	Nom.		kW	2.85 (1)/ 2.83 (2)	3.41 (1)/ 3.28 (2)	4.13 (1)/ 3.90 (2)	3.08 (1)/ 3.05 (2)	4.13 (1)/ 3.90 (2)	5.52 (1)/ 5.18 (2)
	Heating	Nom.		kW	2.43 (1)/ 2.99 (2)	2.81 (1)/ 3.46 (2)	3.20 (1)/ 3.94 (2)	2.69 (1)/ 3.31 (2)	3.07 (1)/ 3.78 (2)	3.47 (1)/ 4.27 (2)
Capacity control	Method				Inverter controlled					
EER					4.27 (1)/ 3.05 (2)	4.00 (1)/ 2.93 (2)	3.79 (1)/ 2.85 (2)	4.19 (1)/ 2.99 (2)	3.79 (1)/ 2.85 (2)	3.08 (1)/ 2.57 (2)
ESEER					4.31	4.30	4.33	4.43	4.44	4.36
COP					4.19 (1)/ 3.30 (2)	4.17 / (1) 3.29 (2)	4.30 (1)/ 3.27 (2)	4.17 (1)/ 3.28 (2)	4.31 (1)/ 3.27 (2)	4.28 (1)/ 3.25 (2)
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	126	131	134	126	134	130
			SCOP		3.22	3.34	3.41	3.22	3.41	3.30
			Seasonal space heating eff. class		A+					
Dimensions	Unit	Height		mm	1,435					
		Width		mm	1,420					
		Depth		mm	382					
Weight	Unit			kg	180					
Water heat exchanger	Type				Brazed plate					
	Quantity				1					
	Water flow rate	Heating	Nom.	l/min	28.3	32.6	36.9	31.2	35.5	39.8
	Water volume			l	1.01					
Air heat exchanger	Type				Hi-XSS					
Pump Standard	Nominal ESP	Cooling		kPa	60.5	57.8	53.2	59.2	53.2	40.9 / 45.6
	unit	Heating		kPa	57.1	52.5	47.3	54.1	49.1	36.6 / 43.5
Hydraulic components	Expansion vessel	Volume		l	10					
Compressor	Type				Hermetically sealed scroll compressor					
	Quantity				1					
Fan	Type				Propeller fan					
	Quantity				2					
	Air flow rate	Cooling	Nom.	m^3/min	96.0	100	97.0	-		
		Heating	Nom.	m^3/min		90.0		-		
Fan motor	Speed	Cooling	Nom.	rpm	780					
		Heating	Nom.	rpm	760					
		Steps			8					
Sound power level	Cooling	Nom.		dBA		64.0		64.0		66.0
	Heating	Nom.		dBA	60.0	64.0	60.0	60.0		
Sound pressure level	Cooling	Nom.		dBA	50.0					
	Heating	Nom.		dBA	50.0					
	Night quiet mode	Cooling		dBA		45.0		45.0		46.0
		Heating		dBA		42.0		42.0		43.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~46					
		Heating	Min.~Max.	°CDB	-15~35					
	Water side	Cooling	Min.~Max.	°CDB	5~20					
		Heating	Min.~Max.	°CDB	30~50					
Refrigerant	Type/GWP				R-410A / 2,087.5					
	Circuits	Quantity			1					
	Control				Electronic expansion valve					
Refrigerant charge	Per circuit			kg	2.95					
				TCO_2eq	6.16					
Water circuit	Piping			inch	5/4"					
	Piping connections diameter			inch	G 5/4" (female)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			3N~/50/400		

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C) (2) Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request

EWYQ-CWN BRC21A52

Heating & Cooling				EWYQ-CWN	016	021	025	032	040	050	064
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency) %		147	148	138	135	149	139	135
			SCOP		3.75	3.78	3.53	3.45	3.80	3.55	3.45
			Seasonal space heating eff. class		A+	A++			A+		
Cooling capacity	Nom.			kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
Heating capacity	Nom.			kW	16.8	21.0	25.1	31.4	41.9	50.3	62.9
Power input	Cooling	Nom.		kW	5.93	7.61	9.60	12.9	15.1	19.2	25.7
	Heating	Nom.		kW	5.60	6.89	8.74	10.8	13.7	17.5	21.6
Capacity control	Method				Inverter controlled						
	Minimum capacity			%	25						
EER					2.84	2.77	2.63	2.45	2.79	2.63	2.46
ESEER					4.37	4.26	4.17	3.87	4.28	4.18	3.87
COP					3.00	3.05	2.87	2.91	3.06	2.87	2.91
Dimensions	Unit	Height		mm	1,684						
		Width		mm	1,370			1,680	2,360		2,980
		Depth		mm	774				780		
Weight	Unit			kg	268	321		403	579		741
Water heat exchanger	Type				Brazed plate						
	Water volume			l	3			5	6		9
	Water pressure drop	Cooling	Total	kPa	8	10	14	8	10	14	8
Air heat exchanger	Type				Air cooled coil						
Compressor	Type				Hermetically sealed scroll compressor						
	Quantity				1	2		3	4		6
Fan	Type				Axial						
	Quantity				1				2		4
	Air flow rate	Cooling	Nom.	m^3/min	171	185		233	370		466
		Heating	Nom.	m^3/min	171	185		233	370		466
Sound power level	Cooling	Nom.		dBA	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	-5~43						
		Heating	Min.~Max.	°CDB	-15~35						
	Water side	Cooling	Min.~Max.	°CDB	-10~20						
		Heating	Min.~Max.	°CDB	25~50						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Control				Electronic expansion valve						
	Circuits	Quantity			1				2		
Refrigerant charge	Per circuit			kg	7.60			9.60	7.60		9.60
	Per circuit			TCO2Eq	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter			inch	1-1/4" (female)				2" (female)		
	Piping			inch	1-1/4"				1-1/2"		
Unit	Starting current	Max		A	0.0	77.7	78.7	88.7	99.8	101.9	120.7
	Running current	Max		A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400						

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- EWYQ-CWP: Version with standard pump
- EWYQ-CWH: Version with optional high static pump

EWYQ-CWP/CWH

BRC21A52

Heating & Cooling				EWYQ	016CWP	021CWP	025CWP	032CWP	040CWP	050CWP	064CWP	016CWH	021CWH	025CWH	032CWH	040CWH	050CWH	064CWH
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	144	154	139	138	149	139	138		150	135	136	144	133	135
			SCOP		3.68	3.93	3.55	3.53	3.80	3.55	3.53		3.83	3.45	3.48	3.68	3.40	3.45
			Seasonal space heating eff. class		A+	A++	A+						A++	A+				
Cooling capacity	Nom.			kW	17.0	21.2	25.5	31.8	42.3	50.7	63.3	17.0	21.2	25.5	31.8	42.3	50.7	63.3
Heating capacity	Nom.			kW	16.6	20.8	24.9	31.2	41.7	50.1	62.7	16.6	20.8	24.9	31.2	41.7	50.1	62.7
Power input	Cooling	Nom.		kW	5.81	7.47	9.45	12.7	15.1	19.0	25.5	5.81	7.47	9.45	12.7	15.1	19.0	25.5
	Heating	Nom.		kW	5.49	6.76	8.58	10.6	13.7	17.4	21.4	5.49	6.76	8.58	10.6	13.7	17.4	21.4
Capacity control	Method				Inverter controlled													
	Minimum capacity			%	25													
EER					2.93	2.84	2.70	2.50	2.80	2.67	2.48	2.93	2.84	2.70	2.50	2.80	2.67	2.48
ESEER					4.85	4.70	4.57	4.10	4.40	4.36	4.05	4.69	4.58	4.47	4.06	4.27	4.26	3.98
COP					3.02	3.07	2.91	2.93	3.03	2.88	2.93	3.02	3.07	2.91	2.93	3.03	2.88	2.93
Dimensions	Unit	Height		mm	1,684													
		Width		mm	1,370			1,680	2,360		2,980	1,370			1,680	2,360		2,980
		Depth		mm	774				780			774				780		
Weight	Unit			kg	280	332		414	604		765	283	336		417	612		774
Water heat exchanger	Type				Brazed plate													
	Water volume			l	3			5	6		9	3			5	6		9
	Water pressure drop	Cooling	Total	kPa	8	10	14	8	10	14	8		10	14	8	10	14	8
Air heat exchanger	Type				Air cooled coil													
Compressor	Type				Hermetically sealed scroll compressor													
	Quantity				1	2		3	4		6	1	2		3	4		6
Fan	Type				Axial													
	Quantity				1			2			4	1			2			4
	Air flow rate	Cooling	Nom.	m^3/min	171	185		233	370		466	171	185		233	370		466
		Heating	Nom.	m^3/min	171	185		233	370		466	171	185		233	370		466
Sound power level	Cooling	Nom.		dBA	78.0			80.0	81.0		83.0	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	-5~43													
		Heating	Min.~Max.	°CDB	-15~35													
	Water side	Cooling	Min.~Max.	°CDB	-10~20													
		Heating	Min.~Max.	°CDB	25~50													
Refrigerant	Type/GWP				R-410A/2,087.5													
	Control				Electronic expansion valve													
	Circuits	Quantity			1				2			1				2		
Refrigerant charge	Per circuit			kg	7.60			9.60	7.60		9.60	7.60			9.60	7.60		9.60
	Per circuit			TCO2Eq	15.9			20.0	15.9		20.0	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter			inch	1-1/4" (female)				2" (female)			1-1/4" (female)				2" (female)		
	Piping			inch	1-1/4"				1-1/2"			1-1/4"				1-1/2"		
Unit	Starting current	Max		A	0.0	77.7	78.7	88.7	99.8	101.9	120.7	0.0	79.9	81.7	91.7	103.7	106.3	125.1
	Running current	Max		A	22.2	25.3	26.4	35.2	47.4	49.6	67.2	24.4	27.5	29.4	38.2	51.3	54.0	71.6
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400													

Air cooled scroll inverter heat pump, split version

- Hydronic module for indoor installation eliminating the need for glycol
- Ideal for colder climates as the lack of glycol will allow for high efficiencies
- Compact dimensions and limited pipework allow for installation in very restricted spaces
- Easy transportation as separate units will fit in an elevator

SEHVX-BW SERHQ-BW1 BRC21A53/54 (Optional)

Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21.2 (1)	31.8 (1)	42.3 (1)	63.3 (1)
Heating capacity	Nom.			kW	20.8 (2)	31.2 (2)	41.7 (2)	62.7 (2)
Power input	Cooling	Nom.		kW	7.47 (1)	12.7 (1)	15.1 (1)	25.5 (1)
	Heating	Nom.		kW	6.76 (2)	10.6 (2)	13.7 (2)	21.4 (2)
EER					2.84	2.5	2.8	2.48
COP					3.07	2.93	3.03	2.93
Space heating	Average climate water outlet 35°C	General	SCOP		3.93	3.53	3.80	3.53
			ηs (Seasonal space heating efficiency)	%	154	138	149	138
			Seasonal space heating eff. class		A++	A+		

Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height		mm	1,573			
		Width		mm	766			
		Depth		mm	396			
Weight	Unit			kg	97.0	105	137	153
	Packed unit			kg	109	117	149	165
Water side Heat exchanger	Type				Brazed plate			
	Water volume			l	3	5	6	9
	Water flow rate	Cooling	Nom.	l/min	60 (3)	90 (3)	120 (3)	181 (3)
		Heating	Nom.	l/min	60 (2)	90 (2)	120 (2)	181 (2)
Sound power level	Nom.			dBA	63.0		66.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~43			
		Water side	Min.~Max.	°CDB	5 (4)~20			
	Heating	Ambient	Min.~Max.	°CDB	-15~35			
		Water side	Min.~Max.	°CDB	25~50			
Refrigerant	Type / GWP				R-410A / 2,087.5			
	Circuits	Quantity			1		2	
	Control				Electronic expansion valve			
Water circuit	Piping connections diameter			inch	1-1/4" (female)		2" (female)	
	Piping			inch	1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.	kPa	17 (7)	24 (7)	19 (7)	29 (7)
	Total water volume			l	4.2 (8)	5.8 (8)	7.9 (8)	11.0 (8)
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400			

Outdoor Unit					SERHQ020BAW1	SERHQ032BAW1
Dimensions	Unit	Height		mm	1,680	
		Width		mm	765	
		Depth		mm	930	1,240
Weight	Unit			kg	240	316
	Packed unit			kg	273	356
Compressor	Quantity				2	3
	Type				Hermetically sealed scroll compressor	
Fan	Type				Axial	
	Quantity				1	2
	Air flow rate	Cooling	Nom.	m^3/min	185	233
		Heating	Nom.	m^3/min	185	233

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition: Ta 35°C - LWE 7°C (DT = 5°C) (4) Water can be used above 5°C. Between 0°C and 5°C a 30% glycol solution (propylene or ethylene) has to be used. Between 0°C and -10°C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel

Air cooled multi-scroll heat pump, high efficiency, standard sound

› Single refrigerant circuit (2 scroll compressors) with single evaporator
› Compact design
› Partial and total heat recovery option available
› Stainless steel plate heat exchanger
› MicroTech III controller with superior control logic and easy interface

Heating & Cooling				EWYQ-G-XS	075	085	100	110	120	140	160
Cooling capacity	Nom.			kW	77.8	88.1	101	117	127	147	165
Heating capacity	Nom.			kW	82.2	91.2	110	127	138	156	170
Power input	Cooling	Nom.		kW	27.0	31.5	36.0	39.5	44.7	50.2	57.8
	Heating	Nom.		kW	26	29	34	39	43	50	54
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.88	2.80	2.81	2.97	2.84	2.92	2.85
COP					3.14	3.12	3.24	3.25	3.20	3.11	3.13
ESEER					3.90	3.94	3.97	4.03	3.92	3.96	
IPLV					4.40	4.47	4.40	4.49	4.40	4.50	
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	131	129	142	140	142	138	140
			SCOP		3.35	3.31	3.62	3.58	3.63	3.53	3.58
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,826			3,426		4,026	
Weight	Unit			kg	850	912	1,077	1,183	1,213	1,333	1,394
	Operation weight			kg	858	921	1,088	1,194	1,224	1,344	1,411
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.7	4.2	4.8	5.6	6.1	7.0	7.9
		Heating	Nom.	l/s	4.0	4.4	5.3	6.1	6.7	7.5	8.2
	Water pressure drop	Cooling	Nom.	kPa	8.40	8.30	8.70	11.6	13.7	18.2	19.9
		Heating	Nom.	kPa	9.50	9.10	11.20	14.40	17.20	21.70	22.50
	Water volume			l	8.10	9.40	10.8				16.7
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Compressor	Type				Scroll compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				6			8		10	
	Air flow rate	Nom.		l/s	10,042		9,861	13,148		16,435	
	Speed			rpm	1,360						
Sound power level	Cooling	Nom.		dBA	84.0	85.0	87.0	89.0			
Sound pressure level	Cooling	Nom.		dBA	66.0	68.0	70.0	71.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45						
		Heating	Min.~Max.	°CDB	-10~45						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	-10~15						
Refrigerant	Type / GWP				R-410A / 2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	15.0		18.0	23.0		30.0	
				TCO_2eq	31.3		37.6	48.0		62.6	
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	210	261	267	316	323	363	377
	Running current	Cooling	Nom.	A	52	56	60	69	76	88	95
		Max		A	66	72	78	87	95	111	125
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, reduced sound

EWYQ-G-XS/XR

MicroTech III

Heating & Cooling				EWYQ-G-XR	075	085	100	110	120	140	160
Cooling capacity	Nom.			kW	75.2	84.5	95.0	111	120	139	155
Heating capacity	Nom.			kW	82.2	91.2	110	127	138	156	170
Power input	Cooling	Nom.		kW	27.7	32.7	38.6	41.5	47.4	52.8	61.5
	Heating	Nom.		kW	26	29	34	39	43	50	54
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.71	2.59	2.46	2.68	2.52	2.64	2.51
COP					3.14	3.12	3.24	3.25	3.20	3.11	3.13
ESEER					3.85	3.90	3.79	3.92	3.76	3.86	3.79
IPLV					4.35	4.41	4.29	4.42	4.27	4.40	4.35
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	131	129	142	140	142	138	140
			SCOP		3.35	3.31	3.62	3.58	3.63	3.53	3.58
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,826			3,426		4,026	
Weight	Unit			kg	880	942	1,107	1,213	1,243	1,363	1,424
	Operation weight			kg	888	951	1,118	1,224	1,254	1,374	1,441
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.6	4.0	4.5	5.3	5.7	6.7	7.4
		Heating	Nom.	l/s	4.0	4.4	5.3	6.1	6.7	7.5	8.2
	Water pressure drop	Cooling	Nom.	kPa	7.90	7.70	7.60	10.5	12.1	16.4	17.5
		Heating	Nom.	kPa	9.50	9.10	11.2	14.4	17.2	21.7	22.5
	Water volume			l	8.10	9.40	10.8				16.7
Air heat exchanger	Type				High efficiency fin and tube type						
Compressor	Type				Scroll compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				6			8		10	-
	Air flow rate	Nom.		l/s	7,859		7,101	9,468		11,835	
	Speed			rpm	1,108						
Sound power level	Cooling	Nom.		dBA	80.0	82.0	84.0	86.0			
Sound pressure level	Cooling	Nom.		dBA	62.0	65.0	66.0	68.0		67.0	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45						
		Heating	Min.~Max.	°CDB	-17~20						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	25~50						
Refrigerant	Type / GWP				R-410A / 2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	17.0	17.7	23.5	29.4	28.3	32.0	34.9
				TCO_2eq	35.5	36.9	49.1	61.4	59.1	66.8	72.9
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	213	264	270	319	327	367	381
	Running current	Cooling	Nom.	A	54	60	65	71	80	90	103
		Max		A	70	75	81	91	99	116	131
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, standard/low sound

- Class A efficiency in heating mode
- Extended operation range: ambient temperatures from -10°C up to +46°C in cooling mode and down to -17°C in heating mode
- 2 truly independent refrigerant circuits
- Reduced footprint thanks to the V-shaped frame (EWYQ160-230F-XS/XL & EWYQ160-220F-XR)
- Reliable and efficient scroll compressors with high EER values
- Chiller series design entirely based on new European directives (EN14511, EN14825)
- Top serviceability level thanks to reduced weight, compact footprint and optimized components accessibility
- The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- Wide range of available options and accessories
- Inverter fans management for enhanced part load efficiencies
- Nordic kit option to improve the chiller working conditions in heating mode
- MicroTech III controller with superior control logic and easy interface

Heating & Cooling				**EWYQ-F-XS/XL**	**160**	**190**	**210**	**230**	**310**	**340**	**380**	**400**	**430**	**510**	**570**	**630**
Space cooling	A Condition 35°C Pdc			kW						-						624.4
	ηs,c			%						-						171.7
SEER										-						4.367
Cooling capacity	Nom.			kW	164	184	205	231	304	335	376	401	427	502	565	624
Heating capacity	Nom.			kW	173	197	227	254	329	362	404	429	463	535	607	674
Power input	Cooling	Nom.		kW	57.6	63.3	70.3	79.3	102	114	129	138	145	172	195	214
	Heating	Nom.		kW	54.0	61.6	70.5	79.2	101	113	126	133	140	167	190	210
Capacity control	Method									Step						Staged
	Minimum capacity			%						25.0					17.0	
EER					2.84	2.91		2.92	2.99	2.93	2.91	2.90	2.94	2.92	2.90	2.91
ESEER					3.73	3.89	3.81	3.71	4.07	4.19	3.99	3.96	4.14	4.20	3.98	4.06
COP						3.20	3.22	3.21	3.24		3.21	3.23	3.30	3.21	3.20	3.21
IPLV					4.45	4.47	4.55	4.38	4.56	4.61	4.38	4.50	4.70	4.71	4.56	4.74
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	128	134		129	143	147			-			
			SCOP		3.28	3.42	3.31	3.30	3.64	3.75			-			
Dimensions	Unit	Height		mm			2,270						2,220			
		Width		mm			1,200						2,258			
		Depth		mm		4,370		5,270		4,125			5,025		5,925	6,825
Weight (XS)	Unit			kg	1,430	1,850	2,300	2,350	2,900	2,910	2,920	3,730	3,750	4,250	4,280	4,670
	Operation weight			kg	1,470	1,890	2,340	2,390	2,980	2,990	3,000	3,840	3,850	4,370	4,400	4,780
Weight (XL)	Unit			kg	1,520	1,940	2,400	2,440	3,060	3,070	3,080	3,890	3,900	4,400	4,440	4,820
	Operation weight			kg	1,570	1,980	2,440	2,480	3,130	3,150	3,160	3,990	4,010	4,520	4,550	4,940
Water heat exchanger	Type									Plate heat exchanger						
	Water flow rate	Cooling	Nom.	l/s	7.8	8.8	9.8	11.1	14.6	16.0	18.0	19.2	20.4	24.0	27.1	29.9
		Heating	Nom.	l/s	8.3	9.5	10.9	12.2	15.9	17.5	19.5	20.7	22.3	25.8	29.3	32.5
	Water pressure drop	Cooling	Nom.	kPa	22	28	36	40	21	27	30	29	34	37	42	56
		Heating	Nom.	kPa	25	32	43	50	25	31	37	33	40	43	50	66
	Water volume			l			18			44		60			70	
Air heat exchanger	Type									High efficiency fin and tube type with integral subcooler						
Compressor	Type									Scroll compressor						
	Quantity									4					6	
Fan	Type									Direct propeller						
	Quantity					4		5		8		10		12		14
	Air flow rate	Nom.		l/s	22,577	21,593		26,992		43,187		55,213	53,983	64,780		75,577
	Speed			rpm						900						
Sound power level (XS)	Cooling	Nom.		dBA	92.0	94.0		95.0		97.0	98.0		99.0		100.0	
Sound power level (XL)	Cooling	Nom.		dBA	89.0	92.0		93.0		95.0		96.0		97.0		98.0
Sound pressure level (XS)	Cooling	Nom.		dBA	72.0	74.0	75.0	76.0		77.0	78.0		79.0			80.0
Sound pressure level (XL)	Cooling	Nom.		dBA	70.0		73.0	74.0		75.0		76.0		77.0		
Operation range	Air side	Cooling	Min.~Max.	°CDB						-10~46						
		Heating	Min.~Max.	°CDB						-17~20						
	Water side	Cooling	Min.~Max.	°CDB						-13~15						
		Heating	Min.~Max.	°CDB						25~50						
Refrigerant	Type / GWP									R-410A / 2,087.5						
	Circuits	Quantity								2						
Refrigerant charge	Per circuit			kg	16.0		20.0	24.0	35.0	36.0	35.0		46.0	55.0	52.5	68.0
				TCO_2eq	33.4		41.8	50.1	73.1	75.2	73.1		96.0	114.8	109.6	142.0
Piping connections	Evaporator water inlet/outlet (OD)						2.5"						3"			
Unit	Starting current	Max		A	282	536	353	560	600	516	637	659	666	648	787	827
	Running current	Cooling	Nom.	A	115	140	128	162	193	205	235	251	257	307	353	384
		Max		A	138	165	164	196	246	264	295	316	330	396	442	491
Power supply	Phase/Frequency/Voltage			Hz/V						3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, reduced sound

EWYQ-F-XS/XL/XR

MicroTech III

Heating & Cooling				EWYQ-F-XR	160	180	200	220	300	330	360	390	420	490	550	610
Space cooling	A Condition 35°C	Pdc		kW	-											606.1
	ηs,c			%	-											171.8
SEER					-											4.371
Cooling capacity	Nom.			kW	158	178	199	223	296	326	363	389	415	487	546	606
Heating capacity	Nom.			kW	173	197	227	254	329	362	404	429	463	535	607	674
Power input	Cooling	Nom.		kW	56.2	62.3	68.4	77.9	97.4	111	127	134	141	167	191	210
	Heating	Nom.		kW	54.0	61.6	70.5	79.2	101	113	126	133	140	167	190	210
Capacity control	Method				Step											Staged
	Minimum capacity			%	25.0									17.0		
EER					2.81	2.86	2.92	2.87	3.04	2.93	2.86	2.90	2.93	2.91	2.85	2.89
ESEER					4.33	4.39	4.38	4.19	4.63	4.68	4.37	4.44	4.60	4.83	4.50	4.62
COP					3.20		3.22	3.21	3.24	3.21		3.23	3.30	3.21	3.20	3.21
IPLV					5.11	5.18	5.22	4.96	5.25	5.35	4.97	5.08	5.25	5.54	5.13	5.36
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	128	134	129		143	147	-					
			SCOP		3.28	3.42	3.31	3.30	3.64	3.75	-					
Dimensions	Unit	Height		mm	2,270				2,220							
		Width		mm	1,200				2,258							
		Depth		mm	4,370		5,270		4,125			5,025		5,925		6,825
Weight	Unit			kg	1,520	1,940	2,400	2,440	3,060	3,070	3,080	3,890	3,900	4,400	4,440	4,820
	Operation weight			kg	1,570	1,980	2,440	2,480	3,130	3,150	3,160	3,990	4,010	4,520	4,550	4,940
Water heat exchanger	Type				Plate heat exchanger											
	Water flow rate	Cooling	Nom.	l/s	7.5	8.5	9.6	10.7	14.2	15.6	17.4	18.6	19.8	23.3	26.1	29.0
		Heating	Nom.	l/s	8.3	9.5	10.9	12.2	15.9	17.5	19.5	20.7	22.3	25.8	29.3	32.5
	Water pressure drop	Cooling	Nom.	kPa	20	26	34	38	20	25	28	27	32	35	39	53
		Heating	Nom.	kPa	25	32	43	50	25	31	37	33	40	43	50	66
	Water volume			l	18				44			60		70		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler											
Compressor	Type				Scroll compressor											
	Quantity				4									6		
Fan	Type				Direct propeller											
	Quantity				4		5		8			10		12		14
	Air flow rate	Nom.		l/s	17,380	16,564	20,706		33,129			42,431	41,411	49,693		57,975
	Speed			rpm	700											
Sound power level	Cooling	Nom.		dBA	83.0	84.0	86.0		88.0		89.0	90.0		92.0		
Sound pressure level	Cooling	Nom.		dBA	64.0	65.0	66.0	67.0	69.0			70.0		71.0		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~46											
		Heating	Min.~Max.	°CDB	-17~20											
	Water side	Cooling	Min.~Max.	°CDB	-13~15											
		Heating	Min.~Max.	°CDB	25~50											
Refrigerant	Type / GWP				R-410A / 2,087.5											
	Circuits	Quantity			2											
Refrigerant charge	Per circuit			kg	16.0	18.0	20.0	24.0	35.0	36.0	35.0	46.0		55.0		68.0
				TCO_2eq	33.4	37.6	41.8	50.1	73.1	75.2	73.1	96.0		114.8		142.0
Piping connections	Evaporator water inlet/outlet (OD)				2.5"				3"							
Unit	Starting current	Max		A	276	530	346	553	589	505	626	645	652	631	770	807
	Running current	Cooling	Nom.	A	114	138	126	160	187	201	232	245	252	301	350	379
		Max		A	133	160	157	189	235	253	283	302	316	379	425	471
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

Air cooled screw inverter heat pump, standard efficiency, standard sound

› Ideal solution for commercial comfort cooling and/or heating applications
› Optimum ESEER values
› 2-3 truly independent refrigerant circuits
› Low starting current
› DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
› Standard electronic expansion valve
› Optimised defrost cycles
› Partial and total heat recovery option available
› Power factor up to 0.95
› PID microprocessor control

Heating & Cooling				EWYD-BZSS	250	270	290	320	340	370	380	410	440	460	510	520	580
Cooling capacity	Nom.			kW	253	272	291	323	337	363	380	411	433	455	502	519	580
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	533	561	618
Power input	Cooling	Nom.		kW	91.3	101	110	117	125	135	144	154	165	163	182	189	218
	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	178	186	208
Capacity control	Method				Stepless												
	Minimum capacity			%	13.0									9.0			
EER					2.77	2.70	2.65	2.75	2.69	2.68	2.63	2.66	2.62	2.79	2.76	2.74	2.67
ESEER					3.93	3.92	3.89	3.95	3.89	3.90	3.82	3.91	3.89	4.18	4.01		3.93
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	2.99	3.01	2.97
IPLV					4.58	4.62		4.75	4.64	4.71	4.67	4.73	4.69	4.85	4.89	4.85	4.78
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	125						-						
			SCOP		3.21		3.20		3.21		-						
Dimensions	Unit	Height		mm	2,335									2,280			
		Width		mm	2,254												
		Depth		mm	3,547			4,428				5,329		6,659			
Weight	Unit			kg	3,410	3,455	3,500	3,870		3,940	4,010	4,390		5,015	5,495	5,735	
	Operation weight			kg	3,550	3,595	3,640	4,010		4,068	4,138	4,518		5,255	5,724	5,964	5,953
Water heat exchanger	Type				Single pass shell & tube												
	Water flow rate	Cooling	Nom.	l/s	12.1	13.0	13.9	15.5	16.2	17.4	18.2	19.7	20.8	21.8	24.1	24.9	27.8
		Heating	Nom.	l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	25.6	27.0	29.7
	Water pressure drop	Cooling	Nom.	kPa	40	46	44	50	55	60	65	74	80	47	85	91	61
		Heating	Nom.	kPa	30	35	52	37	40	45	51	59	64	42	63	69	59
	Water volume			l	138			133			128			240	229		218
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler												
Compressor	Type				Single screw compressor												
	Quantity				2									3			
Fan	Type				Direct propeller												
	Quantity				6			8				10		12			
	Air flow rate	Nom.		l/s	31,729	31,422	31,115	42,306		42,337	41,487	52,882		63,458	62,640	61,652	62,231
	Speed			rpm	900												
Sound power level	Cooling	Nom.		dBA	101.0							102.0		104.0			
Sound pressure level	Cooling	Nom.		dBA	82.0							83.0		84.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45												
		Heating	Min.~Max.	°CDB	-10~20												
	Water side	Cooling	Min.~Max.	°CDB	-8~15												
		Heating	Min.~Max.	°CDB	35~55												
Refrigerant	Type / GWP				R-134a / 1,430												
	Circuits	Quantity			2									3			
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0		46.5	47.0	50.0		47.0			49.0
				TCO_2eq	61.5	62.9	61.5	65.8		66.5	67.2	71.5		67.2			70.1
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm									219.1mm			
Unit	Starting current	Max		A	150			181		204		224	238	245	300	323	
	Running current	Cooling	Nom.	A	137	150	164	176	188	202	214	229	244	246	270	281	322
		Max		A	211		212	254		288		316	336	329	398	432	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Air cooled screw inverter heat pump, standard efficiency, low sound

EWYD-BZSS/SL MicroTech II

Heating & Cooling					EWYD-BZSL	250	270	290	320	330	360	370	400	430	450	490	510	570
Cooling capacity	Nom.			kW		247	265	290	315	330	353	370	401	423	446	490	507	565
Heating capacity	Nom.			kW		271	298	325	334	350	380	412	445	465	477	533	561	618
Power input	Cooling	Nom.		kW		89.5	99.5	110	115	123	134	144	151	163	158	177	186	216
	Heating	Nom.		kW		91.4	100	108	118	126	133	143	157	167	165	178	186	208
Capacity control	Method					Stepless												
	Minimum capacity			%		13.0									9.0			
EER						2.76	2.66	2.62	2.75	2.68	2.64	2.57	2.66	2.59	2.83	2.77	2.73	2.61
ESEER						4.06	4.04	4.03	4.17	4.09	4.04	4.01	4.06	4.02	4.18	4.16	4.10	3.98
COP						2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	2.99	3.01	2.97
IPLV						4.90	4.96	4.91	5.17	5.08	5.12	5.06	5.22	5.13	5.07	5.03	4.99	4.90
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%		125						-						
			SCOP			3.21		3.20		3.21		-						
Dimensions	Unit	Height		mm		2,335									2,280			
		Width		mm		2,254												
		Depth		mm		3,547			4,428				5,329		6,659			
Weight	Unit			kg		3,750	3,795	3,840	4,210		4,280	4,350	4,730		5,525	6,005	6,245	
	Operation weight			kg		3,888	3,933	3,978	4,343		4,408	4,478	4,858		5,765	6,234	6,474	6,463
Water heat exchanger	Type					Single pass shell & tube												
	Water flow rate	Cooling	Nom.	l/s		11.8	12.7	13.9	15.1	15.8	16.9	17.7	19.2	20.3	21.4	23.5	24.3	27.1
		Heating	Nom.	l/s		13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	25.6	27.0	29.7
	Water pressure drop	Cooling	Nom.	kPa		38	44	42	48	53	57	62	71	77	45	82	87	58
		Heating	Nom.	kPa		30	35	52	37	40	45	51	59	64	42	63	69	59
	Water volume			l		138			133		128				240	229		218
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler												
Compressor	Type					Single screw compressor												
	Quantity					2									3			
Fan	Type					Direct propeller												
	Quantity					6			8				10		12			
	Air flow rate	Cooling	Nom.	l/s		24,432	24,264	24,095	32,576		32,628	32,127	40,720		48,863	48,415	47,732	48,191
	Speed			rpm		700												
Sound power level	Cooling	Nom.		dBA		94.0			95.0						97.0			
Sound pressure level	Cooling	Nom.		dBA		76.0									77.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~45												
		Heating	Min.~Max.	°CDB		-10~20												
	Water side	Cooling	Min.~Max.	°CDB		-8~15												
		Heating	Min.~Max.	°CDB		35~55												
Refrigerant	Type / GWP					R-134a / 1,430												
	Circuits	Quantity				2									3			
Refrigerant charge	Per circuit			kg		43.0	44.0	43.0	46.0		46.5	47.0	50.0		47.0			49.0
				TCO_2eq		61.5	62.9	61.5	65.8		66.5	67.2	71.5		67.2			70.1
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm									219.1mm			
Unit	Starting current	Max		A		145		146	176		199		217	231	234	288	311	305
	Running current	Cooling	Nom.	A		134	148	163	171	184	199	212	224	240	238	263	275	319
		Max		A		202		203	243		277		302	322	313	381	415	406
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												

EWYD-4Z
Air to water
Multipurpose unit

4-pipe system solution with full inverter technology
For independent and simultaneous cooling and heating all year round

1

Top class efficiency

Total Energy Ratio up to 8.8

Full inverter technology: the best choice for every application

Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology

The inverter integrated in the compressor is refrigerant cooled:

› Safe and robust cooling system, totally independent from outdoor ambient conditions and air quality.
› Suitable even for aggressive installation such as industrial or desert application.

The volume ratio will change by moving the sliding valves. **VVR** changes the point at which the gas leaves the compressor, and therefore changes the pressures at discharge which will be optimal at any condition.

2

Easy part load calculation via the tool CSS WEB

Upon defining the design condition in the unit selection page it is possible to calculate the unit performances in every in-between condition with a different load

3

Best solution for simultaneous cooling and heating

Big multipurpose buildings, hotels, hospital are just a few examples of application for multipurpose units

Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWYD-4Z Multipurpose Unit

› Daikin EWYD-4Z Multipurpose Unit – Behind the scenes

Air to Water Multipurpose unit

- Best solution for independent and simultaneous cooling and heating all year round
- Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality

EWYD-4ZXSB2 MicroTech III

Multipurpose		EWYD-4ZXSB2		400	450	500	550	600	650	700	800
Air to water – cooling only (1)		Nominal Rated Capacity – Net	kW	402.4	438.4	502.8	523.4	602.4	653.7	702.9	785.7
		EER – Net		3.17	3.15	3.25	3.08	3.25	3.19	3.37	3.29
Air to water – heating only (2)		Nom. Rated Capacity – Net	kW	402.7	439.7	503.5	545.2	600.9	654.7	702.4	803.0
		COP – Net		3.33	3.41	3.45	3.44	3.45	3.38	3.55	3.54
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLNG – Net	kW	313.2	355.7	393.9	430.4	474.8	511.4	549	629.8
		Nom. Rated Capacity HEATING – Net	kW	402.4	454.6	503.4	549.4	603.4	652.9	703.7	803.4
		TER – Net		8.03	8.19	8.2	8.24	8.38	8.23	8.10	8.26
Dimensions		Height	mm	2465							
		Width	mm	2285							
		Length	mm	5825		6725		7625	8525		
Weight		Unit Weight	kg	6075	6095	6870	6870	7850	8435	9405	9430
		Operating Weight	kg	6540	6560	7560	7560	8935	9540	10785	10820
		Cold/Hot side water connections	mm	219.1							
Sound level		Sound Power – Cooling (4)	dB(A)	99	98	99		100		102	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	78	77		78		79	80	
Water heat exchangers	Cold Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (1)	l/s	19.3	21.0	24.1	25.1	28.8	31.3	33.6	37.6
		Water pressure drop (1)	kPa	42.0	50.8	40.1	47.8	48.0	34.2	40.7	37.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	9.1	9.1	13.4	13.4	14.6	19.5	20.8	26.1
		Water pressure drop (2)	kPa	19.4	21.146	24.3	26.334	29	31.6	33.9	38.7
Fan		Quantity	n	10		12		14	16		
		Nominal air flow (1)	l/s	56550		67860		79170	90480		
Compressor		Type		Single screw							
		Oil charge	l	28						38	
		Quantity	n.	2							
Refrigerant circuit		Refrigerant type		R134a							
		Refrigerant charge	kg	170	190	200		235	260	270	290
		Circuits	n.	2							
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400							

Fluid: Water; Fouling factor = 0

(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.

(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding. All the above data are referred to standard units without options and are subject to change without notice.

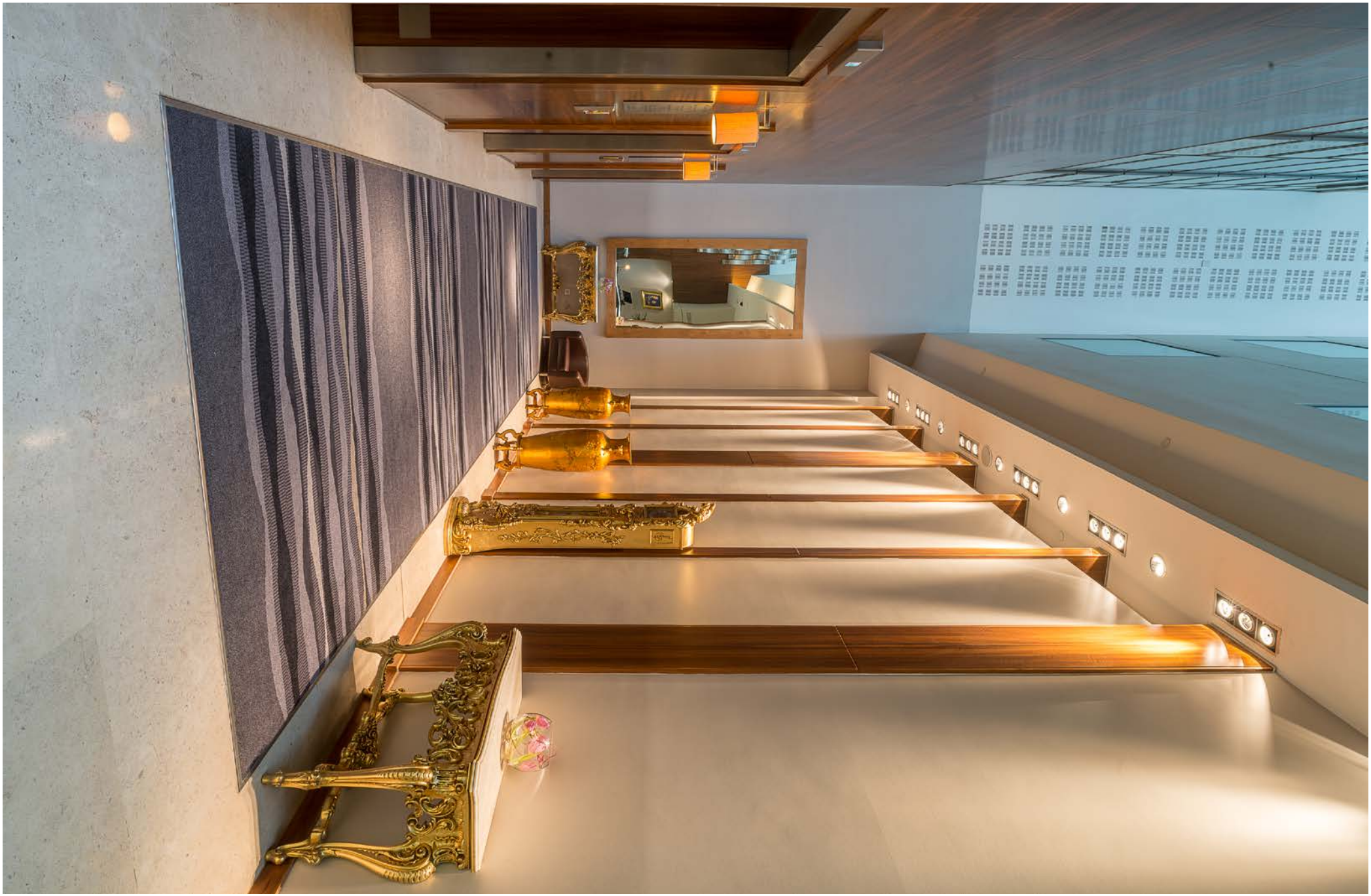
Air to Water Multipurpose unit

EWYD-4ZXL/XRB2

MicroTech III

Multipurpose		EWYD-4ZXRB2		400	450	500	550	600	650	700	800
Air to water – cooling only (1)		Nominal Rated Capacity – Net	kW	357.9	400.4	451.9	496.2	548.0	596.5	619.1	690.0
		EER – Net		3.05	3.06	3.12	3.06	3.11	3.07	3.19	3.08
Air to water – heating only (2)		Nom. Rated Capacity – Net	kW	358.3	398.7	452.2	493.4	550.7	601	620.9	690.8
		COP – Net		3.48	3.65	3.65	3.63	3.59	3.55	3.67	3.71
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLNG – Net	kW	279.6	312.7	354.7	387.6	435.2	473.1	486.1	543.8
		Nom. Rated Capacity HEATING – Net	kW	359.2	399.5	452.8	493.5	550.5	602.1	623.4	693.3
		TER – Net		8.03	8.20	8.23	8.32	8.55	8.33	8.08	8.27
Dimensions		Height	mm	2465							
		Width	mm	2285							
		Length	mm	5825		6725		7625	8525		
Weight		Unit Weight	kg	6240	6260	7035	7035	8015	8600	9690	9715
		Operating Weight	kg	6705	6725	7725	7725	9100	9705	11075	11110
		Cold/Hot side water connections	mm	219.1							
Sound level		Sound Power – Cooling (4)	dB(A)	87	86	87		88		90	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	66						68	69
Water heat exchangers	Cold Side	Water Volume	l	126		214		369	361	468	
		Water flow rate (1)	l/s	17.1	19.2	21.6	23.7	26.2	28.5	29.6	33.0
		Water pressure drop (1)	kPa	31.8	37.1	31.7	38.7	39	27	33.7	28.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	17.3	19.2	21.8	23.8	26.6	29.0	30.0	33.3
		Water pressure drop (2)	kPa	31.8	38.5	27.7	33.6	32	23.8	28.5	24.4
Fan		Quantity	n	10		12		14	16		
		Nominal air flow (1)	l/s	36110		43332		50554	57776		
Compressor		Type		Single screw							
		Oil charge	l	28						38	
		Quantity	n.	2							
Refrigerant circuit		Refrigerant type		R134a							
		Refrigerant charge	kg	170	190	200		235	260	270	290
		Circuits	n.	2							
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400							

Fluid: Water; Fouling factor = 0
(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.
(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.
(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.
(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.
(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.
All the above data are referred to standard units without options and are subject to change without notice.



Air cooled screw condensing unit, standard efficiency, standard sound

› One refrigerant circuit with single screw compressor
› Compact design
› Large operation range (ambient temperature down to -18°C)
› Extensive option list (heat recovery option available)

Cooling only				**ERAD-E-SS**	**120**	**140**	**170**	**200**	**220**	**250**	**310**	**370**	**440**	**490**
Cooling capacity	Nom.			kW	121	144	165	196	219	251	309	370	435	488
Power input	Cooling	Nom.		kW	42.1	51.2	57.7	65.6	74.2	77.0	93.8	123	148	161
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.88	2.82	2.86	2.99	2.95	3.27	3.30	3.02	2.95	3.02
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Depth		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,584		1,741		1,936		2,679			
	Operation weight			kg	1,617		1,781		1,981		2,756			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772		31,729	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	900									
Sound power level	Cooling	Nom.		dBA	92.0				93.0	94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA	74.0					75.0				76.0
Operation range	Saturated suction temp.			°C	-9~12									
	Condenser inlet temp.			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	72	88	98	110	125	129	158	204	244	266
	Maximum running current			A	86	103	119	132	157	164	198	242	284	298
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw condensing unit, standard efficiency, low sound

ERAD-E-SS/SL

MicroTech III

Cooling only				ERAD-E-SL	120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.			kW	116	137	159	187	209	243	298	352	409	462
Power input	Cooling	Nom.		kW	42.4	52.5	57.7	66.3	73.9	78.1	91.9	122	150	167
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.74	2.61	2.75	2.83		3.11	3.24	2.88	2.73	2.76
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Depth		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,684		1,841		2,036		2,789			
	Operation weight			kg	1,717		1,881		2,081		2,886			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	8,373	8,144	12,560	12,216	16,747	16,288	25,120		24,432	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	700									
Sound power level	Cooling	Nom.		dBA	89.0		90.0		91.0	92.0				93.0
Sound pressure level	Cooling	Nom.		dBA	71.0					73.0				74.0
Operation range	Saturated suction temp			°C	-9~12									
	Condenser inlet temp			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	73	90	98	112	125	131	155	204	249	275
	Maximum running current			A	83	100	115	128	151	158	189	234	276	290
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Water cooled scroll heat pump

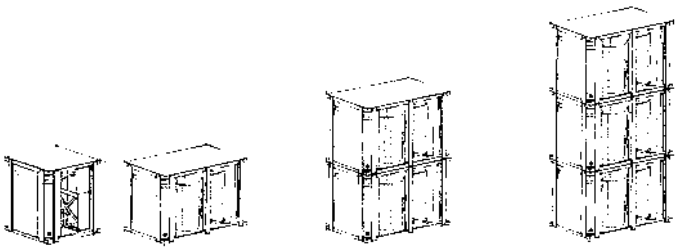
- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Low refrigerant volume
- Stainless steel plate heat exchanger
- Extension possible to 183kW
- Easy installation and maintenance
- Remote cooling or heating selection
- Water/water heat pump, with water reversibility
- Standard integrated: water filter, flow switch, air purge, pressure ports
- Advanced µC²SE controller for direct connection to a Modbus based BMS or to a remote user interface

EWWQ-KBW1N µC2SE

Cooling only/Heating only					EWWQ-KBW1N	014	025	033	049	064	098	113	128	147	162	177	192
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%		171	177	186	180	189				-			
			Seasonal space heating eff. class					A+++						-			
Cooling capacity	Nom.			kW		13.25	23.9	30.4	47.15	60.98	94	108	122	142	155	169	183
Power input	Cooling	Nom.		kW		3.15	5.72	7.3	11.42	14.58	22.7	25.8	28.9	33.9	37	40.1	43.2
Capacity control	Method							Fixed						-			
	Minimum capacity			%			100		50			25			16		
EER						4.209	4.177	4.164	4.127	4.182	4.17	4.19	4.22	4.18	4.2	4.22	4.24
ESEER						4.52	4.58	4.72	4.56	4.71	4.65	4.64	4.66	4.7	4.69	4.70	4.71
IPLV						5.13	5.27	5.41	5.36	5.47	5.36	5.42	5.47	5.36	5.4	5.44	5.47
Dimensions	Unit	Height		mm				600				1,200			1,800		
		Width		mm								600					
		Depth		mm			600						1,200				
Weight	Unit			kg		120	170	175	310	340	620	650	680	930	960	990	1,020
	Operation weight			kg		123	175	182	320	353	640	673	707	960	993	1,026	1,060
Water heat exchanger - evaporator	Type											Brazed plate					
	Water volume			l		1.23	1.93	2.68	4.5	5.93	9	10	12	14	15	16	18
	Water flow rate	Nom.		l/s		0.64	1.15	1.46	2.26	2.92	4.5	5.2	5.8	6.8	7.4	8.1	8.8
	Water pressure drop	Cooling	Nom.	kPa		19.6	28.5	25.7	24.3	25.3	24.3	25.2		24.3	25.2		
Water heat exchanger - condenser	Type											Brazed plate					
	Water volume			l		1.83	2.93	4.03	5.45	7.35	10.9	12.8	14.69	16.35	18.25	20.15	22.04
	Water flow rate	Nom.		l/s		0.78	1.41	1.83	2.78	3.61	5.57	6.39	7.21	8.35	9.17	10	10.8
	Water pressure drop	Cooling	Nom.	kPa		13.2	18.3	18.5	26.9	28.5	26.9	28.5		26.9	28.5		
Compressor	Type											Scroll compressor					
	Quantity						1		2			4			6		
Sound power level	Cooling	Nom.		dBA		64.0		71.0	67.0	74.0	71.0	75.0	77.0	73.0	77.0	78.0	79.0
Sound pressure level	Cooling	Nom.		dBA		50.0		57.0	53.0	60.0	55.70	59.70	61.70	56.9	60.9	61.9	62.9
Operation range	Evaporator	Cooling	Min.~Max.	°CDB								-10~20					
	Condenser	Cooling	Min.~Max.	°CDB								20~55					
Refrigerant	Type											R-410A					
	Charge			kg		1.2	2	3.1	4.6	5.6	9.4	10.2	11.2	13.8	14.8	15.8	16.8
	Circuits	Quantity					1		2			4			6		
Piping connections	Evaporator water inlet/outlet (OD)						G1"		G1" 1/2			2 x 2x G1" 1/2			3 x 3x G1" 1/2		
	Condenser water inlet/outlet (OD)						G1"		G1" 1/2			2 x 2x G1" 1/2			3 x 3x G1" 1/2		
Unit	Starting current	Max		A		61.8	101.9	137.9	117.55	158.63	148.86	189.93	200.09	180.16	221.24	231.39	241.54
	Running current	Cooling	Nom.	A		5.99	9.29	12.98	18.69	26.08	37.37	44.75	52.12	56.06	63.44	70.81	78.18
		Max		A		9.47	15.65	20.73	31.31	41.46	62.61	72.76	82.91	93.92	104.07	114.22	124.37
Power supply	Phase/Frequency/Voltage			Hz/V								3~/50/400					

Water cooled scroll chiller

Combination table



		Single Module					2 x Modules			3 x Modules			
Unit Index		**014**	**025**	**033**	**049**	**064**	**098**	**113**	**128**	**147**	**162**	**177**	**192**
Capacity (kW)		**13**	**24**	**31**	**49**	**64**	**98**	**113**	**128**	**147**	**162**	**177**	**192**
Unit + control factory mounted	EWWQ014KBW1N	1	-	-	-	-	-	-	-	-	-	-	-
	EWWQ025KBW1N	-	1	-	-	-	-	-	-	-	-	-	-
	EWWQ033KBW1N	-	-	1	-	-	-	-	-	-	-	-	-
	EWWQ049KBW1N	-	-	-	1	-	-	-	-	-	-	-	-
	EWWQ064kBW1N	-	-	-	-	1	-	-	-	-	-	-	-
Modular unit (controller available as accessory)	EWWQ049KAW1M	-	-	-	-	-	2	1	-	3	2	1	-
	EWWQ064KAW1M	-	-	-	-	-	-	1	2	-	1	2	3
Controller for modular unit	ECB2MUAW	-	-	-	-	-	1	1	1	-	-	-	-
	ECB3MUAW	-	-	-	-	-	-	-	-	1	1	1	1

Note 1: the above combination table is also valid for standard models with OPZL or OPZH.

Note 2: condenserless versions are only available as single modules only.

Water cooled multi-scroll chiller reversing on refrigerant side, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version with reversibility on refrigerant side available, ideal for geothermal applications
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser

EWHQ-G-SS Microtech III

- MicroTech III controller with superior control logic and easy interface

Heating & Cooling				EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Cooling capacity	Nom.			kW	87.3	100.0	111	127	141	160	181	208	232	291	352
Heating capacity	Nom.			kW	112	128	144	162	179	205	233	266	299	375	454
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
Power input	Cooling	Nom.		kW	22.4	25.3	28.5	32.0	35.6	41.1	46.0	53.3	59.1	73.7	88.4
	Heating	Nom.		kW	27.0	30.9	35.2	39.3	43.6	50.4	56.6	64.7	72.2	90.3	109
EER					3.90	3.95	3.91	3.96	3.95	3.90	3.93	3.90	3.92	3.95	3.98
COP					4.15	4.16	4.09	4.12	4.11	4.07	4.11	4.10	4.14	4.16	4.18
ESEER					4.70	4.84	4.65	4.86	4.80	4.89	4.86	4.83	4.79	4.90	4.83
IPLV					6.02	6.14	5.66	5.84	5.73	5.84	5.81	5.87	5.71	5.86	5.79
Dimensions	Unit	HeightxWidthxDepth		mm	1,066x928x2,432		1,066x928x2,264			1,066x928x2,432				1,186x928x2,432	
Weight	Unit			kg	519	608	728	770	808	838	880	930	941	1,090	1,203
	Operation weight			kg	558	654	782	830	873	908	995	1,019	1,031	1,202	1,334
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water flow rate	Cooling	Nom.	l/s	4.2	4.8	5.3	6.1	6.7	7.7	8.7	10.0	11.1	13.9	16.9
		Heating	Nom.	l/s	4.1	4.7	5.2	5.9	6.5	7.4	8.5	9.6	10.9	13.7	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	30	29	31	33	31	38	42	43
		Heating	Nom.	kPa	42		33	28	27	29	32	29	37	41	42
Water heat exchanger - condenser	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Cooling	Nom.	l/s	5.2	6.0	6.7	7.7	8.5	9.7	10.9	13.7	13.9	17.4	21.1
		Heating	Nom.	l/s	5.4	6.2	7.0	7.8	8.7	9.9	11.2	12.5	14.3	18.0	21.8
	Water pressure drop	Cooling	Nom.	kPa	69		55	49	48	51	54	32	39	66	69
		Heating	Nom.	kPa	73		59	51	50	53	57	33	42	70	73
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15										
		Heating	Min.~Max.	°CDB	-8~15										
	Condenser	Cooling	Min.~Max.	°CDB	25~55										
		Heating	Min.~Max.	°CDB	25~55										
Refrigerant	Type/GWP				R-410A/2,087.5										
	Circuits	Quantity			1										
Refrigerant charge				kg/TCO2Eq	9.0/18.8		10.0/20.9		13.0/27.1	11.0/23.0	13.0/27.1	15.0/31.3		19.0/39.7	
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A	43	46	50	56	63	71	78	88	97	123	148
		Max		A	59	66	72	80	88	102	116	131	145	183	221

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech III controller with superior control logic and easy interface

EWWQ-G-SS

MicroTech III

Cooling Only					EWWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Space cooling	A Condition 35°C	Pdc		kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
	ηs,c			%		209.08	215.32	233.52	227.68	233.04	233.36	220.32	235.56	231.84	236.64	211.36
SEER						5.427	5.583	6.038	5.892	6.026	6.034	5.708	6.089	5.996	6.116	5.484
Cooling capacity	Nom.			kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
Power input	Cooling	Nom.		kW		21.3	24	26.9	30.5	33.9	38.9	43.8	50.74	56.1	70.2	84
Capacity control	Method					Fixed										
	Minimum capacity			%		50	43	50	44	50	45	50	43	50	40	50
EER						4.399	4.4	4.424	4.456	4.425	4.424	4.425	4.349	4.387	4.477	4.41
ESEER						5.51	5.52	5.51	5.53	5.51	5.53			5.52		
IPLV						6.71	6.79	6.22	6.36	6.22	6.32	6.3	6.31	6.1	6.28	6.16
Dimensions	Unit	Height		mm		1,066									1,186	
		Width		mm		928										
		Depth		mm		2,432			2,264				2,432			
Weight	Unit			kg		516	606	728	762	795	832	871	921	934	1,083	1,181
	Operation weight			kg		554.9	652.4	781.6	821.4	859	901.4	945.9	1,009.6	1,023.2	1,194.7	1,311.1
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		4.5	5.07	5.7	6.51	7.18	8.24	9.28	10.57	11.79	15.06	17.74
	Water pressure drop	Cooling	Nom.	kPa		48.8	49	39.1	33	32.6	34.5	36.7	33.8	41.8	46.8	
Water heat exchanger - condenser	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		5.52	6.23	7.05	8.04	8.87	10.17	11.43	13.02	14.53	18.46	21.81
	Water pressure drop	Cooling	Nom.	kPa		72	73	60	50		52	56	46	57	69	71
Compressor	Type					Driven vapour compression										
	Quantity					2										
Sound power level	Cooling	Nom.		dBA		80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA		64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10~15										
		Heating	Min.~Max.	°CDB		-10~15										
	Condenser	Cooling	Min.~Max.	°CDB		25~55										
		Heating	Min.~Max.	°CDB		25~55										
Refrigerant	Type/GWP					R-410A/2,087.5										
	Charge			kg		10		11		12		15	16	17	19	20
	Circuits	Quantity				1										
Refrigerant charge				TCO2Eq		20.88		22.96		25.05		31.31	33.40	35.49	39.66	41.75
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A		204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A		42	45	48	54	61	68	76	86	95	118	143
		Max		A		59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										

Water cooled multi-scroll chiller, standard efficiency, standard sound

EWWQ-L-SS MicroTech III

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech III controller with superior control logic and easy interface

Cooling only/Heating only					EWWQ-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Space cooling	A Condition 35°C	Pdc			kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8	430.2	475.6	548.8	610.9	663	721
	ηs,c				%	211.72	222.72	232.76	230.32	236.76	233.32	224.84	239.12	230.6	235.92	236.2	228	228.4
SEER						5.493	5.768	6.019	5.958	6.119	6.033	5.821	6.178	5.965	6.098	6.105	5.9	5.91
Cooling capacity	Nom.				kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8	430.2	475.6	548.8	610.9	663	721
Power input	Cooling	Nom.			kW	41.7	47.3	53.1	60.2	67.1	77.1	87	97.9	109.5	123.5	139.7	153.8	166.9
Capacity control	Method					Fixed												
	Minimum capacity				%	25	21	25	22	25	23	25	21	25	22	20	18	25
EER						4.494	4.548	4.601	4.528	4.519	4.468	4.446	4.394	4.343	4.444	4.373	4.311	4.32
ESEER						5.54		5.52	5.53	5.54	5.53	5.54	5.52	5.51	5.55	5.51		5.52
IPLV						6.77	6.84	6.35	6.38	6.31	6.32	6.36	6.37	6.16	6.29	6.23	6.2	6.18
Dimensions	Unit	Height			mm	1,970									2,090	2,210		
		Width			mm	928												
		Depth			mm	2,801												
Weight	Unit				kg	877	1,062	1,285	1,347	1,439	1,498	1,559	1,673	1,722	1,842	1,926	2,105	2,229
	Operation weight				kg	957	1,156	1,401	1,469	1,575	1,641	1,723	1,851	1,918	2,044	2,145	2,346	2,405
Water heat exchanger - evaporator	Type					Plate heat exchanger												
	Water volume				l	35	41	53		65		76	92			115		
	Water flow rate	Nom.			l/s	8.97	10.29	11.69	13.04	14.5	16.48	18.51	20.58	22.77	26.29	29.26	31.77	34.57
	Water pressure drop	Cooling	Nom.		kPa	28	27.6	22.6	28	25.1	32.2	31.9	32.8	40.4	51.4	49.5	59.1	69.4
Water heat exchanger - condenser	Type					Plate heat exchanger												
	Water volume				l	19	22	29		35		41	49			62		
	Water flow rate	Nom.			l/s	11.02	12.66	14.4	16.12	17.9	20.38	22.8	25.4	28.08	32.3	36.02	39.16	42.66
	Water pressure drop	Cooling	Nom.		kPa	72	73	61	49	50	51	55	46	57	66	67	68	
Compressor	Type					Driven vapour compression												
	Quantity					4												
Sound power level	Cooling	Nom.			dBA	83.0	86.0	88.0	90.0	91.0		93.0	95.0			96.0		
Sound pressure level	Cooling	Nom.			dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10~15												
		Heating	Min.~Max.		°CDB	-10~15												
	Condenser	Cooling	Min.~Max.		°CDB	25~55												
		Heating	Min.~Max.		°CDB	25~55												
Refrigerant	Type/GWP					R-410A/2,087.5												
	Charge				kg	20		22		24		30	32	34		38	40	
	Circuits	Quantity				2												
Refrigerant charge					kg/TCO2Eq	10.0/20.9		11.0/23.0		12.0/25.1		15.0/31.3	16.0/33.4	17.0/35.5		19.0/39.7	20.0/41.8	
Piping connections	Evaporator water inlet/outlet (OD)					3"												
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"			
Unit	Starting current	Max			A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.		A	83	89	96	109	121	137	151	171	189	210	236	260	284
		Max			A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400												

Water cooled screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech III controller with superior control logic and easy interface

EWWD-J-SS

Microtech III

Cooling & Heating					EWWD-J-SS	120	140	150	180	210	250	280
Cooling capacity	Nom.				kW	120	146	154	177	207	255	284
Heating capacity	Nom.				kW	148	180	194	223	258	315	354
Capacity control	Method					Stepless						
	Minimum capacity				%	25.0						
Power input	Cooling	Nom.			kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0
	Heating	Nom.			kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0
EER						4.28	4.29	3.90	3.91	4.11	4.26	4.06
COP						5.28	5.29	4.90	4.91	5.11	5.26	5.06
ESEER						4.51		4.20		4.28	4.68	4.01
IPLV						5.18		5.06	5.05	5.16	5.70	4.88
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)		%	168	166	158		162	170	160
			SCOP			4.40	4.34	4.14	4.15	4.24	4.46	4.21
		A Condition (-7°CDB/-8°CWB)	COPd			0.90						
			PERd		%	144.7	176.0	190.2	218.3	252.8	309.1	347.8
			Pdh		kW	5.2		4.8		5.0	5.2	5.0
Dimensions	Unit	HeightxWidthxDepth			mm	1,020x913x2,684						
Weight	Unit				kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight				kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
Water heat exchanger - condenser	Water volume				l	20		23	25	29		32
Water heat exchanger - evaporator	Water flow rate	Nom.			l/s	5.7	7.0	7.4	8.5	9.9	12.2	13.6
	Water pressure drop	Cooling	Nom.		kPa	15	14	43	40	35	28	34
		Heating	Nom.		kPa	15	14	43	40	35	28	34
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume				l	20		23	25	29		32
	Water flow rate	Nom.			l/s	7.1	8.6	9.3	10.7	12.4	15.2	17.0
	Water pressure drop	Cooling	Nom.		kPa	19		12		11	16	26
		Heating	Nom.		kPa	19		12		11	16	26
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.			dBA	89.0						
Sound pressure level	Cooling	Nom.			dBA	79.0						
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10~15						
	Condenser	Cooling	Min.~Max.		°CDB	23~60						
Refrigerant	Type/GWP					R-134a/1,430						
	Circuits	Quantity				1						
Refrigerant charge					kg/TCO2Eq	18.0/25.7	35.0/50.1	34.0/48.6	37.0/52.9		38.0/54.3	
Piping connections					mm	76.2						
	Condenser water inlet/outlet (OD)					2" 1/2	4"					
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400						
Unit	Starting current	Max			A	151		195			288	
	Running current	Cooling	Nom.		A	48	57	67	74	83	97	109
		Max			A	76	97	107	122	143	167	189

The highest peak in chiller technology

The VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series.
Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

VZ at a glance

Single compressor

450 kW - 1,053 kW

Dual compressor & dual circuit unit

1,200 kW - 2,100 kW

of everything:
2 compressors,
2 expansion valves,
2 condensers,...

VZ CHILLER SERIES

Full inverter water cooled chiller

INVERTER

New condenser design with integral oil separator

High efficient flooded heat exchangers

Highest efficiency in the market in its category

TOP CLASS EFFICIENCY

Unique Daikin single screw compressor technology

UNIQUE SOLUTION

available in versions with R-134a and with HFO R-1234ze refrigerant

Why choose VZ chiller series?

1 **Top class efficiency: ESEER up to 8.5 – EER up to 5.8**
Thanks to:
› New generation Daikin inverter screw compressors
› New generation high efficiency heat exchangers
› Variable volume ratio technology
› Optimized refrigerant circuit design

2 **Compact unit : 40% footprint reduction**
Thanks to:
› New single pass condenser technology
› New integrated oil separator technology
› Optional knock down panel which reduces the unit width

3 **Application flexibility : widest operating envelope in its range**

4 **Connectivity : Daikin on site cloud platform**

5 **Future readiness: Choose for today's best solution and be ready for the future!**

Supporting tools

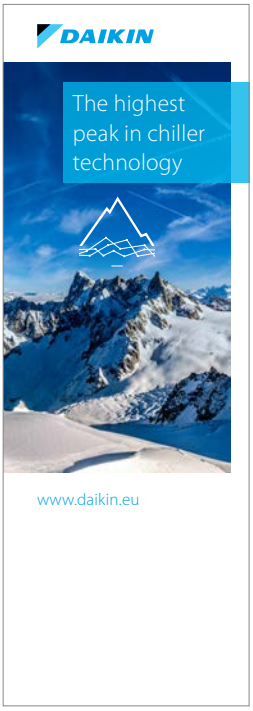
Product video

Check on

YouTube
www.youtube.com/DaikinEurope

Marketing material

All marketing material can be downloaded from the business portal.
Asset finder > Campaign > VZ chiller series



Product profile

Want to know more about this product?
Have a look at our website and download the product profile:

www.daikineurope.com/vzchillerseries

Water cooled screw inverter chiller, standard efficiency, standard sound

EWWD-VZSS Microtech III

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling only/Heating only					EWWD-VZSS	600	700	760	890	C10	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C) Pdc				kW	609.91	704.22	756.52	894.23	1,039.49	1,173.02	1,288.02	1,381.01	1,552.02	1,722.02	1,875.55	2,051.2
	ηs,c				%	340		337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
SEER						8.7		8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
Cooling capacity	Nom.				kW	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Power input	Cooling	Nom.			kW	110	132	142	162	196	231	252	276	315	339	380	404
Capacity control	Method					Variable											
	Minimum capacity				%	20					10						
EER						5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
ESEER						7.62	7.5	7.63	7.54	7.52	7.86	7.81	7.9	7.46	7.99	7.49	7.95
IPLV						9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
Dimensions	Unit	Height			mm	2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width			mm	1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth			mm	3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit				kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight				kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type					Flooded shell and tube											
	Water volume				l	88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.		l/s	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
	Water pressure drop	Cooling	Nom.		kPa	79	106	88	98	102	69	84	70	89	78	92	80
Water heat exchanger - condenser	Type					Shell and tube											
	Water volume				l	81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.		l/s	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
	Water pressure drop	Cooling	Nom.		kPa	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	Type					Driven vapour compressor											
	Quantity					1					2						
Sound power level	Cooling	Nom.			dBA	101.0	105.0			107.0	106.0		107.0		108.0		110.0
Sound pressure level	Cooling	Nom.			dBA	82.0	86.0			88.0	87.0		88.0		89.0		90.0
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-3~20											
	Condenser	Cooling	Min.~Max.		°CDB	16~63											
Refrigerant	Type/GWP					R-134a/1,430											
	Charge				kg	100	110		170	180	250	260	290		320		350
	Circuits	Quantity				1					2						
Piping connections					mm	139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)					168.3mm			219.1mm		168.3 / 168.3 mm				219.1 / 219.1 mm		
Unit	Starting current	Max			A	179	214	245	295	344	-						
	Running current	Cooling	Nom.		A	171	202	220	249	300	349	379	414	470	508	566	604
		Max			A	256	306	350	421	491	553	555	612	727	810	926	1,009
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400											

Water cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWD-VZXS Microtech III

Cooling only/Heating only					EWWD-VZXS	450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C) Pdc			kW		448.83	500.51	612.77	713.11	793.52	901.21	1,053.02	1,194.03	1,305.01	1,406.98	1,593.03	1,748.03	1,912.01	2,074.02
	ηs,c			%		324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
SEER						8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
Cooling capacity	Nom.			kW		449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Power input	Cooling	Nom.		kW		81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
Capacity control	Method					Variable													
	Minimum capacity			%		20							10						
EER						5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
ESEER						7.51	7.92	8.1	8.2	8.22	7.92	8.17	8.36	8.25	8.47	8.24	8.45	8.2	8.33
IPLV						9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
Dimensions	Unit	Height		mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width		mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth		mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit			kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight			kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type					Flooded shell and tube													
	Water volume			l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling	Nom.	l/s		21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
	Water pressure drop	Cooling	Nom.	kPa		89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat exchanger - condenser	Type					Shell and tube													
	Water volume			l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling	Nom.	l/s		26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
	Water pressure drop	Cooling	Nom.	kPa		31	28	22	20	24	25		28		21	32	27	37	28
Compressor	Type					Driven vapour compressor													
	Quantity					1							2						
Sound power level	Cooling	Nom.		dBA		97.0	99.0	101.0	105.0			107.0	106.0		107.0		108.0	109.0	110.0
Sound pressure level	Cooling	Nom.		dBA		78.0	80.0	82.0	86.0			88.0	87.0		88.0		89.0		90.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-3~20													
	Condenser	Cooling	Min.~Max.	°CDB		16~65													
Refrigerant	Type/GWP					R-134a/1,430													
	Charge			kg		95		100	110	170		180	250	260	290		320		350
	Circuits	Quantity				1							2						
Piping connections				mm		139.7			168.3			219.1						273	
	Condenser water inlet/outlet (OD)					168.3mm		219.1mm					168.3 / 219.1 mm	219.1 / 219.1 mm					
Unit	Starting current	Max		A		155	173	179	214	256	295	344	-						
	Running current	Cooling	Nom.	A		126	140	171	201	229	249	299	340	372	400	450	498	554	596
		Max		A		222	247	256	306	366	421	491	553	555	612	727	810	926	1,009
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400													

Water cooled screw inverter chiller, premium efficiency, standard sound

EWWD-VZPS Microtech III

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling only/Heating only					EWWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition (35°C) Pdc				kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.01
	ηs,c				%	339.6	355.2	344.4	353.6	354	350
SEER						8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.				kW	505	718	908	1,201	1,604	1,757
Power input	Cooling	Nom.			kW	85.1	124	153	218	291	326
Capacity control	Method					Variable					
	Minimum capacity				%	20			10		
EER						5.93	5.77	5.91	5.49	5.5	5.39
ESEER						8.15	8.48	8.25	8.66	8.53	8.71
IPLV						9.61	9.68	9.57	9.79	9.82	9.92
Dimensions	Unit	Height			mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width			mm	1,179	1,287	1,303	1,579	1,610	1,769
		Depth			mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit				kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight				kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type					Flooded shell and tube					
	Water volume				l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.		l/s	24.2	34.3	43.4	57.4	76.7	84
	Water pressure drop	Cooling	Nom.		kPa	55	42	44	38	49	41
Water heat exchanger - condenser	Type					Shell and tube					
	Water volume				l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.		l/s	29.4	41.3	52.1	69.9	93.4	102
	Water pressure drop	Cooling	Nom.		kPa	16	17	19	21		28
Compressor	Type					Driven vapour compressor					
	Quantity					1			2		
Sound power level	Cooling	Nom.			dBA	99.0	105.0		106.0	107.0	109.0
Sound pressure level	Cooling	Nom.			dBA	80.0	86.0		87.0	88.0	89.0
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-3~20					
	Condenser	Cooling	Min.~Max.		°CDB	16~65					
Refrigerant	Type/GWP					R-134a/1,430					
	Charge				kg	100	150	180	290	320	350
	Circuits	Quantity				1			2		
Piping connections					mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)					219.1mm			219.1 / 219.1 mm		
Unit	Starting current	Max			A	173	214	295	-		
	Running current	Cooling	Nom.		A	138	200	247	338	447	497
		Max			A	247	306	421	553	727	810
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400					

Water cooled screw inverter chiller, standard efficiency, standard sound

EWWH-VZSS MicroTech III

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				EWWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition (35°C)	Pdc	kW		443	512	548.51	657.51	767.8	865.2	940.6	1,011.7	1,142.46	1,271.38	1,396.11	1,524.83
		ηs,c	%		336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
SEER					8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
Cooling capacity	Nom.		kW		443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Power input	Cooling	Nom.	kW		82.8	98.1	107	123	149	172	188	205	235	254	282	302
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
ESEER					7.98	7.83	7.9	8.03	7.99	7.93	7.95	8.12	8	8.46	8	8.48
IPLV					9.25		9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
	Water pressure drop	Cooling	Nom.	kPa	46	61	52	59	64	39	46	39	50	44	53	45
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
	Water pressure drop	Cooling	Nom.	kPa	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	Type				Driven vapour compression											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101.0	105.0		107.0	106.0		107.0			108.0		110.0
Sound pressure level	Cooling	Nom.	dBA		82.0	86.0		88.0	87.0		88.0			89.0		90.0
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge		kg		100	110		170	180	250	260	290		320		350
	Circuits	Quantity			1					2						
Refrigerant circuit	Charge		kg		100	110		170	180	250	260	290		320		350
Piping connections			mm		139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm	168.3 / 168.3 mm					219.1 / 219.1 mm		
Unit	Running	Cooling	Nom.	A	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0
	current	Max		A	213.0	246.0	265.0	277.0	404.0	445.0	458.0	491.0	523.0	649.0	744.0	807.0
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400											

Water cooled screw inverter chiller, high efficiency, standard sound

EWWH-VZXS MicroTech III

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				EWWH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15
Space cooling	A Condition (35°C)	Pdc	kW		329.01	364.52	448	520.61	579.19	665.41	788.2	877.36	952.01	1,028.81	1,169.3	1,288.48	1,421.75	1,540.03
	ηs,c		%		296	307.2	343.6	347.2	343.2	356	354.4	326	334	346.8			358	356.8
SEER					7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55	8.87			9.15	9.12
Cooling capacity	Nom.		kW		329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Power input	Cooling	Nom.	kW		60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
Capacity control	Method				Variable													
	Minimum capacity		%		20							10						
EER					5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5.16	
ESEER					7.14	7.56	8.32		8.34	8.46	8.55	8.26		8.5	8.54	8.81	8.61	8.72
IPLV					8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
Dimensions	Unit	Height	mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width	mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth	mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit		kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight		kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume		l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling Nom.	l/s		15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
	Water pressure drop	Cooling Nom.	kPa		54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat exchanger - condenser	Water volume		l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling Nom.	l/s		18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
	Water pressure drop	Cooling Nom.	kPa		19	16	13	12	15	13	16			13	19	16	23	16
Compressor	Type				Driven vapour compression													
	Quantity				1							2						
Sound power level	Cooling	Nom.	dBA		97.0	99.0	101.0	105.0			107.0	106.0		107.0		108.0	109.0	110.0
Sound pressure level	Cooling	Nom.	dBA		78.0	80.0	82.0	86.0			88.0	87.0		88.0		89.0		90.0
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge		kg		95		100	110	170		180	250	260	290		320		350
	Circuits	Quantity			1							2						
Piping connections			mm		139.7			168.3			219.1						273	
	Condenser water inlet/outlet (OD)				168.3mm		219.1mm					168.3 / 219.1 mm		219.1 / 219.1 mm				
Unit	Running current	Cooling Nom.	A		96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0
		Max	A		178.0	199.0	213.0	246.0	275.0	277.0	404.0	445.0	458.0	491.0	523.0	649.0	744.0	807.0
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400													

Water cooled screw inverter chiller, premium efficiency, standard sound

EWWH-VZPS MicroTech III

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				**EWWH-VZPS**	**370**	**530**	**680**	**880**	**C12**	**C13**
Space cooling	A Condition (35°C) Pdc			kW	369.3	525.1	677.11	883.79	1,180.43	1,295.36
	ηs,c			%	316.8	352.8	363.6	334.4	352.4	348.8
SEER					8.12	9.02	9.29	8.56	9.01	8.92
Cooling capacity	Nom.			kW	369	525	677	884	1,180	1,295
Power input	Cooling	Nom.		kW	64.7	94.9	119	166	221	247
Capacity control	Method				Variable					
	Minimum capacity			%	20				10	
EER					5.71	5.53	5.67	5.34	5.35	5.25
ESEER					7.9	8.64	8.83	8.54	8.85	9
IPLV					9.13	9.68	9.96	9.37	9.56	9.61
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Depth		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	17.7	25.1	32.3	42.2	56.4	61.9
	Water pressure drop	Cooling	Nom.	kPa	32	25	27	20	26	23
Water heat exchanger - condenser	Type				Shell and tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	21.1	30.1	38.9	50.9	68	74.9
	Water pressure drop	Cooling	Nom.	kPa	9		12	13	12	16
Compressor	Type				Driven vapour compression					
	Quantity				1				2	
Sound power level	Cooling	Nom.		dBA	99.0	105.0		106.0	107.0	109.0
Sound pressure level	Cooling	Nom.		dBA	80.0	86.0		87.0	88.0	89.0
Refrigerant	Type/GWP				R-1234(ze)/7					
	Charge			kg	100	150	180	290	320	350
	Circuits	Quantity			1				2	
Refrigerant circuit	Charge			kg	100	150	180	290	320	350
Piping connections				mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)				219.1mm				219.1 / 219.1 mm	
Unit	Running current	Cooling	Nom.	A	104.0	150.0	185.0	257.0	338.0	378.0
		Max		A	199.0	246.0	277.0	445.0	523.0	649.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

Condenserless scroll chiller

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Low refrigerant volume
- Standard integrated: pressure ports, flow switch, filter, shut-off valves and air purge
- Advanced µC^{2}SE controller for direct connection to a Modbus based BMS or to a remote user interface

EWLQ-KBW1N

µC^{2}SE

Cooling Only				EWLQ-KBW1N	014	025	033	049	064
Cooling capacity	Nom.			kW	12.05	21.87	27.96	43.4	56.71
Power input	Cooling	Nom.		kW	3.54	6.42	8.26	12.74	16.2
EER					3.402	3.406	3.386	3.406	3.501
Dimensions	Unit	Height		mm	600				
		Width		mm	600				
		Depth		mm	600			1,200	
Weight	Unit			kg	104	138	149	252	274
Water heat exchanger - evaporator	Type				Brazed plate				
	Water pressure drop	Cooling	Nom.	kPa	16.5	24.2	22.1	20	22.2
Compressor	Type				Scroll compressor				
	Quantity				1			2	
Sound power level	Cooling	Nom.		dBA	64.0		71.0	67.0	74.0
		Nom.		dBA	64.0		71.0	67.0	74.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~20				
	Condenser	Cooling	Min.~Max.	°CDB	25~60				
Refrigerant	Type				R-410A				
	Circuits	Quantity			1			2	
Piping connections	Evaporator water inlet/outlet (OD)				G1"			G1" 1/2	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400				

Condenserless multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger

EWLQ-G-SS

Cooling only				EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Cooling capacity	Nom.			kW	86.5	98.4	110	125	139	160	181	206	231	290	346
Power input	Cooling	Nom.		kW	22.4	25.8	29.2	33.0	36.8	42.0	47.0	54.2	59.9	75.6	91.8
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
EER					3.86	3.81	3.78	3.79		3.80	3.86	3.80	3.85	3.84	3.77
Dimensions	Unit	Height		mm	1,066									1,186	
		Width		mm	928										
		Depth		mm	2,743										
Weight	Unit			kg	494	578	686	714	742	773	807	838	852	967	1,046
	Operation weight			kg	525	615	729	760	791	826	863	901	916	1,044	1,134
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s	4.2	4.7	5.3	6.0	6.7	7.7	8.7	9.8	11.1	13.9	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	29		31	33	30	38	41	
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15										
	Condenser	Cooling	Min.~Max.	°CDB	30~60										
Refrigerant	Type / GWP				R-410A / 2,087.5										
	Circuits	Quantity			1										
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481.0	640	677
	Running current	Cooling	Nom.	A	39	42	45	51	57	64	70	81	88	111	135
		Max		A	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

Condenserless multi-scroll chiller, standard efficiency, standard sound

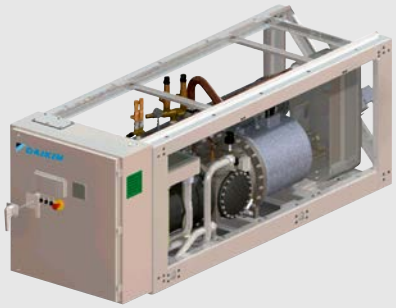
- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger

EWLQ-L-SS

Cooling only				EWLQ-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Cooling capacity	Nom.			kW	173	197	224	249	279	317	361	409	459	511	571	624	676
Power input	Cooling	Nom.		kW	44.3	51.1	57.9	65.6	73.2	83.8	93.5	108	119	135	152	168	184
Capacity control	Method				Step												
	Minimum capacity			%	25.0	21.0	25.0	22.0	25.0	23.0	25.0	21.0	25.0	22.0	20.0	18.0	25.0
EER					3.91	3.86	3.87	3.79	3.81	3.78	3.86	3.79	3.84	3.78	3.76	3.71	3.67
Dimensions	Unit	Height		mm	1,970									2,090	2,210		
		Width		mm	928												
		Depth		mm	2,801												
Weight	Unit			kg	832	1,007	1,202	1,252	1,333	1,380	1,432	1,511	1,560	1,609	1,694	1,833	1,957
	Operation weight			kg	894	1,081	1,292	1,345	1,436	1,486	1,547	1,638	1,690	1,741	1,844	1,990	2,120
Water heat exchanger - evaporator	Type				Plate heat exchanger												
	Water volume			l	19	22	29		35		41	49			62		
	Water flow rate	Nom.		l/s	8.3	9.5	10.7	11.9	13.4	15.2	17.3	19.6	21.9	24.5	27.3	29.9	32.4
	Water pressure drop	Cooling	Nom.	kPa	25		20	25	22	29			36	45	44	52	62
Compressor	Type				Scroll compressor												
	Quantity				4												
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0			93.0	95.0			96.0	
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15												
	Condenser	Cooling	Min.~Max.	°CDB	30~60												
Refrigerant	Type / GWP				R-410A / 2,087.5												
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				3"												
Unit	Starting current	Max		A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	A	78	84	90	102	114	128	141	161	176	199	223	246	269
		Max		A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Condenserless screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech III controller with superior control logic and easy interface



EWLD-J-SS

MicroTech III

Cooling only				EWLD-J-SS	110	130	145	165	235	195	265
Cooling capacity	Nom.			kW	110	128	142	163	236	191	264
Power input	Cooling	Nom.		kW	31.2	38.4	43.8	50.4	66.0	56.0	75.3
Capacity control	Method				Stepless						
	Minimum capacity			%	25.0						
EER					3.51	3.33	3.25	3.24	3.58	3.42	3.51
Dimensions	Unit	Height		mm	1,020						
		Width		mm	913						
		Depth		mm	2,684						
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,489	1,305	1,489
	Operation weight			kg	1,138	1,159	1,253	1,281	1,518	1,327	1,518
Water heat exchanger - evaporator	Type				Plate heat exchanger						
	Water volume			l	14	18	14	17	26	20	26
	Water flow rate	Nom.		l/s	5.2	6.1	6.8	7.8	11.3	9.2	12.6
	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	26	33	32
Compressor	Type				Single screw compressor						
	Quantity				1						
Sound power level	Cooling	Nom.		dBA	89.0						
Sound pressure level	Cooling	Nom.		dBA	79.0						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	25~60						
Refrigerant	Type / GWP				R-134a / 1,430						
	Circuits	Quantity			1						
Piping connections	Evaporator water inlet/outlet (OD)				76.2 mm						
Unit	Maximum starting current			A	151		195		288	195	288
	Nominal running current (RLA)	Cooling		A	52	62	72	81	107	91	120
	Maximum running current			A	76	97	107	122	167	143	189
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

Condenserless screw chiller, standard efficiency, standard sound

- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Stepless single-screw compressor
- Standard electronic expansion valve
- Optimised for use with R-134a

EWLD-I-SS MicroTech III

Cooling only				EWLD-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395
Capacity control	Method				Stepless																		
	Minimum capacity			%	25.0				12.5							8.3							
EER					3.93	3.89	3.88	3.79	3.80	3.82	3.86			3.81	3.69	3.64	3.83	3.79	3.80		3.74	3.68	3.63
Dimensions	Unit	Height		mm	1,899				2,325							2,415							
		Width		mm	1,464											2,135							
		Depth		mm	3,114				4,391							4,426							
Weight	Unit			kg	1,861		1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167		5,188	5,208			
	Operation weight			kg	2,054		2,052	2,056	3,602		3,603	3,604	3,605	3,645		5,667	5,671		5,677	5,680			
Water heat exchanger - evaporator	Type				Single pass shell and tube																		
	Water volume			l	193		183	172	271	263	256	248	241	233		504		489	472	504		489	472
	Water flow rate	Nom.		l/s	15.1	17.9	20.9	24.4	29.1	32.1	35.4	38.4	41.4	44.8	46.7	49.3	52.5	54.8	57.9	61.2	63.7	66.1	68.6
	Water pressure drop	Cooling	Total	kPa	34	46	49	56	50	40	52	49	40	49	36	54	47	51	43	53	57	61	65
Compressor	Type				Single screw compressor																		
	Quantity				1				2							3							
Sound power level	Cooling	Nom.		dBA	94.0		97.0				98.0	99.0	100.0					101.0		103.0			
Sound pressure level	Cooling	Nom.		dBA	75.0	76.0	78.0				79.0	80.0	81.0			80.0		81.0		83.0			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																		
	Condenser	Cooling	Min.~Max.	°CDB	25~60																		
Refrigerant	Type / GWP				R-134a / 1,430																		
	Circuits	Quantity			1				2							3							
Piping connections	Evaporator water inlet/outlet (OD)				42mm																		
Unit	Maximum starting current			A	330		464		493	627	650	681		703		836		867	898		920	942	
	Nominal running current (RLA)	Cooling		A	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571	601	631
	Maximum running current			A	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																		

Water cooled centrifugal chiller, high efficiency standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech III controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants

Cooling Only			EWWD-DZXS/XE	320	340	440	470	530	570	610	640	670	680	700	740	880	950	C10	C11	C14	C15
Space cooling	A Condition 35°C Pdc		kW	320.01	341.01	443.01	474.02	528	566	610.02	638.01	670	682	699.97	741.96	883.01	946	1,056	1,130	1,402	1,477.93
	ηs,c		%	334	335	314	316	324	326	344	349	345	349	342	346	350	352	363	365	362	366
SEER				8.56	8.57	8.05	8.09	8.29	8.34	8.81	8.92	8.82	8.93	8.75	8.86	8.95	9.00	9.27	9.32	9.26	9.35
Cooling capacity	Nom.		kW	320	341	443	474	528	566	610	638	670	682	700	742	883	946	1,056	1,130	1,402	1,478
Power input	Cooling	Nom.	kW	66.5	69.9	88.5	93.5	102	108	124.7	131	138.4	138	126	131	176	186	205	216	256	263
Capacity control	Method			Variable																	
	Minimum capacity		%	30	29	21	20	21	20	16	15			18	17	11	10	11	10	9	
EER				4.81	4.88	5	5.07	5.14	5.22	4.89	4.85	4.84	4.91	5.53	5.65	5.01	5.08	5.15	5.23	5.46	5.6
ESEER				7.94	7.81	7.92	7.83	8.2	8.11	7.78	8.16	7.52	8	8.08	8.09		7.96	8.39	8.26	8.29	8.22
IPLV				9.68	9.57	9.67	9.62	10		9.66	9.78	9.61	9.63	10.1	10.2	9.86	9.79	10.2	10.1	10.5	10.4
Dimensions	Unit	Height	mm	1,865						1,985								2,200			
		Width	mm	1,055						1,160								1,270			
		Depth	mm	3,625						3,585	3,625		3,585					3,580			
Weight	Unit		kg	1.700	1,750	1,900	1,950	2,000	2,050	2,850				2,600	2,650	2,900	3,000	3,600	3,700	3,800	3,900
	Operation weight		kg	1.973	2,033	2,216	2,276	2,347	2,407	3,197	3,344	3,197	3,354	3,102	3,162	3,458	3,568	4,292	4,412	4,579	4,699
Water heat exchanger - evaporator	Type			Flooded shell and tube																	
	Water volume		l	70		96		107			134	107	134			156		199		229	
	Water flow rate	Nom.	l/s	15.3	16.4	21.2	22.7	25.3	27.1	29.1	30.5	32	32.7	33.5	35.6	42.3	45.3	50.6	54.1	67.2	70.9
	Water pressure drop	Cooling Nom.	kPa	47.4	54.2	40.6	46.5	45	51.5	59.1	51	71.4	58.3	61.3	68.7	64	73.2	60.4	68.9	74	82
Water heat exchanger - condenser	Type			Shell and tube																	
	Water volume		l	83		100		120			170	120	170	188		211		263		320	
	Water flow rate	Nom.	l/s	18.3	19.6	25.3	27	30.1	32.1	35.1	36.7	38.6	39.1	39.4	41.6	50.5	53.9	60.1	64.1	79.1	83
	Water pressure drop	Cooling Nom.	kPa	49.2	56.4	59.5	68.4	54.5	62.4	74	46.2	90	52.9	41.6	46.7	50.9	58.3	50.3	57.6	52.9	58.5
Compressor	Type			Driven vapour compressor																	
	Quantity			1						2				1		2					
Sound power level	Cooling	Nom.	dBA	87.9		88.9		89.9		91.1	91.0	91.1	91.0	91.1		92.0		93.3		94.3	
Sound pressure level	Cooling	Nom.	dBA	69.6		70.6		71.6		72.6						73.6		74.6		75.6	
Operation range	Evaporator	Cooling Min.~Max.	°CDB	4~20																	
	Condenser	Cooling Min.~Max.	°CDB	20~55				20~42		20~55				20~42		20~55		20~42			
Refrigerant	Type/GWP			R-134a/1,430																	
	Charge		kg	120	130	120	130	120	130	120	180	120	200	180	190	180	200	230	250	230	250
	Circuits	Quantity		1																	
Refrigerant charge			TCO2Eq	172	186	172	186	172	186	172	257	172	286	257	272	257	286	329	358	329	358
Piping connections			mm	139.7							168.3	139.7	168.3					219.1			
			mm	139.7							168.3	139.7	168.3							219.1	
Unit	Running current	Cooling Nom.	A	100.55	105.42	138.22	144.7	155.23	162.48	203.41	200.56	212.9	210.15	190.23	196	274.86	287.44	309.17	323.53	383.87	392
		Max	A	134		208		166		267				196		417		331		392	
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400																	

Water cooled centrifugal chiller, high efficiency, standard sound

EWWH-DZXS/XE dual

EWWH-DZXS/XE

MicroTech III

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech III controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design

Cooling Only					EWWH-DZXS/XE	230	245	320	345	380	405	430	455	460	470	480	490	640	685	755	810	920	955
Space cooling	A Condition 35°	Pdc		kW		227.08	241.98	318.33	339.33	376.33	401.93	455.13	454.66	474.48	460.88	483.83	486.57	637.15	678.69	752.27	802.77	917.79	944.73
	ηs,c			%		330	331	346	350	346	350	342		339	335	345	344	352	356	354	358	353	356
SEER						8.46	8.48	8.84	8.95	8.84	8.94	8.74		8.67	8.58	8.83	8.81	8.99	9.11	9.04	9.16	9.03	9.1
Cooling capacity	Nom.			kW		227	242	318	339	376	402	610	638	700	670	742	682	637	679	752	803	918	945
Power input	Cooling	Nom.		kW		45.6	47.9	60.5	63.4	71.4	75.1	83.4	90.6	79.3	90.3	79.5	95.1	120.5	126.3	142.1	149.4	158.8	159.2
Capacity control	Method					Variable																	
	Minimum capacity			%		24		21	20		19	13	12	20	12	20	12	11	10		9	10	
EER						4.98	5.05	5.27	5.35	5.27	5.35	5.14	5.02	5.81	5.19	5.97	5.09	5.29	5.37	5.29	5.37	5.78	5.93
ESEER						7.78		7.97	8.02	7.98	8	7.89	8.06	7.76	7.75	7.83	8.04	8.26	8.22	8.3	8.27	8.16	8.23
IPLV						9.61	9.64	9.79	9.88	9.83	9.94	9.71	9.68	9.73	9.62	9.87	9.74	9.99	10.07	10.05	10.14	9.99	10.13
Dimensions	Unit	Height		mm		1,865						1,985								2,200			
		Width		mm		1,055						1,160								1,270			
		Depth		mm		3,625						3,585		3,625		3,585				3,580			
Weight	Unit			kg		1,700	1,750	1,900	1,950	2,000	2,050	2,850		2,600	2,850	2,650	2,850	2,900	3,000	3,600	3,700	3,800	3,900
	Operation weight			kg		1,973	2,033	2,216	2,276	2,347	2,407	3,197	3,344	3,102	3,197	3,162	3,354	3,458	3,568	4,292	4,412	4,579	4,699
Water heat exchanger - evaporator	Type					Flooded shell and tube																	
	Water volume			l		70		96		107			134	134	107	134		156		199		320	229
	Water flow rate	Cooling	Nom.	l/s		10.8	11.6	15.2	16.2	18	19.2	20.5	21.7	22	22.4	22.6	23.1	30.4	32.4	35.9	38.4	51.4	45.2
	Water pressure drop	Cooling	Nom.	kPa		28.2	29.7	24.6	28.4	26.8	28.4	31.7	27.8	28.6	37.8	30.8	32	35.9	41.3	33	38.1		36.9
Water heat exchanger - condenser	Type					Shell and tube																	
	Water volume			l		83		100		120			170	188	120	188	170	211		263		320	
	Water flow rate	Cooling	Nom.	l/s		13	13.9	18.1	19.2	21.4	22.8	24.5	26.1	25.8	26.7	26.4	27.7	36.2	38.5	42.7	45.5	51.4	52.8
	Water pressure drop	Cooling	Nom.	kPa		24	28	30	34	27	31	35	23	17	42	18	26	25	29	25	28	22	23
Compressor	Type					Driven vapour compressor																	
	Quantity					1						2		1	2	1	2						
Sound power level	Cooling	Nom.		dBA		87.9		88.9		89.9		91.1	91	91.1			91	92		93.3		94.3	
Sound pressure level	Cooling	Nom.		dBA		69.6		70.6		71.6		72.6						73.6		74.6		75.6	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		4~20																	
	Condenser	Cooling	Min.~Max.	°CDB		20~55			20~42			20~55		20~42	20~55	20~42		20~55		20~42			
Refrigerant	Type/GWP					R-1234(ze)/7																	
	Charge			kg		120	130	120	130	120	130	120	180		120	190	200	180	200	230	250	230	250
	Circuits	Quantity				1																	
Refrigerant charge				TCO2Eq		1														2			
Piping connections				mm		139.7							168.3		139.7	168.3				219.1			
				mm		139.7							168.3		139.7	168.3						219.1	
Unit	Running current	Cooling	Nom.	A		72	75	99	103	112	117	133	144	125	142	125	150	198	205	222	232	249	
		Max		A		95		150		123		190		142	190	142	190	300		246		284	
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Water cooled centrifugal chiller, high efficiency, standard sound

- Optional Variable Frequency Drive (VFD) to improve the part load efficiency
- High efficiency flooded type shell and tube evaporator and condensers
- Lower equipment, installation and annual operating costs than two single compressor chillers (DWDC)
- Main components can be removed or repaired without shutting down the unit as the chiller has two of everything (compressors, lubrication systems, control systems and starters) (DWDC)
- Unloading to 5% (DWSC) or 10% (DWDC) of full load provides improved stability of the chilled water temperature and less harmful cycling of compressors
- Single stage centrifugal compressor (DWSC)

DWSC-DWDC MicroTech II

Cooling only		DWDC/DWSC	DWDC	DWSC
Cooling capacity	Min.	kW	600	300
	Max.	kW	9,000	4,500
Compressor	Type		Single stage centrifugal compressor	
Refrigerant	Type / GWP		R-134a / 1,430	
	Charge	kg	700 - 1,400	300 - 1,000
		TCO_2Eq	1,001 - 2,002	429 - 1,430

* not Eurovent certified

Options - Chillers

Options - Small chillers

Chiller series	Integrated hydronics	LWE		Electrical
	Single pump	High Glycol	Low Glycol	Evaporator heater tape
	OPSP	OPZH	OPZL	OP10
EWAQ-BVP	STD			STD
EWYQ-BVP	STD			STD
EWAQ-ACV3	STD			STD
EWAQ-ACW1	STD			STD
EWYQ-ACV3	STD			STD
EWYQ-ACW1	STD			STD
EWWQ-KBW1N		Option	Option	
EWLQ-KBW1N		Option	Option	

(1) Impossible option combination: OPZH+OPZL

Options - Medium and large chillers (Part 1)

Description	Code	EWAQ-CW EWYQ-CW	EWAQ-G-	EWYQ-G-	EWYQ-F-XS EWYQ-F-XL	EWYQ-F-XR	EWAD-TZ B	EWAH-TZB	EWAD-T	EWAD-TZ C*	EWAH-TZ C*
Total heat recovery	01		Option				Option	Option	Option	Option	Option
Total heat recovery (1 circuit)	02										
Partial heat recovery	03a		Option	Option	CF	CF	Option	Option	Option	Option	Option
Evaporator 1 Pass	03b										
Direct on line starter (DOL)	04		STD	STD	STD	STD					
WyeDelta compressor starter (YD)	05								STD		
Soft starter	06		Option	Option	Option	Option			Option		
Heat pump version	07										
Heat pump version (including pursuit mode)	07a (15)										
Brine version	08 (1)	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Low temperature brine	08d										
Double setpoint	10		STD	STD	STD	STD	STD	STD	STD	STD	STD
Compressor thermal overload relays	11				Option	Option	STD	STD	Option	STD	STD
Fans thermal relays	12										
Phase monitor	13						STD	STD	STD	STD	STD
Inverter compressor starter	14						STD	STD		STD	STD
Under / Over voltage control	15		Option	Option	Option	Option	STD	STD	Option	STD	STD
Energy meter	16				Option	Option			Option		
Energy meter (including current limit)	16a						Option	Option		Option	Option
Capacitors for power factor correction	17		Option	Option	Option	Option			Option		
Capacitors for power factor correction (single-V)	17b										
Current limit	19								Option		
Evaporator victaulic kit	20		STD	STD	STD	STD	STD	STD	STD	STD	STD
Evaporator flange kit	21						Option	Option	Option	Option	Option
Evaporator marine waterbox victaulic (2 passes)	22										
Evaporator marine waterbox victaulic (1 pass)	22a										
Evaporator marine waterbox flanged (2 passes)	24										
Evaporator marine waterbox flanged (1 pass)	24a										
Condenser double flanges kit	26										
Evaporator water side design pressure (10 Bar)	27										
Evaporator water side design pressure (16 Bar)	28										
20mm evaporator insulation	29		STD	STD	STD	STD	STD	STD	STD	STD	STD
Axial fans (100 Pa lift)	30										
Axial fans (250 Pa lift)	32										
20mm condenser insulation	33										
Condenser victaulic kit	36										
Condenser marine waterbox victaulic (2 passes)	38										
Condenser marine waterbox victaulic (1 pass)	38a										
Condenser marine waterbox flanged (2 passes)	40										
Condenser marine waterbox flanged (1 pass)	40a										
Speedtrol (fan speed control device ON/OFF up to 18°C)	42						Option	Option (17)	Option	Option	Option (17)
Speedtrol (fan speed control device ON/OFF down to 10°C in cooling)	42a				Option						
Condenser coil guards	43				Option	Option					
Evaporator area guards	44				Option	Option					
CuCu condenser coil	45				Option	Option					
CuCuSn condenser coil	46				Option	Option					
Condenser water side design pressure (16 Bar)	47										
Condenser water side design pressure (10 Bar)	47a										
Alucoat fins coil	49			STD	STD	STD					
CuNi 9010 condenser tubes	50										
Condenser 1 pass (ΔT 48 °C)	51										
Condenser 2 passes (ΔT 48 °C)	52										
Condenser 2 passes (ΔT 915 °C)	53										
Condenser 3 passes	53b										
Condenser 4 passes	54										
Water pressure differential switch on condenser	55										
Water pressure differential switch on evaporator	56										
Evaporator electric heater	57	Option	STD	STD	STD	STD	STD	STD	Option	STD	STD
Evaporator flow switch	58		Option	Option	STD	STD	Option	Option		Option	Option
Condenser flow switch	59										
Electronic expansion valve	60		STD	STD	STD	STD	STD	STD	STD	STD	STD
Discharge line shutoff valve	61				Option	Option	STD	STD	STD	STD	STD
Suction line shutoff valve	62				Option	Option	STD	STD	Option	STD	STD

(1) Option 08 includes option 29 and option 146 - (2) Option 99(a) includes 'Fan overload protection' - (3) Piping between the inertial tank and the unit is not included. Electric heater power supply has to be provided from external source - (4) The order of inverter compressor will have an impact on the delivery time: please contact the factory - (5) Unit performance will be affected; contact factory for information. It is mandatory to order the option 26 when selecting CU-Ni 90-10 condenser tubes - (6) Sound proof system - compressor enclosure - (7) Compressor enclosure - (8) Soundproof cabinet will be supplied in a separate kit and not assembled. For better performance the cabinet will be integral kind (around the whole chiller, not only around compressors). Cabinet assembly is not included in the supply (9) Special transport is required (flat rack truck and open top when option 01 is selected) for model sizes as follows: EWWDC12I-SS - EWWDC18I-SS (10) Forklift loading-unloading operations are not allowed when option 01 is selected for model sizes as follows: EWWDC12I-SS - EWWDC18I-SS - (11) Special Transport is required (flat rack truck and open top) for model sizes as follows: EWLDC10I-SS - EWLDC17I-SS or EWWQC11B-SS - EWWQC20B-SS or EWWQC10B-XS, EWWQC12B-XS - EWWQC21B-XS - (12) Forklift loading-unloading operations are not allowed for model sizes as follows: EWLDC10I-SS - EWLDC17I-SS or EWWQC11B-SS - EWWQC20B-SS or EWWQC10B-XS, EWWQC12B-XS - EWWQC21B-XS - (13) STD only for single circuit unit (14) STD only for Premium and High efficiency version - (15) Option 07a includes option 33 (20mm condenser insulation) - (16) Option 111 contains option 07a (Heat pump version, including pursuit mode) and option 33 (20mm condenser insulation) (17) Only available for some models.

CF = Contact the factory - STD = Standard - SO = Specify at Order entry - NC = No additional cost

* Please contact your Daikin applied specialist for more info

Options - Medium and large chillers (Part 1)

EWAT-B-	EWAD-CF	EWYD-BZSS	EWYD-BZSL	EWYD-4Z*	ERAD-E-	EWWD-J-SS	EWWD-VZ	EWWH-VZ	EWLD-J-SS	EWLD-I-SS	EWWD-DZ EWWH-DZ
Option					Option		Option	Option (17)			
Option		Option	Option	Option	Option						
							Option				
STD											
	STD				STD	STD			STD	STD	
Option	Option				Option	Option(4)			Option(4)	Option	
						Option	Option	Option			
	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	
								CF			
STD	STD	STD	STD	STD	STD	STD	STD	STD		STD	
Option	Option			STD	Option	Option	STD	STD		Option	
	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	
		STD	STD	STD			STD	STD			STD
Option	Option	Option	Option	STD	Option	Option	STD	STD	Option	Option	
Option	Option	Option	Option		Option	Option			Option	Option	Option
				Option			Option	Option			
Option	Option				Option	Option				Option	
Option											
	Option	Option	Option		Option	Option			Option	Option	STD
STD		STD	STD	STD		STD	STD	STD	STD	STD	STD
Option	STD			Option							
											Option
				Option		Option	Option	Option			Option
							STD	STD		STD	STD
OPTION	STD	Option	Option	STD		STD	STD	STD	STD	Option	STD
				STD		Option	Option	Option			Option
				STD		STD	STD	STD			STD
											Option
Option					Option						
	Option	Option	Option	Option	Option						
	Option			Option							
	Option	Option	Option	Option	Option						
	Option	Option	Option		Option						
						STD					
							STD	STD			STD
	Option	Option	Option	STD	Option						
						Option(5)	Option	Option			Option
							STD	STD			Option
						STD					STD
											Option
STD	STD	STD	STD	STD							
Option	Option	Option	Option	Option		STD	Option	Option	STD	Option	Option
							Option	Option			Option
STD	STD	STD	STD	STD		STD	STD	STD	STD	STD	STD
Option	STD	STD	STD	STD	STD	STD	Option	Option	STD	Option	Option
Option	Option	STD	STD	Option	STD	STD	Option	Option	STD	Option	Option

Options - Medium and large chillers (Part 2)

Description	Code	EWAQ-CW EWYQ-CW	EWAQ-G-	EWYQ-G-	EWYQ-F-XS EWYQ-F-XL	EWYQ-F-XR	EWAD-TZ B	EWAH-TZB	EWAD-TZ C*	EWAH-TZ C*	EWAD-T
High pressure side manometers	63				Option	Option	Option	Option	Option	Option	Option
Low pressure side manometers	64				Option	Option	Option	Option	Option	Option	Option
Ambient outside temperature sensor and setpoint reset	67		STD	STD	STD	STD	STD	STD	STD	STD	STD
Hour run meter	68		STD	STD	STD	STD	STD	STD	STD	STD	STD
General fault contactor	69		STD	STD	STD	STD	STD	STD	STD	STD	STD
Alarm from external device	70										
Container Kit	71		Option	Option	Option	Option	Option	Option	Option	Option	Option
Rubber anti vibration mounts	75		Option	Option	Option	Option	Option	Option	Option	Option	Option
Sound proof system	76										
Sound proof system (integral)	76-a										
Sound proof system (compressor)	76-b										
Spring anti vibration mounts	77		Option	Option	Option	Option	Option	Option	Option	Option	Option
One centrifugal pump (low lift)	78	Option	Option	Option			Option	Option	Option	Option	Option
One centrifugal pump --- SPK1	78-a				Option	Option					
One centrifugal pump --- SPK2	78-b				Option	Option					
One centrifugal pump --- SPK3	78-c				Option	Option					
One centrifugal pump --- SPK4	78-d				Option	Option					
One centrifugal pump --- SPK5	78-e										
One centrifugal pump --- SPK6	78-f										
One centrifugal pump --- SPK7	78-g										
One centrifugal pump --- SPK8	78-h										
One centrifugal pump --- SPK9	78-i										
One centrifugal pump --- SPK10	78-j										
One centrifugal pump --- SPK1a	78-l				Option	Option					
One centrifugal pump --- SPK1b	78-m				Option	Option					
One centrifugal pump --- SPK1c	78-n				Option	Option					
One centrifugal pump (high lift)	79	Option	Option	Option			Option	Option	Option	Option	Option
Two centrifugal pump (low lift)	80		Option	Option			Option	Option	Option	Option	Option
Two centrifugal pump --- DPK1	80-a										
Two centrifugal pump --- DPK2	80-b										
Two centrifugal pump --- DPK3	80-c										
Two centrifugal pump --- DPK4	80-d										
Two centrifugal pump --- DPK5	80-e										
Two centrifugal pump --- DPK6	80-f										
Two centrifugal pump --- DPK7	80-g										
Two centrifugal pump --- DPK8	80-h										
Two centrifugal pump (high lift)	81		Option	Option			Option	Option	Option	Option	Option
External tank without cabinet (500 L)	83 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option
External tank without cabinet (1000 L)	84 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option
External tank with cabinet (500 L)	87 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option
External tank with cabinet (1000 L)	88 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option
Acoustic test	89										
Setpoint reset, Demand limit and Alarm from external device	90				Option	Option	STD	STD	STD	STD	STD
Double pressure relief valve with diverter	91		Option	Option	Option	Option	Option	Option	Option	Option	Option
PW COMPRESSOR - PART WINDING START	92										
Low ambient kit for 1 circuit	93										
Low ambient kit for 2 circuits	94										
Compressors circuit breakers	95		Option	Option	Option	Option	Option	Option	Option	Option	Option
Fans circuit breakers	96		Option	Option	Option		STD	STD	STD	STD	STD
Main switch interlock door	97		STD	STD	STD	STD	STD	STD	STD	STD	STD
Emergency stop	98										
Fans speed regulation (+ fan silent mode)	99 (2)										
Fans speed regulation (inverter)	99a (2)				Option	STD	Option	Option (17)	Option	Option (17)	Option
Refrigerant recovery unit	100										
Evaporator right water connections	101						Option	SO	Option	SO	SO
Ground fault relay	102				Option	Option	Option	Option	Option	Option	Option
Evaporator 1 pass	103										
Evaporator 2 passes	103a										
Evaporator 3 passes	103b										
Evaporator double flange kit	104										
Liquid receiver	105										
Rapid restart	110						Option	Option	Option	Option	Option
High temperature kit	111										
Transport kit	112		Option	Option	Option		Option	Option	Option	Option	Option
Optimized free cooling (VFD fans regulation)	113-a										
Optimized free cooling (On/Off fans)	113-b										
Nordic kit	114			Option	Option	Option					
Water filter	115		Option	Option	STD	STD	STD	STD (17)	STD	STD (17)	
Condenser coil protection panels	116				Option	Option					
Blygold coil treatment	117			Option	Option	Option					
Inverter kit for 1 centr pump low lift	120e		Option				Option	Option	Option	Option	Option
Inverter kit for 1 centr pump high lift	120f		Option				Option	Option	Option	Option	Option
Inverter kit for 2 centr pumps low lift	120g						Option	Option	Option	Option	Option
Inverter kit for 2 centr pumps high lift	120h						Option	Option	Option	Option	Option
Refrigerant leak detection	121						Option	Option (17)	Option	Option (17)	
Discharge and suction line shut-off valve	126		Option	Option							
High and low pressure side manometers	127		Option	Option							
Master/slave	128		STD	STD	STD	STD	STD	STD	STD	STD	STD
One centrifugal pump (low lift) + tank	134		Option	Option							
One centrifugal pump (high lift) + tank	135		Option	Option							
Two centrifugal pump (low lift) + tank	136		Option	Option							
Two centrifugal pump (high lift) + tank	137		Option	Option							
Coil guard	138		Option	Option							
E-coating microchannel coils	139		Option				Option	Option	Option	Option	Option
Unit guards (to cover unit access)	140						Option	Option	Option	Option	Option
Side panels on coil ends	141						Option	Option	Option	Option	Option
High ambient kit (operatin 46°C)	142						Option	Option	Option	Option	Option
High ambient kit	142a										
Variable primary flow	143						Option	Option	Option	Option	
Diff pressure transd (shipped loose)	144						Option	Option	Option	Option	
EC motor fans	145						Option		Option		
Compressor thermal insulation	146										
Knock-down electrical panel	147										
Automatic transfer switch (free standing)	149										
Inverter EN61800-3 class C2 compliant	150										
Rubber pads	152										
Blue coat	153						Option	Option	Option	Option	Option
Evaporator Optimized for high delta T	154						Option	Option	Option	Option	
Daikin on site modem (with antenna)	155						Option	Option	Option	Option	Option
AC 9000 rpm fans	156						Option	STD (17)	Option	STD (17)	
AC 700 rpm fans	157						Option	STD (17)	Option	STD (17)	
Brushless fans up to 900 rpm	158						Option	Option (17)	Option	Option (17)	
Brushless fans up to 700 rpm	159						Option	Option	Option	Option	
100 PA ESP fans	160			Option			Option	Option (17)	Option	Option (17)	
200 PA ESP fans	161						Option	Option	Option	Option	
Cu-Ni Evaporator tubes	164						Option	CF	Option	CF	
Marine version	167										
120 Pa ESP fans	168				Option						
Portable touch screen	169										
Nitrogen holding charge on water side heat exchangers	170										

* Contact your Daikin applied specialist for more info

EWAT-B-	EWAD-CF	EWYD-BZSS	EWYD-BZSL	EWYD-4Z*	ERAD-E-	EWWD-J-SS	EWWD-VZ	EWWH-VZ	EWLD-J-SS	EWLD-I-SS	EWWD-DZ EWWH-DZ
Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Option	Option	Option	Option	Option		Option	Option	Option	Option	Option	Option
STD	STD	STD	STD	STD	STD						
STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Option											
Option		Option	Option	Option	Option	Option	Option	Option	Option	Option(11)	STD
Option	Option	Option	Option	Option	Option	Option			Option	Option	
										Option (8)	
						Option (6)	Option	Option	Option (6)		Option
Option	Option	Option	Option	Option	Option						
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	Option										
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Option		Option		Option							
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Option		Option	Option	Option							
Option		Option	Option	Option							
	STD	Option	Option	STD	STD	STD	STD	STD	STD	STD	STD
Option	Option	Option	Option	Option	Option	Option	STD	STD	Option	Option	STD
Option	Option			Option	Option		Option	Option			Option
Option	STD	STD	STD	STD	STD						
STD	STD			STD	STD	STD	STD	OPTION	STD	STD	STD
	STD					STD			STD	STD	
Option	STD	Option	STD		Option						
				STD							
	SO	Option	SO								
Option	Option			Option		Option	Option	Option	Option	Option	Option
							Option	Option			Option
							STD	STD			STD
							Option	Option			Option
							Option	Option		Option	Option
									Option	Option	
	Option			Option			Option	Option			Option
							Option	Option			
Option		Option	Option	Option	Option	Option	Option	Option	Option	Option(12)	Option
	Option										
	Option										
		Option	Option	Option							
Option											
	Option	Option	Option		Option						
	Option			Option	Option						
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							Option	Option			Option
							Option	Option			CF
							Option	Option			Option
							Option	Option			CF
							Option	Option			Option
Option											
Option				Option			Option	Option			Option
				Option							
Option (17)				Option							
Option (17)											
							Option				
								CF			
											Option
											Option

Accessories - Chillers

DWSC & DWDC EWWD~FZ	Air-cooled chillers										
Panels	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD-TZ C***	**EWAH-TZ C***	**EWAD~T- (B)**
EKDICMPAB (a) (b) iCM Primary Basic							●	●	●	●	●
EKDICMPAL (a) (b) iCM Primary for evaporator peripherals Light							●	●	●	●	●
EKDICMPAF (a) (b) iCM Primary for evaporator peripherals Full							●	●	●	●	●
EKPWPRO PlantWatchPRO monitoring system											
EKPWPROM PlantWatchPRO monitoring system (modem & webserver included)											
EKTSMS Temperature sensor for master/slave configuration				●							
EKRUMCL1 User Interface	●										

	Air-cooled chillers										
Serial Cards & Communication Modules	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD-TZ C***	**EWAH-TZ C***	**EWAD~T- (B)**
EKAC200J Serial Card RS485/Modbus					●						
EKACBAC Ethernet Card BACnet					●						
EKACLONP Serial Card LON FTT10					●						
EKACRS232 Serial Card RS232 Modem Interface (single unit only)					●						
EKACWEB Web Server Card					●						
EKACBACMSTP Serial Card BACnet MSTP					●						
EKACBACCERT Serial Card BACnet pre-loaded (centrifugal chillers)											
EKACMSTPCERT Serial Card BACnet pre-loaded MSTP (centrifugal chillers)											
EKCM200J ModBus RTU communication module				●		●	●	●	●	●	●
EKCMLON LON communication module				●		●	●	●	●	●	●
EKCMBACMSTP BACnet/MSTP communication module				●		●	●	●	●	●	●
EKCMBACIP BACnet/IP communication module				●		●	●	●	●	●	●
EKACPG Communication cards											

	Air-cooled chillers										
Other Systems & Accessories	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD-TZ C***	**EWAH-TZ C***	**EWAD~T- (B)**
EKCON Converter RS485 to RS232					●						
EKCONUSB Converter RS485 to USB					●						
EKMODEM Fixed modem					●						
EKGSMOD GSM modem					●						
EKRUPCJ Remote display kit					●						
EKRUPCS Local/remote display HMI				●		●	●		●		●
EKPWPROEXT PlantWatchPro I/O extension module for hardwiring and retrofit					●						
EKGWWEB Gateway web (Ethernet LAN SNMP)					●						
EKGWMODEM Gateway for modem					●						
EKRUPG Remote user interface											
EKGN210 European Kit Grouved Nipple (for sizes 080-210)											
EKGN260 European Kit Grouved Nipple (for sizes 230-260)											
EKSS Soft Starter kit 5/8/10/12 Hp-units											
EKAC10C Address card for connection to BMS or Remote user interface											
EKRUMCA Remote installed user interface											
EKBT Buffertank 200 l (for N & P models											
EHMC10A10 Hydraulic module 5/8/10 and 14/22 Hp-units											
EHMC10A80 Hydraulic module 5/8/10 and 14/22 Hp-units											
EHMC15A10 Hydraulic module 28/35 Hp-units											
EHMC15A80 Hydraulic module 28/35 Hp-units											
EHMC30A10 Hydraulic module 45/55/65 Hp-units											
EHMC30A80 Hydraulic module 45/55/65 Hp-units											
EKLS1 Low noise kit 014 Hp-units											
EKLS2 (d) Low noise kit 22/28/35/45/55/65 Hp-units											
ECB2MUAW (e) Controller kit											
ECB3MUAW (e) Controller kit											
ECB2MUBW (e) Controller kit											
ECB3MUBW (e) Controller kit											
EKRP1HB (f) Digital input/output PCB (remote alarm and ON/OFF signalisation											
EKRP1AHT Digital input/output PCB			●								
EKRUAHTB Remote user interface			●								
DTA104A62 External control adapter			●								
BHGP26A1 Digital pressure gauge kit			●								
EKQDP2M016 (h) Differential Pressure Sensor 4-20 mA 0-160 kPa						●	●		●		●
EKQDP2M020 (h) Differential Pressure Sensor 4-20 mA 0-250 kPa						●	●		●		●
EKQDP2M040 (h) Differential Pressure Sensor 4-20 mA 0-400 kPa						●	●		●		●
EKQDP2M060 (h) Differential Pressure Sensor 4-20 mA 0-600 kPa						●	●		●		●
EKDAPCONT Containerization of one unit				●	●	●	●		●		●
EKDAPSTF Containerization of additional units in the same container				●	●	●	●		●		●

Notes:
(a) Price does not include commissioning of panel; if commissioning is required please refer to RN17-041
(b) iCM panels work in cooling mode only; heat pump versions and total heat recovery options on A/C and W/C chillers are not compatible
(c) in case you are ordering iCM panels please contact factory
(d) For 45/55/65 Hp-units 2 pieces are needed

						Water-cooled chillers						Centrifugals	
EWAT-B	EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
●	●		●		●			●	●	●	●	●	●
●	●		●		●			●	●	●	●	●	●
●	●		●		●			●	●	●	●	●	●
													●
													●
●			●	●				●					

						Water-cooled chillers						Centrifugals	
EWAT-B	EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
													●
													●
													●
													●
●	●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●	●			●	●	●	●	●	

						Water-cooled chillers						Centrifugals	
EWAT-B	EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
													●
													●
													●
													●
													●
	●	●	●	●	●			●	●	●	●	●	
													●
													●
													●
						●	●						
						●	●						
						●	●						
						●							
						●							
	●		●		●			●	●	●	●	●	●
	●		●		●			●	●	●	●	●	●
	●		●		●			●	●	●	●	●	●
	●		●		●			●	●	●	●	●	●
	●	●	●	●	●			●	●	●	●	●	
	●	●	●	●	●			●	●	●	●	●	

(e) Only available for modulare units (EWWP~KAW1M)
(f) For 009/010/011/013 units (price available in SAP system)
(g) Price available in SAP system
(h) Differential pressure sensor are specific for iCM panels in variable primary flow management

Fan Coil Units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system. These units are an effective solution to provide a comfortable environment for both commercial and residential applications. Daikin offers a wide range of Fan Coil Units for both concealed and exposed applications. Three models are available in flexible application. The only moving part in the units is the fan, making them ideal for use in offices, hotels and at home. The goal is to obtain the right solution, both technically and aesthetically.

Fan coil units

Why choose Daikin fan coil units? 600

Products overview 602

Round flow cassette 604
FWC-BT/BF 604

4-way blow ceiling mounted cassettes 605
FWF-BT/BF 605

Floor standing units 606
FWZ-AT/AF 606
FWV-DAT/DAF 607

Flexi type units 608
FWR-AT/AF 608
FWL-DAT/DAF 609
FWS-AT/AF 610
FWM-DAT/DAF 611

Ducted units 612
NEW FWE-DT/DF low ESP 612
FWP-AT medium ESP 613
FWB-BT medium ESP 614
FWN-AT/AF medium ESP 615
FWD-AT/AF high ESP 616

Wall mounted unit 617
NEW FWT-GT 617

Options & accessories 618

Fan coil units with BLDC motor

As more buildings undergo renovation, the need to be able to deliver high indoor air quality in a specific space in an **efficient and cost-effective way** without having to do a radical re-fit of the entire HVAC system has made fan coil technology an obvious solution.

Daikin has a full capacity range of **aesthetically pleasing** fan coil units with advanced controls that reliably deliver **excellent comfort levels**. And by using a refined range of advanced DC fan motors, we are able to offer flexibility while maintaining very low noise levels.

Why choose Daikin fan coil units?

- The new brushless DC ranges reflect Daikin's commitment to developing highly efficient fan coil units that help to reduce energy consumption, without compromising on reliability and performance.
- High level quality is written large for us and we are pleased to offer high technology solutions to the market.

Benefits for the installer

› Reduced amount of sizes: less stock space needed
› Modular designs for multiple configurations
› Easy integration in BMS system via modbus protocol

Benefits for the consultant

› Best solution in the market in order to have top efficiency, best comfort and lowest sound levels
› Product flexibility: wide range of options, accessories and controls

Benefits for the end user

› High comfort level
› Up to 70% savings on running costs with a BLDC fan motor
› Controller with timer programmed operating mode
› FWECSA controller that can satisfy all customer requirements in terms of FCU management

Fan coil unit software

Select your unit via our selection software
› Selection logic is based on cooling and/or heating mode conditions entered by the user
› A detailed report including technical specifications can be printed.

Download the software from the business portal. Fan coil selection is available in the software finder.

Payback tool

Prove quickly the saving in electric costs using the new BLDC motor technology compared to the AC motor technology via our payback tool. The tool can be downloaded from the business portal. Search for: BLDC payback tool

BIM objects

Our Fan Coils units are available as BIM objects in Revit format, which means they can be used in Autodesk REVIT MEP and in AutoCAD 2D files.
Visit our **BIM Application Suite**

BLDC fan motors Video

Learn more on the advantages of BLDC fan motors in Fan coil units:

Check on YouTube
www.youtube.com/DaikinEurope

Benefits of brushless inverter technology on fan coil units:

Higher efficiency than AC (Alternative Current) motor

› Up to 70% energy savings
› No heat generation
› No power losses
› Higher efficiency than AC motors to reach set point

High comfort level

› Less fluctuation of air temperature and relative humidity
› More consistent output level
› Stepless speed change for gradual air output
› More accurate adjustments to reach set point

Low sound levels

› Lower minimum rotation speed
› No start-stop sequence
› Gradual air output

High flexibility level

› Multiple configurations: cassettes, floorstanding units, flexi type units with or without cabinet and ducted units
› Wide capacity range in heating and cooling
› Different piping topologies and connection valves

FWN-AT/AF

FWR-AT/AF

FWS-AT/AF

FWC-BT/BF

FWP-AT

FWZ-AT/AF

Products overview

Type	Model	Product name	Fan motor type	Capacity
Round flow cassette	Round flow cassette - 900 x 900 cassette - 360° air discharge ensures uniform air flow - Integrated fresh air intake - Easy installation in corners - Standard drain pump with 850 mm lift	FWC-BT/BF	BLDC	Cooling: 4.0 - 8.7 kW Heating: 5.5 -12.1 kW
4-way blow ceiling mounted cassette	4-way blow ceiling mounted cassette - 600 x 600 cassette - Integrated fresh air intake - Horizontal auto swing - Easy installation in corners - Standard drain pump with 750 mm lift	FWF-BT/BF	AC	Cooling: 1.4 - 5.2 kW Heating: 2.3 - 6.7 kW
Floor standing units	Floor standing unit - For vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWZ-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Floor standing unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWV-DAT/DAF	AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
Flexi type units	Flexi type unit - For horizontal or vertical mouting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWR-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46- 11.18 kW
	Flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWL-DAT/DAF	AC	Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWS-AT/AF	BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWM-DAT/DAF	AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
Ducted units	Ducted unit with low ESP - For horizontal or vertical concealed mounting - Available static pressure up to 30 Pa - Easy installation and maintenance - 4-speed fan motor - High power air flow	FWE-DT/DF	AC	Cooling: 2.10 - 9.96 kW Heating: 2.3 - 13.00 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Instant adjustment to temperature and relative humidity changes - Available static pressure up to 70 Pa - Low sound levels	FWP-AT	BLDC	Cooling: 2.61 - 6.47 kW Heating: 5.47 - 12.28 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Available static pressure up to 60 Pa - 7-speed electrical motors (thermal protection on windings) - Easy maintenance	FWB-BT	AC	Cooling: 2.61 - 10.34 kW Heating: 5.47 - 18.78 kW
	Ducted unit with medium ESP - For horizontal or vertical concealed mounting - Avaiable static pressure up to 70 Pa - Easy maintenance	FWN-AT/AF	BLDC	Cooling: 2.83 - 8.75 kW Heating: 3.63 - 18.10 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Available static pressure from 60 up to 145 Pa - Easy maintenance	FWD-AT/AF	AC	Cooling: 3.90 - 18.30 kW Heating: 4.05 - 21.92 kW
Wall mounted unit	Wall mounted unit - High aesthetic cabinet design - Optimum air distribution - Easy installation - 3-speed fan motor	FWT-GT	AC	Cooling: 2.43 - 5.28 kW Heating: 3.22 - 7.33 kW

Capacity class

1	15	2	25	3	35	4	5	6	7	8	9	10	11	12	16	18
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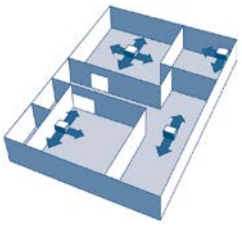
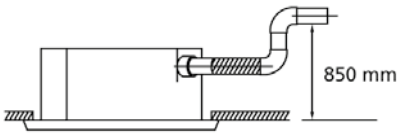
Round flow cassette

BLDC fan motor unit for ceiling mounting. 360° air discharge

› 360° air discharge ensures uniform air flow and temperature distribution
› Modern style decoration panel in white (RAL9010)
› Optional fresh air intake
› Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling



› Possibility to shut 1 or 2 flaps for easy installation in corners
› Standard drain pump with 850mm lift increases flexibility and installation speed



FWC-BT/BF

BRC7E532F/533F

BRC315D7

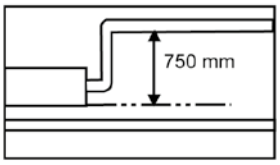
Indoor unit			FWC-BT/BF	06	07	08	09	06	07	08	09
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	5.5	6.1	7.2	8.1	5.9	6.3	7.2	8.3
		Medium	kW	4.7	5.3	5.9	6.8	5.1	5.6	6.2	6.9
		Low	kW	3.9	4.5	4.8	5.4	4.3	4.6	4.8	5.7
	Sensible capacity	High	kW	4.2	4.7	5.7	6.5	4.2	4.6	5.4	6.4
		Medium	kW	3.5	4.0	4.5	5.3	3.6	4.0	4.5	5.2
		Low	kW	2.8	3.3	3.5	4.1	3.1	3.3	3.5	4.0
Heating capacity (standard conditions)	High		kW	6.8	7.7	9.2	10.6	6.9	7.8	9.2	10.4
	Medium		kW	5.8	6.6	7.6	8.8	6.1	6.7	7.6	8.7
	Low		kW	4.8	5.5	5.8	7.0	5.2	5.5	5.8	6.8
Power input	High		kW	0.045	0.054	0.077	0.107	0.046	0.055	0.077	0.107
	Medium		kW	0.040	0.046	0.058	0.076	0.041	0.047	0.059	0.077
	Low		kW	0.034	0.037	0.039	0.045	0.035	0.038	0.040	0.046
FCEER				116	119	113	104	124	120	112	106
FCCOP				143	147	141	137	149	144	138	131
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840							
Weight	Unit		kg	26				29			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	1,068	1,236	1,518	1,776	1,032	1,200	1,476	1,746
		Medium	m^3/h	894	1,038	1,200	1,410	864	1,002	1,164	1,374
		Low	m^3/h	720	834	888	1,044	708	804	852	1,014
Total sound power level	High		dBA	43.0	47.0	53.0	57.0	43.0	47.0	53.0	57.0
	Medium		dBA	36.0	39.0	44.0	49.0	36.0	39.0	44.0	49.0
	Low		dBA	31.0	33.0	36.0	40.0	33.0	36.0		40.0
Sound pressure level	High		dBA	29.0	33.0	39.0	43.0	29.0	33.0	39.0	43.0
	Medium		dBA	24.0	28.0	32.0	37.0	24.0	28.0	32.0	37.0
	Low		dBA	21.0	22.0	24.0	28.0	21.0	22.0	24.0	28.0
Piping connections	Drain	OD	mm	VP25 (External dia.32 / internal dia. 25)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Control systems	Infrared remote control			BRC7E532F / BRC7E533F							
	Wired remote control			BRC315D7							

For standard conditions refer to Measuring Conditions table, at the end of this catalogue

4-way blow ceiling mounted cassette

AC fan motor unit for ceiling mounting. Possibility to shut 1 or 2 flaps

- Modern style decoration panel in white (RAL9010)
- Compact casing (570mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Comfortable horizontal auto swing ensures draughtfree operation and prevents ceiling soiling
- Optional fresh air intake
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Standard drain pump with 750mm lift increases flexibility and installation speed



Indoor unit			FWF-BT/BF	02	03	04	05	02	03	04	05
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.7	3.0	4.0	4.9	1.8	2.9	3.8	4.6
		Medium	kW	1.5	2.7	3.1	4.0	1.5	2.4	3.1	3.8
		Low	kW	1.3	2.4		2.8	1.3	1.6		2.6
	Sensible capacity	High	kW	1.4	2.0	2.7	3.5	1.5	1.8	2.5	3.2
		Medium	kW	1.2	1.7	2.0	2.7	1.2	1.5	1.9	2.5
		Low	kW	1.0	1.4		1.8		1.0		1.6
Heating capacity (standard conditions)		High	kW	2.4	3.3	4.5	5.6	3.3	3.6	4.7	5.7
		Medium	kW	2.1	2.9	3.5	4.4	2.9	3.1	3.7	4.7
		Low	kW	1.9	2.7		3.0	2.4	2.6		3.2
Power input		High	kW	0.074		0.090	0.118	0.074		0.094	0.121
		Medium	kW	0.067		0.070	0.089	0.067	0.062	0.074	0.093
		Low	kW	0.060		0.055	0.062	0.060	0.055		0.066
FCEER				22	40	44	45	22	33	34	40
FCCOP				32	45	49		41	48		49
Dimensions	Unit	HeightxWidthxDepth	mm	285 x575x575							
Weight	Unit		kg	19				20			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	456	468	660	876	468	438	618	822
		Medium	m^3/h	384	390	486	648	390	366	456	612
		Low	m^3/h	300	318		420	318	300		390
Total sound power level	High		dBA	44.0		50.0	55.0	44.0	46.0	52.0	57.0
	Medium		dBA	40.0		44.0	49.0	40.0	42.0	46.0	51.0
	Low		dBA	36.0	38.0		42.0	36.0	38.0	41.0	44.0
Sound pressure level	High		dBA	31.0		40.0	45.0	31.0	33.0	42.0	47.0
	Medium		dBA	27.0		33.0	39.0	27.0	29.0	35.0	41.0
	Low		dBA	26.0			30.0	26.0	27.0		32.0
Piping connections	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440							
Control systems	Infrared remote control			BRC7E530 / BRC7E531							
	Wired remote control			BRC315D7							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

BLDC fan motor unit for vertical mounting. Continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Requires very little installation space

FWZ-AT/AF

FWEC3A

FWECSA

Indoor unit			FWZ-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226	564x984x226	564x1,190x226	564x1,404x251	564x774x226	564x984x226	564x1,190x226	564x1,404x251
Weight	Unit		kg	20.6	26.7	32.3	41.6	20.6	26.7	32.3	41.6
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

AC fan motor unit for vertical mounting

› Quick fixing system for wall mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats

FWV-DAT/DAF

FWEC1,2,3A

FWECSA

ECFWMB6

Indoor unit			FWV-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04			0.05	0.06	0.07	0.13	0.17		0.03	0.04			0.05	0.06	0.07	0.13	0.17	
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226			564x984x226		564x1,190x226			564x1,400x251		564x774x226			564x984x226		564x1,190x226			564x1,400x251	
Weight	Unit		kg	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442	640	706	785	1,011	1,393		307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341	450	497	605	771	1,022		225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241	320	361	470	570	642		174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0	52.0	53.0	56.0	61.0	67.0		45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0	49.0	54.0	60.0		39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0	43.0	47.0	49.0		33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0	47.0	48.0	51.0	56.0	62.0		40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0	44.0	49.0	55.0		34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0	38.0	42.0	44.0		28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0		3.0			1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Requires very little installation space

FWR-AT/AF

FWEC3A

FWECSA

Indoor unit			FWR-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.20	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.10	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x246	564x984x246	564x1,190x246	564x1,404x271	564x774x246	564x984x246	564x1,190x246	564x1,404x271
Weight	Unit		kg	21.2	27.5	33.6	43.1	21.2	27.5	33.6	43.1
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

AC fan motor unit for horizontal or vertical mounting

› Quick fixing system for wall or ceiling mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats

FWL-DAT/DAF

FWEC1,2,3A

FWECSA

ECFWMB6

Indoor unit			FWL-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x246			564x984x246		564x1,190x246			564x1,400x271		564x774x246			564x984x246		564x1,190x246			564x1,400x271	
Weight	Unit		kg	20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1		20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1	
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36 .0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

BLDC fan motor unit for horizontal or vertical concealed mounting. Continuous air flow regulation and fan speed modulation

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Available static pressure up to 50Pa at maximum speed

FWS-AT/AF

FWEC3A

FWECSA

Indoor unit			FWS-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224	535x794x224	535x1,000x224	535x1,214x249	535x584x224	535x794x224	535x1,000x224	535x1,214x249
Weight	Unit		kg	16.9	22.1	26.6	35.4	16.9	22.1	26.6	35.4
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

AC fan motor unit for horizontal or vertical concealed mounting

› Quick fixing system for wall or ceiling mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats
› Available static pressure up to 50Pa at maximum speed

FWM-DAT/DAF

FWEC1,2,3A

FWECSA

Indoor unit			FWM-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224			535x794x224		535x1,000x224			535x1,210x249		535x584x224			535x794x224		535x1,000x224			535x1,210x249	
Weight	Unit		kg	16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4		16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4	
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit with low ESP

AC fan motor unit for horizontal or vertical concealed mounting

› Low unit casing height of 200mm
› Sirocco Fan leading to low noise operation
› Open control
› Multiple factory mounted valve combinations
› Increased flexibility of capacity setting in the field
› The air filter can easily be removed for cleaning

FWE-DT/DF

FWEC3A

FWECSA

Indoor unit			FWE-DT/FWE-DF	03DT	04DT	05DT	06DT	07DT	08DT	10DT	11DT	03DF	04DF	05DF	06DF	07DF	08DF	10DF	11DF
				2-pipe								4-pipe							
Cooling capacity (standard conditions)	Total capacity	High	kW	1.77	2.06	2.58	3.12	3.83	3.92	5.22	5.60	1.77	2.06	2.58	3.12	3.83	3.92	5.22	5.60
		Medium	kW	1.60	1.64	2.00	2.01	2.57	2.96	3.52	3.78	1.60	1.64	2.00	2.01	2.57	2.96	3.52	3.78
		Low	kW	1.22	1.21	1.33	1.24	1.80	2.38	2.57	2.81	1.22	1.21	1.33	1.24	1.80	2.38	2.57	2.81
		Fan speed 1	kW	1.22	1.21	1.33	1.24	1.80	2.38	2.57	2.81	1.22	1.21	1.33	1.24	1.80	2.38	2.57	2.81
	Sensible capacity	High	kW	3.22	4.28	4.59	2.56	3.14	3.22	4.28	4.59	1.45	1.69	2.11	2.56	3.14	3.22	4.28	4.59
		Medium	kW	2.43	2.89	3.10	1.64	2.11	2.43	2.89	3.10	1.31	1.34	1.64		2.11	2.43	2.89	3.10
		Low	kW	1.95	2.11	2.30	1.02	1.48	1.95	2.11	2.30	1.16	0.99	1.09	1.02	1.48	1.95	2.11	2.30
		Fan speed 1	kW	1.95	2.11	2.30	1.02	1.48	1.95	2.11	2.30	1.00	0.99	1.09	1.02	1.48	1.95	2.11	2.30
	Latent capacity	Super high	kW	0.35	0.37	0.46	0.56	0.69	0.71	0.94	1.01	0.35	0.37	0.46	0.56	0.69	0.71	0.94	1.01
		High	kW	0.32	0.34	0.43	0.49	0.60	0.66	0.86	0.92	0.32	0.34	0.43	0.49	0.60	0.66	0.86	0.92
Heating capacity (standard conditions)	Capacity	High	kW	2.28	2.65	3.33	4.03	4.98	5.11	6.92	7.43	1.96	2.61	2.94	3.84	4.96	4.57	5.83	6.18
		Medium	kW	2.07	2.10	2.56	2.54	3.28	3.76	4.63	4.98	1.81	2.37	2.58	2.69	3.72	3.73	4.26	4.49
		Low	kW	1.55	1.53	1.67	1.52	2.26	2.94	3.36	3.68	1.47	2.11	2.16	1.91	2.97	3.22	3.39	3.60
		Fan speed 1	kW	1.55	1.53	1.67	1.52	2.26	2.94	3.36	3.68	1.47	2.11	2.16	1.91	2.97	3.22	3.39	3.60
Power input			kW	0.031	0.032	0.039	0.062	0.065	0.067	0.104	0.110	0.031	0.032	0.039	0.062	0.065	0.067	0.104	0.110
			kW	0.03			0.04			0.05		0.03			0.04			0.05	
			kW	0.03			0.04		0.03						0.04		0.03		
	Fan speed 1		kW	0.03			0.04		0.03						0.04		0.03		
Dimensions	Unit	HeightxWidthxDepth	mm	200x797x610			200x 997x610	200x1,200x610				200x797x610			200x 997x610	200x1,200x610			
Casing	Colour			Metal															
Air filter	Type			Plastic Frame / PP Filter Net (G1)															
Fan	Type			Sirocco fan															
	Quantity			2			3	4				2			3	4			
	Air flow rate	High	m^3/h	365	385	488	676	820	725	1,031	1,115	365	385	488	676	820	725	1,031	1,115
		Medium	m^3/h	326	306	373	446	517	520	648	705	326	306	373	446	517	520	648	705
		Low	m^3/h	235	226	242	289	335	396	436	489	235	226	242	289	335	396	436	489
		Fan speed 1	m^3/h	235	226	242	289	335	396	436	489	235	226	242	289	335	396	436	489
Total sound power level	High		dBA	42.0	44.0		50.0			57.0	59.0	42.0	44.0		50.0			57.0	59.0
	Medium		dBA	39.0	38.0	41.0	39.0	38.0		47.0		39.0	38.0	41.0	39.0	38.0		47.0	
	Low		dBA	32.0	33.0	32.0	30.0	31.0		38.0	40.0	32.0	33.0	32.0	30.0	31.0		38.0	40.0
	Fan speed 1		dBA	33.0			30.0	31.0		38.0	40.0	33.0			30.0	31.0		38.0	40.0
Water flow	Cooling	High	l/h	316	368	461	560	685	702	937	1,005	316	368	461	560	685	702	937	1,005
		Medium	l/h	287	293	357	360	460	570	627	674	287	293	357	360	460	529	627	674
		Low	l/h	219	218	238	225	324	423	457	500	219	218	238	225	324	423	457	500
		Fan speed 1	l/h	219	218	238	225	324	423	457	500	219	218	238	225	324	423	457	500
	Heating	High	l/h	201	233	293	354	438	449	610	654	172	230	258	337	437		513	544
		Medium	l/h	181	184	225	223	289	331	408	438	159	208	227	236	327		374	395
		Low	l/h	136	134	147	133	199	259	296	324	129	186	190	167	261		298	317
		Fan speed 1	l/h	136	134	147	133	199	259	296	324	129	186	190	167	261		298	317
Piping connections	Drain	OD	mm	17.3															
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240															
Current input	High		A	0.01		0.02	0.03	0.02		0.04	0.05	0.01		0.02	0.03	0.02		0.04	0.05
	Medium		A	0.01			0.02				0.04	0.01			0.02				0.04
	Low		A	0.01			0.02			0.01	0.03	0.01			0.02			0.01	0.03

Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 65°C, water temperature drop 10K. | Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K. | Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB

Concealed ceiling unit with medium ESP

BLDC fan motor unit for horizontal concealed mounting. Continuous air flow regulation and fan speed modulation

- Blends unobtrusively with any interior décor: only the suction and discharge grills are visible
- Up to 50% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- 7-speed electrical motors (with thermal protection on windings).
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- Available static pressure up to 80Pa at maximum speed

FWP-AT

FWEC3A

FWECSA

Indoor unit			FWP-AT	02	03	04	05	06	07
				2-pipe					
Cooling capacity (1) (standard conditions)	Total capacity	High	kW	2.38	2.88	3.19	4.58	4.85	5.80
		Low	kW	1.35	1.51	1.69	2.23	2.58	2.86
	Sensible capacity	High	kW	1.71	1.96	2.13	3.23	3.44	3.93
		Low	kW	0.95	1.03	1.11	1.62	1.79	1.92
Heating capacity (1) (standard conditions)		High	kW	2.54	2.80	3.00	4.71	5.15	5.56
		Low	kW	1.40	1.48	1.53	2.46	2.59	2.74
Power input (1)	High		kW	0.046			0.076		
	Low		kW	0.01			0.02		
FCEER				A					
FCCOP				A					
Dimensions	Unit	HeightxWidthxDepth	mm	551x1,040x239			551x1,390x239		
Weight	Unit		kg	26.0	27.0	29.0	35.0	37.0	39.0
Air filter	Type			Acrylic fiber - Filtering class G2 (G3 on request)					
Fan	Type			Centrifugal					
	Quantity			1			2		
	Air flow rate (1)	High	m^3/h	371			722		
		Low	m^3/h	184			283	331	
Total sound power level	High		dBA	58.0			60.0		
	Low		dBA	36.0		38.0	39.0		
Sound pressure level	High		dBA	53.0			55.0		
	Low		dBA	31.0		33.0	34.0		
Electric heater	Power input (Optional)		kW	2.0			2.5		
Piping connections	Drain	OD	mm	17					
Power supply	Phase/Frequency		Hz	1~/50					
Control systems	Wired remote control			FWEC3A / FWECSA					

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue
(1) Only the values for minimum and maximum speeds are indicated

Concealed ceiling unit with medium ESP

AC fan motor unit for horizontal concealed mounting

- Compact dimensions, can easily be mounted in a narrow ceiling void (unit height: 240mm)
- 3, 4 or 6 stage row cooling coil
- Drain pan to collect the condensate from: heat exchanger and regulating valves
- 7-speed electrical motors (with thermal protection on windings)
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- The air filter can easily be removed for cleaning
- Available static pressure up to 80Pa at maximum speed

FWB-BT

FWEC1,2,3A

FWECSA

Indoor unit			FWB-BT	02	03	04	05	06	07	08	09	10
				2-pipe								
Cooling capacity (1) (standard conditions)	Total capacity	High	kW	2.32	2.82	3.13	4.47	4.74	5.69	5.70	6.48	7.65
		Low	kW	1.33	1.49	1.67	2.17	2.52	2.80	3.83	4.26	4.94
	Sensible capacity	High	kW	1.65	1.90	2.07	3.12	3.33	3.82	3.90	4.39	5.02
		Low	kW	0.93	1.01	1.09	1.56	1.73	1.86	2.67	2.92	3.25
Heating capacity (1) (standard conditions)		High	kW	2.54	2.80	3.00	4.70	5.15	5.56	5.95	6.57	7.18
		Low	kW	1.39	1.48	1.53	2.14	2.81	2.71	4.11	4.42	4.69
Power input (1)	High		kW	0.106			0.192			0.294		
	Low		kW	0.03			0.08			0.16		
Dimensions	Unit	HeightxWidthxDepth	mm	551x1,040x239			551x1,390x239			551x1,740x239		
Weight	Unit		kg	26.0	27.0	29.0	35.0	37.0	39.0	47.0	49.0	53.0
Air filter	Type			Acrylic fiber - Filtering class G2 (G3 on request)								
Fan	Type			Centrifugal								
	Quantity			1			2			3		
	Air flow rate (1)	High	m^3/h	371			722			905		
		Low	m^3/h	184			283	331		572		
Total sound power level	High		dBA	58.0			60.0			69.0		
	Low		dBA	36.0		38.0	39.0			53.0		
Sound pressure level	High		dBA	53.0			55.0			64.0		
	Low		dBA	31.0		33.0	34.0			48.0		
Electric heater	Power input (Optional)		kW	2.0			2.5			3.0		
Piping connections	Drain	OD	mm	17								
Power supply	Phase/Frequency		Hz	1~/50								
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA								

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue
(1) Only the values for minimum and maximum speeds are indicated

Concealed ceiling unit with high ESP

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- The air filter can easily be removed for cleaning
- Straight duct connector mounted to discharge side
- Available static pressure up to 120Pa at maximum speed

FWN-AT/AF

FWEC3A

FWECSA

Indoor unit			FWN-AT/AF	04	05	06	07	08	10	04	05	06	07	08	10
				2-pipe						4-pipe					
Cooling capacity (standard conditions)	Total capacity	High	kW	3.80	4.65	6.01	6.65	7.57	8.49	3.76	4.61	5.91	6.55	7.46	8.35
		Medium	kW	3.47	4.20	5.65	6.25	6.84	7.62	3.44	4.17	5.58	6.17	6.75	7.52
		Low	kW	2.83	3.38	5.22	5.78	6.20	6.84	2.82	3.36	5.17	5.71	6.14	6.77
	Sensible capacity	High	kW	2.98	3.56	4.47	5.04	6.29	6.83	2.95	3.53	4.39	4.97	6.19	6.71
		Medium	kW	2.70	3.19	4.20	4.73	5.60	6.07	2.68	3.17	4.15	4.66	5.52	5.98
		Low	kW	2.19	2.54	3.90	4.35	5.01	5.40	2.18	2.52	3.84	4.30	4.96	5.34
Heating capacity (standard conditions)		High	kW	4.05	4.83	6.42	7.26	7.88	8.93	3.91	3.89	5.72	5.65	7.99	7.94
		Medium	kW	3.69	4.36	6.03	6.80	7.11	8.04	3.68	3.66	5.51	5.45	7.47	7.44
		Low	kW	3.04	3.55	5.59	6.29	6.47	7.28	3.23		5.25	5.21	7.02	6.99
Power input	High		kW	0.112		0.152		0.248		0.112		0.152		0.248	
	Medium		kW	0.07		0.13		0.17		0.73		0.13		0.17	
	Low		kW	0.04		0.10		0.12		0.45	0.40	0.10		0.12	
FCEER				C	B	C					B	C			
FCCOP				B	A	B		C		B		C			
Dimensions	Unit	HeightxWidthxDepth	mm	559x754x280		559x964x280		559x1,170x280		559x754x280		559x964x280		559x1,170x280	
Weight	Unit		kg	32.5	33.3	40.6	41.7	47.3	48.7	34.7	35.5	43.2	44.4	50.3	51.7
Air filter	Type			Acrylic - Filtering class EU2											
Fan	Type			Centrifugal											
	Quantity			1		2				1		2			
	Air flow rate	High	m^3/h	802	791	1,238	1,203	1,606	1,581	793	783	1,211	1,182	1,576	1,550
		Medium	m^3/h	700	692	1,134	1,107	1,384	1,371	694	686	1,115	1,088	1,362	1,349
		Low	m^3/h	534	532	1,019	1,000	1,207	1,198	531	529	1,005	985	1,192	1,184
Total sound power level	High		dBA	66.0		69.0		72.0		66.0		69.0		72.0	
	Medium		dBA	61.0		63.0		67.0		61.0		63.0		67.0	
	Low		dBA	54.0		59.0	61.0	62.0		54.0		59.0	61.0	62.0	
Sound pressure level	High		dBA	61.0		64.0		67.0		61.0		64.0		67.0	
	Medium		dBA	56.0		58.0		62.0		56.0		58.0		62.0	
	Low		dBA	49.0		54.0	56.0	57.0		49.0		54.0	56.0	57.0	
Electric heater	Power input (Optional)		kW	2.0		6.0		9.0		2.0		6.0		9.0	
Piping connections	Drain	OD	mm	17											
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230											
Control systems	Wired remote control			FWEC3A / FWECSA											

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed ceiling unit with high ESP

AC fan motor unit for horizontal or vertical concealed mounting

› Quick fixing system for wall or ceiling mounted installation
› Straight duct connector mounted to discharge side
› The air filter can easily be removed for cleaning
› Available static pressure up to 180Pa at maximum speed

FWD-AT/AF

FWEC1,2,3A

FWECSA

Indoor unit			FWD-AT/AF	04	06	08	10	12	16	18	04	06	08	10	12	16	18
				2-pipe							4-pipe						
Cooling capacity (standard conditions)	Total capacity	High	kW	3.65	5.71	7.33	8.25	11.86	15.92	17.74	3.62	5.60	7.20	8.10	11.66	15.84	17.66
		Medium	kW	3.36	5.39	6.63	7.41	10.12	13.83	15.36	3.33	5.32	6.54	7.31	10.00	13.77	15.29
		Low	kW	2.74	4.99	6.03	6.68	8.42	11.63	12.92	2.73	4.92	5.97	6.61	8.33	11.59	12.87
	Sensible capacity	High	kW	2.83	4.16	6.04	6.58	9.22	12.21	13.49	2.80	4.08	5.94	6.46	9.06	12.14	13.41
		Medium	kW	2.59	3.94	5.39	5.86	7.75	10.43	11.40	2.57	3.89	5.31	5.77	7.66	10.38	11.34
		Low	kW	2.10	3.66	4.84	5.23	6.35	8.61	9.37	2.09	3.60	4.79	5.17	6.29	8.58	9.34
Heating capacity (standard conditions)		High	kW	4.05	6.42	7.88	8.93	12.72	17.29	19.05	3.91	5.72	7.99	7.94	14.43	19.30	19.20
		Medium	kW	3.69	6.03	7.11	8.04	10.84	15.05	16.40	3.68	5.51	7.47	7.44	12.63	17.17	17.03
		Low	kW	3.04	5.59	6.47	7.28	9.06	12.68	13.73	3.23	5.25	7.02	6.99	10.86	14.88	14.79
Power input	High		kW	0.265	0.460	0.505		0.750	1.300		0.265	0.460	0.505		0.750	1.300	
	Medium		kW	0.19	0.39	0.38		0.54	1.09		0.19	0.39	0.38		0.54	1.09	
	Low		kW	0.14	0.35	0.29		0.37	0.87		0.14	0.35	0.29		0.37	0.87	
Dimensions	Unit	HeightxWidthxDepth	mm	559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353		559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353	
Weight	Unit		kg	32.5	40.6	47.3	48.7	65.3	77.0	79.5	34.7	43.2	50.3	51.7	70.9	83.4	85.9
Air filter	Type			Acrylic fiber - Filtering class G2 (G4 on request)													
Fan	Type			Centrifugal													
	Quantity			1	2						1	2					
	Air flow rate	High	m^3/h	802	1,241	1,609	1,584	2,380	3,206	3,175	794	1,212	1,573	1,550	2,328	3,186	3,155
		Medium	m^3/h	700	1,134	1,384	1,371	1,898	2,641	2,604	694	1,115	1,362	1,349	1,871	2,626	2,590
		Low	m^3/h	534	1,021	1,208	1,200	1,485	2,092	2,073	532	1,004	1,194	1,186	1,466	2,084	2,065
Total sound power level	High		dBA	66.0	69.0	72.0		74.0	78.0		66.0	69.0	72.0		74.0	78.0	
	Medium		dBA	61.0	63.0	67.0			73.0		61.0	64.0	67.0			73.0	
	Low		dBA	54.0	59.0	62.0		60.0	69.0		54.0	61.0	62.0		60.0	69.0	
Sound pressure level	High		dBA	61.0	64.0	67.0		69.0	73.0		61.0	64.0	67.0		69.0	73.0	
	Medium		dBA	56.0	58.0	62.0			68.0		56.0	59.0	62.0			68.0	
	Low		dBA	49.0	54.0	57.0		55.0	64.0		49.0	56.0	57.0		55.0	64.0	
Electric heater	Power input (Optional)		kW	2.0	6.0	9.0			12.0		2.0	6.0	9.0			12.0	
Piping connections	Drain	OD	mm	17													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230													
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA													

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Wall mounted unit

AC fan motor unit for wall mounting

› High aesthetic cabinet design
› Optimum air distribution
› Easy to install
› Wireless remote control up to 9 m distance
› 3-speed fan motor
› Wide operating range
› Low operating sound level thanks to tangential fan
› Insulated with self-extinguishing class 1 heat insulation
› Removable washable air filter (self-extinguishing class 1)

FWT-GT

MERCA

SRC-HPA

WRC-HPC

Indoor unit			FWT-GT	02	03	04	05	06
				2-pipe				
Cooling capacity (standard conditions)	Total capacity	High	kW	2.40	2.67	3.27	4.49	5.21
		Medium	kW	2.20	2.23	2.79	4.02	4.32
		Low	kW	1.94	2.02	2.52	3.76	4.04
	Sensible capacity	High	kW	1.82	1.99	2.60	3.38	4.03
		Medium	kW	1.73	1.69	2.21	3.00	3.52
		Low	kW	1.50	1.49	1.91	2.77	3.22
Heating capacity (standard conditions)		High	kW	2.71	2.96	3.71	5.07	6.23
		Medium	kW	2.41	2.62	3.29	4.51	5.38
		Low	kW	2.06	2.25	2.75	4.03	4.83
Power input	High		kW	0.031	0.032	0.042	0.053	0.072
	Medium		kW	0.03		0.04	0.05	0.07
	Low		kW	0.03			0.04	0.06
FCEER				D			C	D
FCCOP				C				
Dimensions	Unit	HeightxWidthxDepth	mm	288x800x206			310x1,070x224	
Weight	Unit		kg	9.00			14.0	
Casing	Colour			White				
Air filter	Type			Washable Saranet				
Fan	Type			Cross flow fan				
	Quantity			1				
	Air flow rate	High	m^3/h	442	476	629	866	1,053
		Medium	m^3/h	391	425	544	765	883
		Low	m^3/h	340	374	442	663	782
Total sound power level	High		dBA	45.0	48.0	55.0		59.0
	Medium		dBA	41.0	44.0	50.0	51.0	54.0
	Low		dBA	36.0	39.0	45.0	47.0	51.0
Sound pressure level	High		dBA	34.0	35.0	42.0		46.0
	Medium		dBA	29.0	30.0	39.0	38.0	42.0
	Low		dBA	25.0		32.0	34.0	39.0
Piping connections	Drain	OD	mm	19				
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240				
Control systems	Infrared remote control			WRC-HPC				
	Wired remote control			MERCA / SRC-HPA				

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Options & accessories - Fan coil units: Panels and Controls

	INDOOR UNITS	FWC-BT/BF	FWF-BT/BF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Panels	Decoration panel 600x600 (2-pipe)		BYFQ60B3				
	Decoration panel 900x900 (2-pipe)	BYCQ140C					
	Decoration panel 900x900 (4-pipe)	BYCQ140C					
	Panel spacer for reducing required installation height	KDBQ44B60					
	Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60				
	Rear panel			ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1, 15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)	ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1,15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)
	Air intake & discharge grille			EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)	EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)
Individual control systems & network	Wired remote controller (standard)	BRC315D	BRC315D		FWEC1A		FWEC1A
	Wired remote controller (advanced)				FWEC2A		FWEC2A
	Wired remote controller (advanced Plus)			FWEC3A	FWEC3A	FWEC3A	FWEC3A
	Wired remote controller (heat pump)						
	Wireless controller (heat pump)	BRC7F530	BRC7F532F				
	Controller electromechanical				ECFWMB6		ECFWMB6
	Split controller - power control board			FWECSAP	FWECSAP	FWECSAP	FWECSAP
	Split controller - control panel			FWECSAC	FWECSAC	FWECSAC	FWECSAC
	On-board mounting kit			FWECKA	FWECKA	FWECKA	FWECKA
	Wall-mounting kit			FWFCKA	FWFCKA	FWFCKA	FWFCKA
Centralised control systems	Central remote control	DCS302CA51	DCS302CA51				
	Unified ON/OFF control	DCS301BA51	DCS301BA51				
	Schedule timer	DST301BA51	DST301BA51				
Building Management System & Standard protocol interface	Intelligent Touch Manager	DCM601A5A	DCM601A5A				
	Intelligent Touch Controller	DCS601C51C	DCS601C51C				

1. Decoration panel code includes wireless controller

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-GT
ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1,15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35,4 & 6 class) ERPV10A6 (8&10 class)						
EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)						
	FWEC1A	FWEC1A		FWEC1A	FWEC1A		MERCA
	FWEC2A	FWEC2A		FWEC2A	FWEC2A		
FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	
							SRC-HPA
							WRC-HPC
	ECFWMB6						
FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	
FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	
FWECKA	FWECKA						
FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	

Options & accessories - Fan coil units: Filters and Valves

	INDOOR UNITS	FWC-BT/BF	FWF-BT/BF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Filters	Long-life filter	KAFP551K160	KAFQ441BA60				
ON/OFF valves 230V	3-ways 230V ON/OFF valve kit (2-pipe)	EKMV3C09B	EKMV3C09B	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)
	3-ways 230V ON/OFF valve kit (4-pipe)	EKMV3C09B x2	EKMV3C09B x2	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)
	2-ways 230V ON/OFF valve kit (2-pipe)	EKMV2C09B	EKMV2C09B				
	2-ways 230V ON/OFF valve kit (4-pipe)	EKMV2C09B x 2	EKMV2C09B x 2				
	2-ways 230V ON/OFF valve kit (cooling heat exchanger)			E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)
	2-ways 230V ON/OFF valve kit (additional heat exchanger)			E2MV2B07A6	E2MV2B07A6	E2MV2B07A6	E2MV2B07A6
	3-ways 230V ON/OFF valve kit (additional heat exchanger)						
	Simplified 3-ways 230V ON/OFF valve kit (2-pipe)			E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)
	Simplified 3-ways 230V ON/OFF valve kit (4-pipe)			E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)
ON/OFF valves 24V	3-ways 24V ON/OFF valve kit (2-pipe)			E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)
	3-ways 24V ON/OFF valve kit (4-pipe)			E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)
	2-ways 24V ON/OFF valve kit (cooling heat exchanger)			E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)
	2-ways 24V ON/OFF valve kit (additional heat exchanger)			E2M2V207A6	E2M2V207A6	E2M2V207A6	E2M2V207A6
Proportional valves	3-ways proportional valve kit (2-pipe)				E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)		E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)
	3-ways proportional valve kit (4-pipe)				E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)		E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)
	2-ways proportional valve kit (cooling heat exchanger)				E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)		E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)
	2-ways proportional valve kit (additional heat exchanger)				E2MPV207A6		E2MPV207A6

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-GT
E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E3V2VN02V3WA	E2MV107A6	E2MV107A6	ED2MV04A6 (4 class) ED2MV10A6 (6, 8 & 10 class) ED2MV12A6 (12 class) ED2MV18A6 (16 & 18 class)	ED2MV04A6 (4 & 5 class) ED2MV10A6 (6 up 10 class)	
E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E3V4VN02V3WA			ED4MV04A6 (4 class) ED4MV10A6 (6, 8 & 10 class) ED4MV12A6 x 2 (12 class) ED4MV18A6 x 2 (16 & 18 class)	ED4MV04A6 (4 & 5 class) ED4MV10A6 (6 up 10 class)	
		E2V2VN01V3WA					
		E2V4VN01V3WA					
E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)			E2MV207A6 (2 up to 7 class) E2MV210A6 (8 & 10 class)			
E2MV2B07A6	E2MV2B07A6		E2MV207A6	E2MV207A0 (2 up to 7 class) E2MV210A6 (8 & 10 class)			
			E2MV307A6	E2MV307A6			
E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E4V2PN04V3DA E4V2PN06V3DA E4V2PN10V3DA					
E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4V4PN04V3DA E4V4PN06V3DA E4V4PN10V3DA					
E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)						
E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)						
E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)						
E2M2V207A6	E2M2V207A6						
	E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)						
	E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)						
	E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)						
	E2MPV207A6						

Options & accessories - Fan coil units: Others

	INDOOR UNITS	FWC-BT/BF	FWF-BT/BF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF	FWL-DAT/DAF
Adapters	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox)	KRP1H98	KRP1BA101				
	Wiring adapter for electrical appendices	KRP2A52 (2) KRP4AA53 (2)	KRP2A52 (2) KRP4AA53 (2)				
	Remote ON/OFF		EKROROA				
	Remote sensor	KRCS01-4	KRCS01-1				
	Optional PCB for MODBUS connection	EKFCMBCB	EKFCMBCB				
	Wiring adapter with 4 output signals for valve control PDB	EKRP1C11					
	Temperature sensor kit			FWTSKA	FWTSKA	FWTSKA	FWTSKA
	Relative humidity sensor kit			FWHSKA	FWHSKA	FWHSKA	FWHSKA
	Fan stop thermostat				YFSTA6		YFSTA6
	Master-slave interface				EPIMSA6		EPIMSA6
	Power interface						
Others	Fresh air intake kit (direct installation type)		KDDQ44XA60				
	Fresh air intake			EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)	EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)
	Electrical box with earth terminal (2 blocks)	KJB212A	KJB212A				
	Electrical box with earth terminal (3 blocks)	KJB311A	KJB311A				
	Eletrical box with earth terminal	KJB411A	KJB411A				
	Electric heater (standard)			EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)	EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)
	Electric heater (big)						
	Additional heat exchanger			ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)
	Supporting feet			ESFV06A6 (2, 3 and 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFV06A6 (2, 3 and 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)
	Supporting feet and grille			ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)	ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)
	Plenum box with circular connections						
	Plenum box (insulated) with circular connections (supply side)						
	Vertical auxiliary drain pan			EDPVB6	EDPVB6	EDPVB6	EDPVB6
	Horizontal auxiliary drain pan			EDPHB6	EDPHB6	EDPHB6	EDPHB6
	Drain pump	included	included	CDRP1A	CDRP1A	CDRP1A (only vertical installation	CDRP1A (only vertical installation-

2. Requires KRP1H98

FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-GT
FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA		FWTSKA	
FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	
	YFSTA6			YFSTA6	YFSTA6	YFSTA6	
	EPIMSA6	EPIMSA6		EPIMSA6	EPIMSA6	EPIMSA6	R04084153577 (Modbus access gateway)
					EPIB6 (only 12, 16 & 18 class)		
EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)				EDMFA04A6 (4 class) EDMFA06A6 (6 class) EDMFA10A6 (8 & 10 class) EDMFA12A6 (12 class) EDMFA18A6 (16 & 18 class)	EDMFA04A6 (4 & 5 class) EDMFA06A6 (6 & 7 class) EDMFA10A6 (8 & 10 class)	
EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)		Factory mounted	Factory mounted	EDEH04A6 (4 class) EDEHS06A6 (6 class) EDEHS10A6 (8 & 10 class) EDEHS12A6 (12 class) EDEHS18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHS06A6 (6 & 7 class) EDEHS10A6 (8 & 10 class)	
					EDEH04A6 (4 class) EDEHB06A6 (6 class) EDEHB10A6 (8 & 10 class) EDEHB12A6 (12 class) EDEHB18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHB06A6 (6 & 7 class) EDEHB10A6 (8 & 10 class)	
ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)		EAH04A6 (2-4 class) EAH07A6 (5-7 class)	EAH04A6 (2-4 class) EAH07A6 (5-7 class) EAH10A6 (8-10 class)			
ESFV06A6 (2, 3 & 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFH01D5 (installation leg for vertical application)					
ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)						
EPCC02A6 (2 class) EPCC03A6 (3 class) EPCC06A6 (6 class) EPCC10A6 (8 class)	EPCC02A6 (1,15 & 2 class) EPCC03A6 (25 & 3 class) EPCC06A6 (35, 4 & 6 class) EPCC10A6 (8 & 10 class)						
			EPAA02A6 EPAA05A6 EPAA08A6				
EDPVB6	EDPVB6	ESFD01D6			EDDPV10A6 (4, 6, 8, 10 class) EDDPV18A6 (12, 16 & 18 class)	EDDPV10A6	
EDPHB6	EDPHB6				EDDPH10A6 (4, 6, 8, 10 class) EDDPH18A6 (12, 16 & 18 class)	EDDPH10A6	
CDRP1A	CDRP1A		CDRP1A	CDRP1A	CDRP1A	CDRP1A	

Daikin air handling units, with their plug-and-play design and inherent flexibility, can be configured and combined specifically to meet the exact requirements of any building, no matter what it is used for or who is to work there. Our systems are designed to be the most environmentally friendly and the most energy efficient on the market, thus reducing their ecological impact, while, at the same time, keeping costs down through the minimisation of energy consumption.

When combined with the small physical footprint of the system, these features make our air handling units ideal for all markets.

Air handling units

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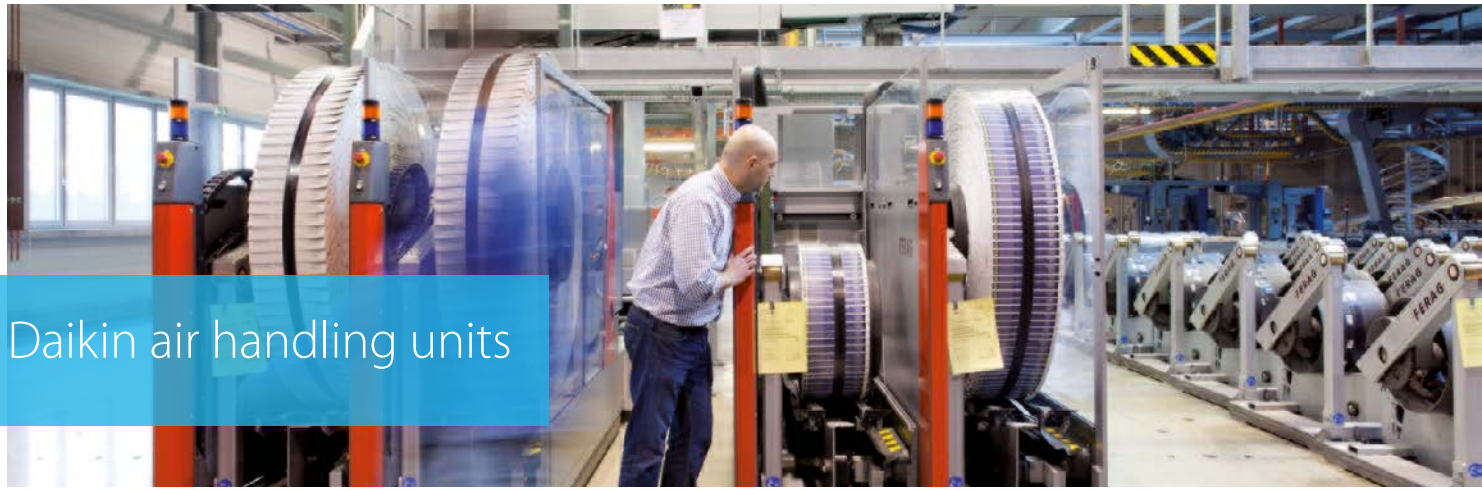
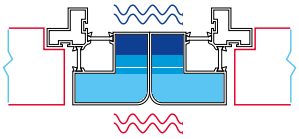


Daikin air handling units

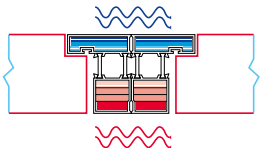
Why choose Daikin air handling units?

- Maximum energy efficiency and indoor air quality
- Wide range of functions and options
- **High quality** components
- **Innovative** technology: Unique features and state of the art technology for short payback
- Operation **efficiency** and energy **savings**
- Outstanding **reliability** and **performance**
- Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems.
- Plug and play concept for easy installation and commissioning
- Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

Conventional design



Daikin design



The unique quality of Daikin AHU is accomplished by:

Panels
› The outer panel is Pre-painted with Corrosion Class RC5
› The inner panel is made of Aluzinc with Corrosion Class RC4

Gasket
› Liquid gasket technology drastically reduces unit air leakage

Frame
› All anodized aluminium which has the highest corrosion resistance compared to natural aluminium
› Unique Daikin thermal break (35mm or 27 mm thermal break). Polyamide bars design to enhance thermal break unit performances
› Distinctive Section to section thermal break profile to ensure thermal break design on the whole unit (see image above)
› Rounded profile for increased ease of cleaning

IAQ
› Flush internal surface and rounded corner flush surface to avoid the retention of dirt and to be easily cleanable
› Wide filtration possibility to reduce pollution

Plug & Play Controls
› Pre-commissioned and Factory-tested control for quicker on site commissioning
› Sole manufacturer to provide a complete AHU DX solution from a single manufacturer available for connection of AHU to VRV or ERQ (everything factory-mounted)

Certifications
› Eurovent certified performances
› Exceeding 2019 ErP - ECODESIGN requirements
› Certified according to the Hygiene Directive VDI 6022 (Modular L and Professional ranges)
› Certified according to the Hygiene Directive DIN 1946 (Professional range)
› RLT certified performances

Marketing tools

› Watch the Modular L promotional video and the time-lapse video of a Daikin AHU construction on www.youtube.com/daikineurope
› Download our brochure on air handling units from my.daikin.eu
› Get access to the selection tool http://tools.daikinapplied.eu to select your air handling units in a few clicks!
› Download the Modular L "Daikin Air Design" App on the App stores for iOS and Android
› Consult the Argue Card document to support you in promoting the Modular L range, available at your Daikin AHU specialist

Benefits for the installer

Plug and play design

› Pre-programmed and factory-tested controls easiest and fast commissioning
› Low voltage fast connectors in between AHU selections easiest on site unit assembly
› Flush mounted electrical control panel avoiding risk of damage during transport and installation

Daikin Fresh air package

› Plug & Play connection of Professional or Modular AHU to Daikin VRV and ERQ
› Factory-mounted package contains expansion valves, electronic interface and sensors.
› *easiest and fast commissioning*

Benefits for the end user

Customizable or standard

› Amazing tailor made capability to meet the specific customer needs with the Professional range or fast availability thanks to the "make to stock" standard Modular L range

Efficient control logic

› Open communication protocols (BACnet and Modbus) that guarantee BMS, and iTM compatibility
› Energy efficient controls with reduced energy and operating cost
› Highest efficiency to have sensible saving on energy

Benefits for the consultant

Quick selection tool

› In-house developed web software with improved user interface and preset parameters ensure that you can always find the optimum and most energy efficient product for your application
› Unlimited configuration option
› Infinity variable sizing (1 cm increments a unit sizes)

SMART CONTROLS

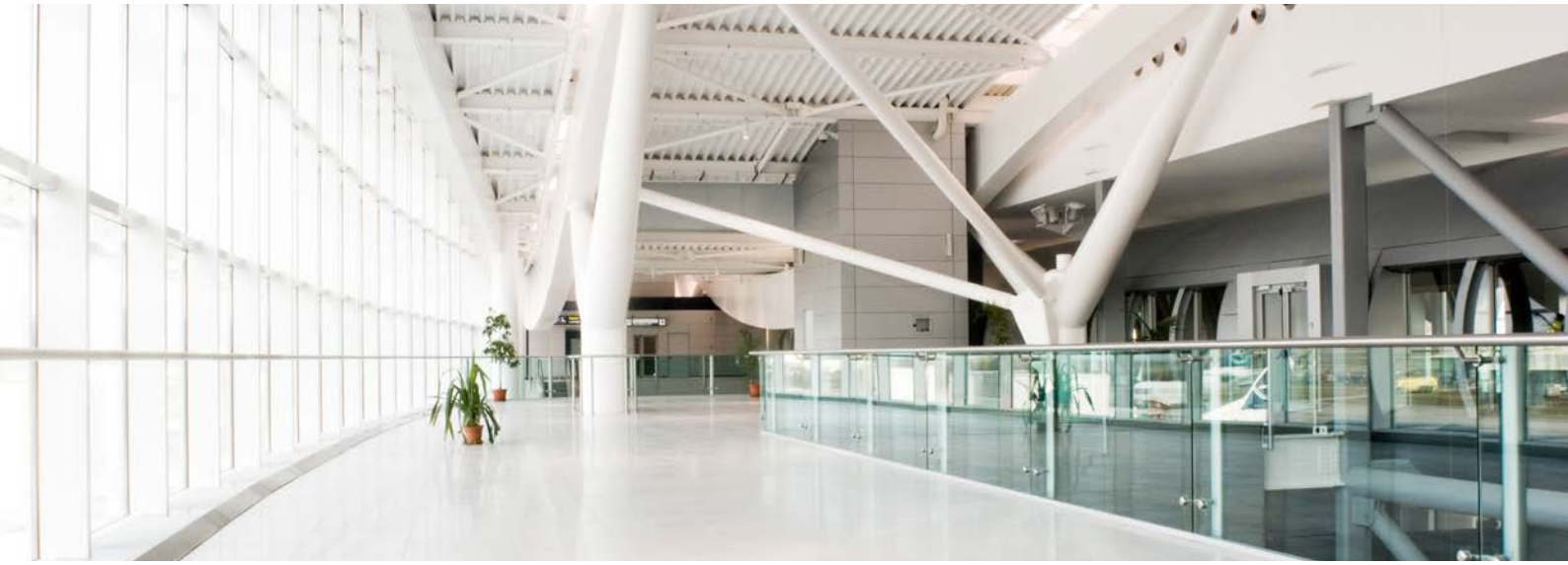
DAMPER AND EC FAN

HEAT RECOVERY
WHEEL AND FILTER

D-AHU MODULAR R INSTALLATION

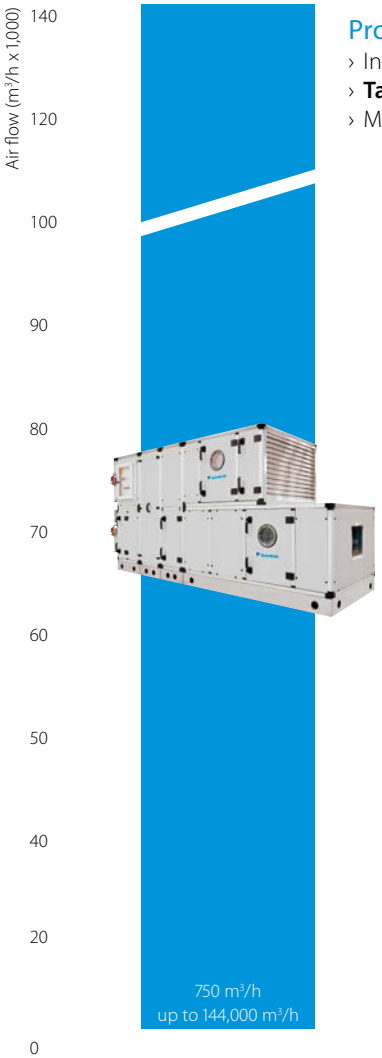
COMFORTABLE INDOOR CLIMATE

Products overview



Centralized and decentralized ventilation

D-AHU Professional



Professional
- Infinite variable sizes
- **Tailored to the individual customer**
- Modular construction

Modular R
- Pre-configured sizes
- Plug and play concept
- EC fan technology
- **Heat recovery wheel (sorption and sensible technology)**
- **Compact design**

D-AHU Modular R

500 m³/h
up to 25,000 m³/h

Modular P
- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- **High efficiency aluminium counter flow plate heat exchanger**
- **Compact design**

D-AHU Modular P

500 m³/h
up to 15,000 m³/h

Modular L
- Pre-configured sizes
- Plug and play concept
- EC Fan technology
- **High efficiency aluminium counter flow plate heat exchanger**
- **Low height unit**
- **For false ceiling applications**

D-AHU Modular L

150 m³/h
up to 3,450 m³/h

Selection software

ASTRA Web

› Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
› Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
› High selection quality, thanks to the intelligence embedded within the software core.

Quickly select your air handling unit by following the wizard:

1. Select the series: D-AHU Professional, D-AHU Modular R, D-AHU Modular P and Modular L
2. Insert the air flow supply and return
3. Insert the summer/winter air supply setpoint
4. Insert the summer/winter outdoor and extract temperature

You will get immediately your 3D result and it's ready to customize!

Now, you will be able to modify your unit (adding or changing components) in order to have a product that meets all your needs.

When finished a technical report, price list, fan curve chart and psychrometric chart can be generated. These final reports can be downloaded in different formats.

Eurovent certification

Daikin Applied Europe S.p.A. participates in the Eurovent Certified Performance programme for Air Handling Units.
Check ongoing validity of certificate:
www.eurovent-certification.com
or www.certiflash.com

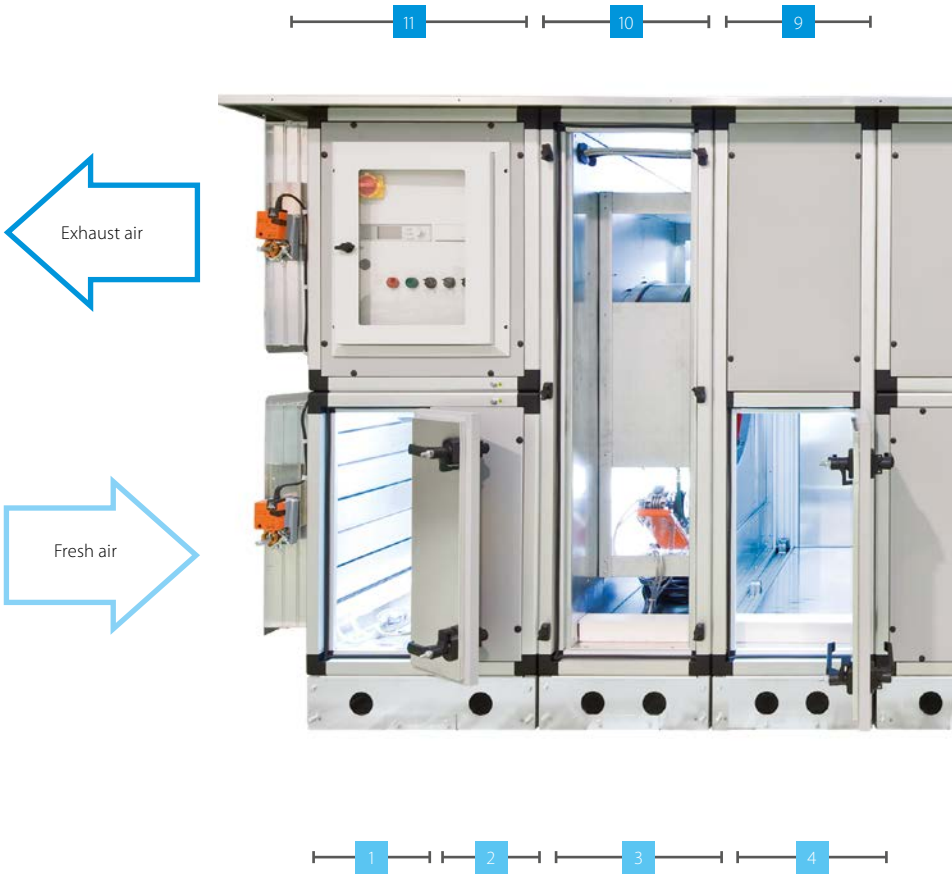
Result sp65	Eurovent Classification according to EN1886					
D1	Casing strength class	D1	D2	D3		
	Max. relative deflection mm x m^{-1}	4.00	10.00	EXCEEDING10		
L1	Casing air leakage class at -400 Pa	L1	L2	L3		
	Max. leakage rate (f_{400}) l x s^{-1} x m^{-2}	0.15	0.44	1.32		
L1	Casing air leakage class	L1	L2	L3		
	Max. leakage rate (f_{700}) l x s^{-1} x m^{-2}	0.22	0.63	1.90		
F9	Filter bypass leakage class	F9	F8	F7	F6	G1 TO F5
	Max. filter bypass leakage rate k in % of the volume flow rate	0.50	1	2	4	6
T2	Thermal transmittance	T1	T2	T3	T4	T5
	(U) W/m^2 x K	U <= 0.5	0.5 < U <= 1	1 < U <= 1.4	1.4 < U <= 2	No requirements
TB2	Thermal bridging factor	TB1	TB2	TB3	TB4	TB5
	(kb) W x m^{-2} x K-1	0.75 < K_b <= 1	0.6 < K_b <= 0.75	0.45 < K_b <= 0.6	0.3 < K_b <= 0.45	No requirements

The working principle at a glance

Typical configurations for Daikin air handling units provide a versatile range of functions.
Our system offers numerous options for customisation through an extensive range of variations and added functionality.

Supply side

1. Damper section including ventilation grilles, factory-mounted actuators
2. Bag filter with factory-mounted differential pressure manometer and hinged door
3. Heat recovery system (plate heat exchanger or rotary heat exchanger)
4. Mixing box with damper and factory-mounted actuators
5. R-410A with heat recovery system with galvanised condensate tray and drip protection
6. Supply air fan (with hinged door, opening, drive monitoring, mounted and cabled lighting and ON/OFF switch)



Fans
- EC plug fan
- Forward curved fan
- Backward curved fan
- Backward airfoil blades fan
- Plug fan

Exchangers
- Water coils
- Steam coils
- Direct expansion coil
- Superheated water coils
- Electric coils

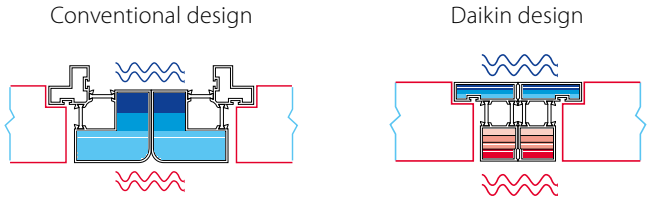
Humidifiers
- Evaporative humidifier without pump (loss water)
- Evaporative humidifier with re-circulating pump
- Air washer without pump (loss water)
- Air washer with re-circulating pump
- Steam humidifier with direct steam production
- Steam humidifier with local distributor
- Atomized water spray humidifier

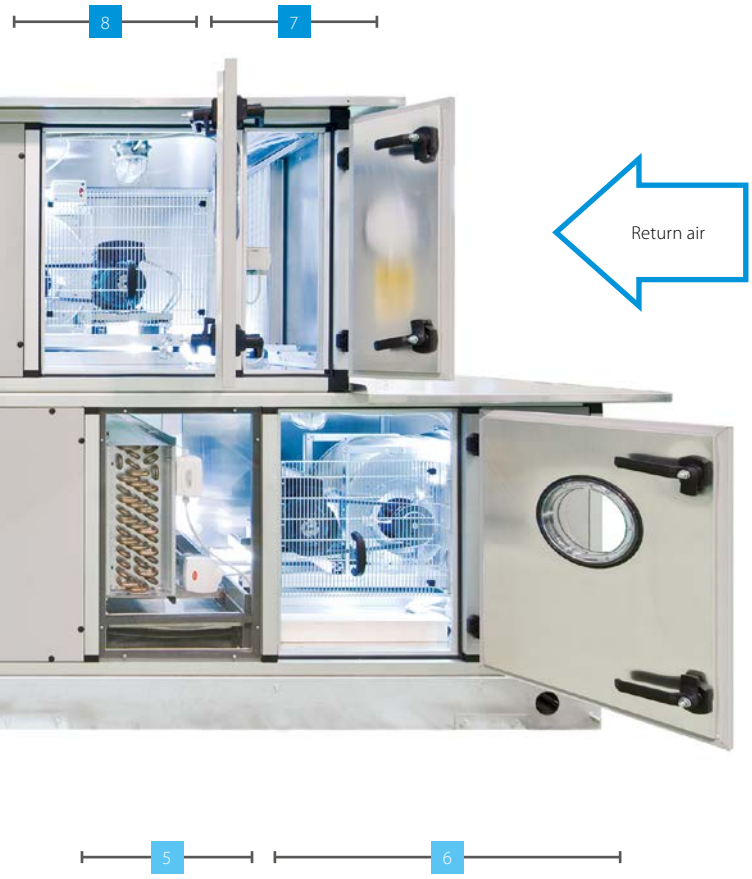
Control system on plug and play solution basis

› Air temperature control
› Chilled water and DX cooling system control
› Free cooling
› CO_2 automatic control

Unique section to section thermal break profile

› Thermal bridge free for the entire AHU
› Smooth interior surface with improved IAQ (Indoor Air Quality)





Return side

7 Bag filter with factory-mounted differential pressure manometer and hinged door.

8 Exhaust air fan (with hinged door, opening, drive monitoring, mounted and cabled lighting and ON/OFF switch)

9 Mixing box with damper and factory-mounted actuators

10 Heat recovery system (plate heat exchanger or rotary exchanger)

11 Damper section including ventilation grilles, factory-mounted actuators

Heat recovery systems
› Heat wheel, sensible or sorption
› Plate heat exchanger
› Run-around coils

Other section
› Attenuator section
› Mixing box section with actuators or manual controlled dampers
› Empty section

Filters
› Synthetic pleated filter
› Flat filter aluminium mesh
› Rigid bag filter
› Soft bag filter
› High efficiency filter
› Carbon absorption filter
› Carbon deodorizing filter

Accessories
› Control features
› Frost protection
› Manometers
› Drive guard
› Roof
› …

Professional

Flexible solution for custom applications

Flexible design

Daikin Professional air handlers are tailored to your needs, optimizing always the unit for the most cost-effective selection and manufacturing standardization.

› Air flow from 500 m^3/h up to 144,000 m^3/h.
› All the units can be modularly designed to facilitate the transport and the assembly on site.

Variable dimensioning

Size	Airflow (m^3/h)	Height - mm	Width - mm
1	1,800	640	720
2	2,200	640	810
3	3,500	740	980
4	5,400	840	1,190
5	6,600	840	1,390
6	7,600	940	1,390
7	9,000	1,090	1,380
8	11,000	1,150	1,550
9	14,000	1,270	1,720
10	18,300	1,390	1,970
11	23,800	1,570	2,190

Size	Airflow (m^3/h)	Height - mm	Width - mm
12	29,800	1,690	2,480
13	33,800	1,870	2,510
14	43,200	1,990	2,940
15	51,000	2,110	3,230
16	63,000	2,290	3,620
17	68,000	2,290	3,890
18	77,000	2,290	4,410
19	87,000	2,410	4,660
20	95,400	2,470	4,960
21	111,200	2,590	5,460
22	127,000	2,650	6,060

› 1 cm increment for width & height dimensions
› No additional cost for customized unit size
› No additional lead time

Example

Airflow (m^3/h)	Unit Size	Height (mm)	Width (mm)	Face Velocity (m/s)
47,000	Size 15	2,110	3,230	2.27
	1,920x2,720	2,110	2,950	2.5

Plug and play: More control, more flexibility

The plug and play control system allows for more precise control than ever before, allowing the user to determine a wide range of settings, resulting in excellent operational flexibility.
The factory-fitted electrical control panel, complete with Direct Digital Control (DDC) is combined with in-built temperature, humidity and CO_2 sensors to control mixing dampers, heat recovery wheels, water valves, pressure switches for filters and fans, fan motors and inverters.
All these components are wired internally and individual AHU modules are linked by fast connectors.
The AHU control system can manage the chilled water coil, hot water coil, DX cooling and/or heating coil(s) (in conjunction with ERQ/VRV) of single or multiple refrigerant circuits (up to a maximum of four circuits per DX coil).

Modular R

High-end solution with heat recovery

Energy efficiency and in-door air quality

- Predefined sizes
- IE4 premium efficiency motor
- High efficiency heat wheel (heat recovery)
- Compact design
- Advanced control features
- Easy installation
- Indoor air quality compliant with VDI 6022 hygiene guideline
- Operating limits from -25 °C, -40 °C with electric heaters, up to +46 °C ambient temperature
- VRV IV and ERQ coupling capability
- Indoor and outdoor versions
- Free cooling capability
- Economy and Night mode operation
- Monitoring and control through Daikin ITM

EC Fan

- Air flow or pressure control (Variable Air Volume - Constant Air Volume)
- Nominal air flow programmed at factory
- Silent operation

Simple, quick installation

The Modular series' Plug and play design is more than just a convenient feature for installers. It offers cost-saving benefits as there is no need for expensive adjustments before the unit is commissioned.
Plug and play makes everyone's life simpler, safer and more economical.

D-AHU Modular R			1	2	3	4	5	6	7	8	9	10
Airflow		m^3/h	1,200	1,700	2,700	4,100	5,500	6,100	7,000	9,100	11,500	15,000
Temp. efficiency winter		%	82.4	82.4	82.4	82.6	82.2	82.4	83	82.6	82.5	82.7
External static pressure	Nom.	Pa	200	200	200	200	200	200	200	200	200	200
Current	Nom.	A	2.38	3.18	1.65	2.58	3.35	3.86	4.32	5.36	7.15	9.50
Power input	Nom.	kW	0.55	0.73	1.14	1.79	2.32	2.68	2.99	3.72	4.95	6.58
SFPv		$kW/m^3/s$	1.64	1.55	1.52	1.57	1.52	1.58	1.54	1.47	1.55	1.58
Electrical supply	Phase	ph	1	1	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50
	Voltage	V	230	230	400	400	400	400	400	400	400	400
Dimensions unit	Width	mm	720	720	990	1,200	1,400	1,400	1,600	1,940	1,940	2,300
	Height	mm	1,320	1,320	1,540	1,740	1,740	1,920	1,920	2,180	2,460	2,570
	Length	mm	1,700	1,700	1,800	1,920	2,080	2,280	2,400	2,450	2,280	2,400
Weight unit		kg	325	350	475	575	750	790	950	1,330	1,410	1,750

Modular P

AHU with plate heat exchanger

Highlights

› 10 Predefined sizes
› Compliant with VDI 6022
› Operating limits from -25 C, +40°C with electric heaters
› Plug & Play Controls
› Monitoring and control through Daikin ITM
› Easy installation and commissioning

EC Fan

› Inverter driven with IE4 premium efficiency motor
› High-efficient blade profiling
› Reduced energy consumption
› Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

› Premium quality counter flow plate heat exchanger
› Up to 92% of the thermal energy recovered
› No cross contamination

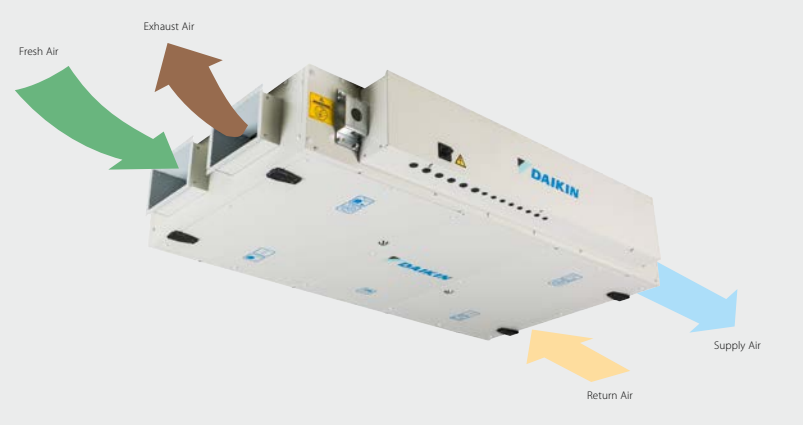
D-AHU Modular P			1	2	3	4	5	6	7	8	9	10
Airflow		m^3/h	1,100	1,600	2,400	3,100	3,700	4,750	5,500	8,000	10,400	12,500
Thermal efficiency		%	93.9	93.6	93.2	93.1	93.1	93.1	93.1	93.3	93.1	93.1
External static pressure	Nom.	Pa	200	200	200	200	200	200	200	200	200	200
Current	Nom.	A	1.75	2.51	1.28	1.67	2.09	2.69	3.04	4.14	5.88	6.97
Power input	Nom.	kW	0.40	0.58	0.89	1.15	1.45	1.86	2.11	2.87	4.07	4.83
SFPv		$kW/m^3/s$	1.32	1.30	1.33	1.34	1.41	1.41	1.38	1.29	1.41	1.39
Electrical supply	Phase	ph	1	1	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50
	Voltage	V	230	230	400	400	400	400	400	400	400	400
Dimensions unit	Width	mm	720	820	990	1,200	1,400	1,400	1,600	1,940	1,940	2,300
	Height	mm	1,320	1,320	1,540	1,740	1,740	1,920	1,920	2,180	2,460	2,570
	Length	mm	2,030	2,200	2,610	2,660	2,800	3,210	3,340	3,840	4,060	4,190
Weight unit		kg	343	358	512	604	785	852	964	1,449	1,700	2,071

Modular L

Premium efficiency heat recovery unit

Highlights

› 6 Predefined sizes
› Compliant with VDI 6022
(for unit with air flow <1000 m3/h)
› Exceeding ERP 2018 requirement
› Plug & Play Controls
› Best choice when Compactness is needed
(only 280 mm height up to 550 m³/h)
› Easy installation and commissioning



EC centrifugal fan

› Inverter driven with IE4 premium efficiency motor
› High-efficient blade profiling
› Reduced energy consumption
› Optimized SFP (Specific Fan Power) for an efficient unit operation
› Maximum ESP available 550 Pa (depending on model sizes and air-flow)

Heat exchanger

› Premium quality counter flow plate heat exchanger
› Up to 93% of the thermal energy recovered
› High grade aluminum allowing high grade corrosion protection

For integration with Sky Air and VRV units, please refer to the Modular L Smart, in the Ventilation chapter

Technical details

D-AHU Modular L			2	3	4	5	6	7
Airflow		m³/h	300	600	1200	1500	2500	3000
Heat exchanger thermal efficiency[1].		%	93	93	93	92	94	93
External static pressure	Nom.	Pa	100	100	100	100	100	100
Current	Nom.	A	0,52	1,17	1,91	2,48	4,39	5,39
Power input	Nom.	kW	0,12	0,27	0,44	0,57	1,01	1,24
SFPv[2].		kW/m³/s	1,24	1,49	1,25	1,31	1,42	1,46
ERP compliant			ErP 2018 Compliant					
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Main unit dimensions	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Rectangular duct flange	Width	mm	250	400	500	500	700	700
	Height	mm	150	200	300	300	400	400
Unit Sound Power Level (Lwa)		dB	50	57	57	53	61	58
Unit Sound Pressure Level[3].		dBA	33	39	39	35	43	40
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -10°C,90% Indoor: 22°C,50%

2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

3. EN 3744. Surrounding, Directivity (Q) = 2, @1,5m distance

Daikin fresh air package

Unique in the market

Plug and play connection of AHU to Daikin VRV and ERQ

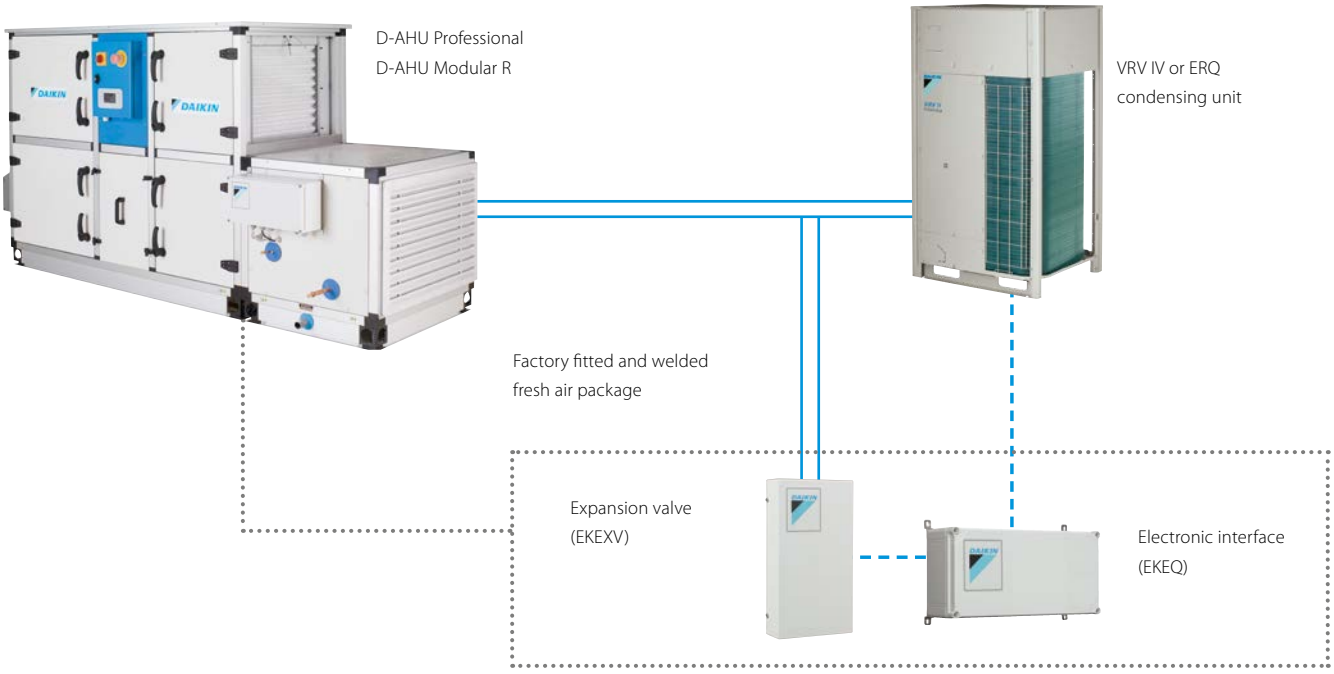
The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

Higher efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.

High comfort levels

Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resulting in high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.



For more information on the connection of VRV or ERQ DX units with air handling units refer to the chapter Ventilation & Biddle air curtains of this catalogue

Options - D-AHU Professional

Construction type		SP 65	SP 45
Profile	Anodized aluminium	standard	standard
	Anodized aluminium with thermal break	option	option
Corner	Glass fibre reinforced nylon	standard	standard
Panel insulation	Polyurethane foam density 40 kg/m³ thermal conductivity 0.022 W/m*K fire reaction class b-s2, diam. as per EN13501-1	standard	standard
	Mineral wool density 120 kg/m³ thermal conductivity 0.036 W/m*K (referred to 20°C) fire reaction class A1 as per EN 135011	option	option
External sheet material	Pre-coated galvanized steel	standard	standard
	Aluzinc	standard	standard
	Galvanized steel	option	option
	Aluminium	option	option
	AISI 316 stainless steel	option	option
Internal sheet material	Pre-coated galvanized steel	option	option
	Aluzinc	standard	standard
	Aluminium	option	option
	AISI 316 stainless steel	option	option
Base frame	Aluminium up to 30,000 m³/h	standard	standard
	Galvanized steel from 30,000 m³/h	standard	standard
Handle	Glass fibre reinforced nylon	standard	standard
Type	Compression type	standard	standard
	Hinge function type (possibility to remove door)	option	option

Customised regulation and control systems

All Modular air handling systems come with a regulation and control system (with or without connection to a BMS).

The MicroTech III controller is designed to work with most applications. It can thus manage a chilled water system or direct-expansion system while providing management of the heat recovery loop for constant or variable speeds.
This allows for precise temperature control based on P.I.D. regulation, and constantly optimises the operating parameters of the air handling unit.

- LCD display with 164 x 44 pixels.
- 3-key control panel.
- Rotating knob control for greater ease of use.
- Memory for data backups.
- Alarm relays for general types of incidents.
- Password-controlled access for configuration changes.
- Maintenance reports showing all run-time hours and general operating conditions.
- Alarm log to facilitate the analysis of incidents.

The MicroTech III controller provides the option of controlling the set-points for ambient air temperature, air return and supply air, and the possibility of regulating air quality with the addition of a CO_2 probe. For additional information about these features, please contact your Daikin representative.

The POL638 standard software has been customised to manage the control signals of Daikin's ERQ and VRV IV systems.

Daikin is a strong challenger in the refrigeration market. We can create the ideal solution for each customer's specific situation.
As our products contain the latest technologies we ensure the highest energy efficiency. Our units are rigorously tested in order to provide you reliable operation.
With the acquisition of the Zanotti, Tewis and AHT groups, we expand our refrigeration business providing a larger and more diverse product line for all aspects in the cold chain.

Refrigeration

Why choose Daikin? 642

Daikin Refrigeration Group 644

Products Overview 648

1 Plug and Play solutions for HoReCa, cold rooms and Wine rooms 650

Horizontal coolers 652

Ice cream merchandisers 656

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4 Integrated Solutions - Refrigeration with Climatization 702

Conveni-Pack + Booster 704

Mix condensing units 710

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ZEAS and Conveni-Pack 720

Zanotti 722

Inverter technology | Scroll compressor | Screw compressor | Reciprocating compressor | Swing compressor

For latest data, please consult my.daikin.eu

Why choose Daikin?

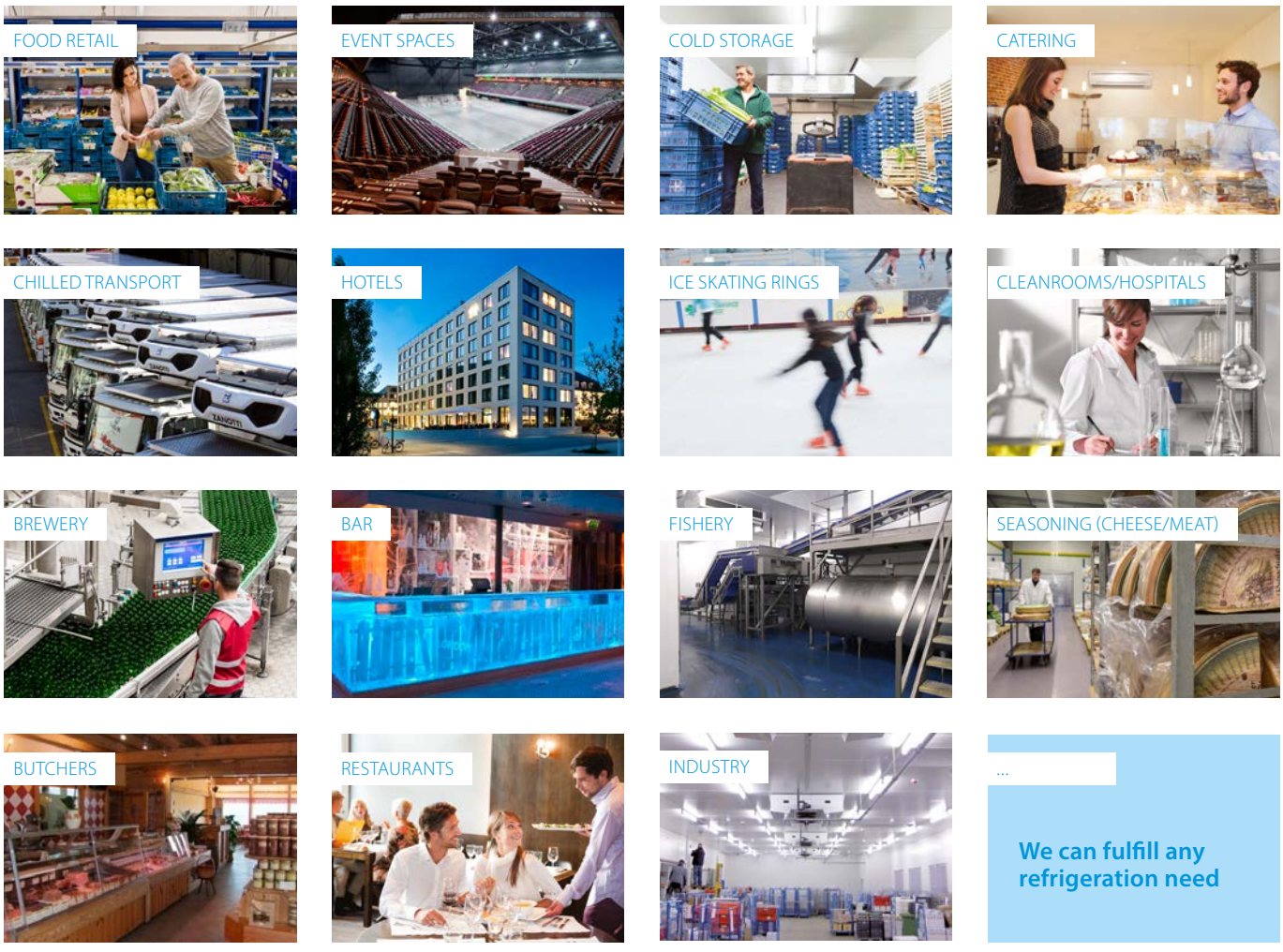
We know refrigeration inside out

- We have over 100 years of experience in the Refrigeration business.
- We can meet all refrigeration needs from farm to fork, thanks to our wide range of refrigeration products.
- Innovative and Reliable own technology and expertise on Refrigerants, controls and compressors!
- Your advisor for solutions to meet your needs in line with legislation (F-gas regulation, ecodesign,...) and with focus on reliability, safety, Total Equivalent Warming impact (see page 7) and running cost.

Controlled temperatures throughout the whole supply chain

We can meet all refrigeration needs from farm to fork

Our extended product line-up is able to provide solutions for:



Daikin Refrigeration – United in cold

HUBBARD a member of DAIKIN group

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of commercial cooling equipment and has earned an enviable Global reputation for innovation and design-led excellence.

DAIKIN

Daikin Europe N.V. is a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 5,500 employees throughout Europe and major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK. Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions.

AHT a member of DAIKIN group

AHT develops, manufactures and sells refrigerating and freezing showcases specifically suited for food retailers. Leading the "plug-in" type showcases segment, AHT leads the market by the active launch of new products corresponding to evolving store layouts. Furthermore, utilizing its technological capabilities and business resources, AHT serves large accounts which include major food retail chains worldwide.

Tewis a member of DAIKIN group

Tewis is a leading company in the design and engineering of refrigeration systems. Along with their expertise in customising controls (including monitoring), Tewis offers total comprehensive solutions for Refrigeration and Climate applications. Over the last few years, Tewis has focused on developing a range of CO_2 based refrigeration systems and has established a long-lasting relationship with key Spanish and Portuguese food retailers. Its mission and philosophy to date has been to achieve high reliability and realise remarkable energy savings for their customer base.

DAIKIN

Daikin Chemicals

Daikin Chemicals is one of the world's foremost manufacturer of fluorochemical products and is a leading expert in that field. We strive to find new possibilities for living and industry by making the most of fluorine characteristics using our own exclusively developed technologies.

ZANOTTI a member of DAIKIN group

Zanotti is a refrigeration specialist founded in 1962. With over 50 years of experience in food storing services covering the needs of commercial and industrial refrigeration, but also the needs of the transportation of fresh and frozen products. Zanotti changed the refrigeration world from the early days with the introduction of the Uniblock, an all in one plug and play refrigeration unit for cold rooms. Today they employ more than 600 people, with three production facilities and an annual turnover of approx 130 million Euro.

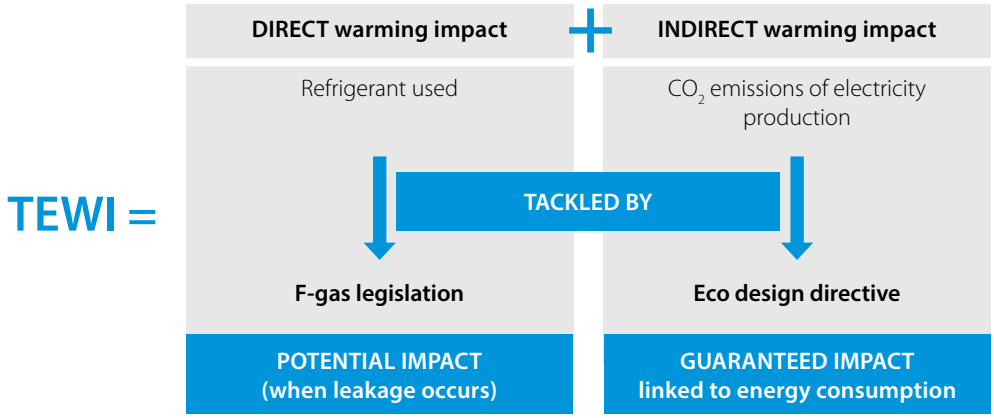
Meeting customer needs!

Depending on type of application, location and customers interest/values, the optimal refrigeration solution for the customer can potentially be different! **Thanks to our wide product portfolio, Daikin can offer what a customer really needs!**

The DNA of our Advice is:

☑ Safety and Reliability

☑ Reducing the Total Equivalent Warming Impact (TEWI)



Reduction of CO_2 emissions is one of the main priorities for the future. A refrigeration plant's global warming effect is the combination of the possible refrigerant losses (Direct warming impact) and the CO_2 emissions caused by electricity production (Indirect warming impact). Country per country situation is different, however on average in Europe CO_2 release at energy production is quite high (average 0,45kg/kwh of Electrical Energy)! Due to this, there is a significant greenhouse effect over the lifetime of the refrigeration plant and efficiency is thus one of the crucial focus points in reducing TEWI!
When various refrigeration solutions are being compared it is thus important to take into account both aspects as in some cases optimizing the direct warming impact (eg: changing refrigerant) will have an opposite effect on the indirect warming impact!

☑ Reducing your running cost

Through focus on reliability & quality, through extensive testing on each product, and energy efficiency our aim is to reduce your operational cost to the absolute minimum!

E. LECLERC, HYPERMARKET
ZEAS

BEER COOLING FACILITY,
CHILLED WITH ZEAS

EDEKA, SUPERMARKET
CONVENI-PACK (2) AND ZEAS (1)

COOMBE FISHERIES
HIGH-PERFORMANCE ZANOTTI LT REFRIGERATION EQUIPMENT

ZIGGO DOME, EVENT HALL
ZEAS FOR COOLING (6) AND FREEZING (2)

SERVICE STATION
ZEAS

Products overview

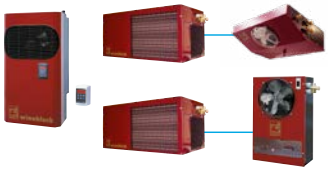
			Technology compressor		Page	Hermetic			Semi-hermetic		Capacity control			
			Application	Refrigerant		Reciprocating compressor	Rotary	Scroll	Reciprocating compressor	Screw	Varispeed	External frequency drive	DC control	Digital scroll
	Plug-in coolers suitable for HoReCa		LT / MT	R290	652-660	•					(•)			
Plug & Play solution for cold room & wine rooms	Uni-block		MT	R134a	663-665	•		•						
				R407C	663-665	•								
				R407H	663-665	•								
				R290	663-665	•								
			LT	R452A	663-665	•								
				R407F	663-665			•						
				R290	663-665	•								
	Biblock		MT	R134a	666-668	•								
			LT	R452A	666-668	•								
				R407F	666-668	•								
	WINE		HT Cooling	R134a	669-670	•								
Condensing units	Single CU (ON/OFF or INVERTER)		MT	R449A*	674-678	•		•	•		•	•		•
				R134a	674-678	•		•	•		•	•		•
				R410A	674-678			•					•	
				FGAS FREE CO2	674-678		•		•			•	•	
			LT	R449A*	674-678	•		•	•		•	•		
				R407F	674-678	•		•	•		•	•		
				R410A	674-678			•					•	
				FGAS FREE CO2	674-678		•		•			•	•	
	Twin CU		MT	R449A*	679	•		•	•		•	•		•
				R134a	679	•		•	•		•	•		•
				R410A	679			•					•	
				FGAS FREE CO2	679				•			•		
			LT	R449*	679	•		•	•		•	•		
				R407F	679	•		•	•		•	•		
				R410A	679			•					•	
	Multi CU		MT	R449A	680-682			•			•	•		•
				R410A	680-682			•					•	
				FGAS FREE CO2	680-682				•			•		
			LT	R449A	680-682			•			•	•		
				R410A	680-682			•					•	
	Booster CU (MT + LT)		MT	FGAS FREE CO2	690-691				•			•		
			LT	FGAS FREE CO2	690-691				•			•		
Compressor rack and packs	Racks		MT	R449A	694-695	•		•	•	•	•	•		•
				R134a	694-695	•		•	•	•	•	•		•
			LT	R449A	694-695	•		•	•	•	•	•		
				R407F	694-695			•	•	•	•	•		
			MT	FGAS FREE CO2	698-699				•			•		
			MT	FGAS FREE CO2	700				•			•		
			LT	FGAS FREE CO2	700				•			•		
Integrated solutions (Refrigeration and climatisation)	Conveni-pack		MT	R410A	704-708			•					•	
			LT	R410A	704-709			•					•	
			AC	R410A	704-708			•					•	
			HR + HP	R410A	704-708			•					•	
	MIX CU		AC	FGAS FREE CO2	710-711				•			•		
			MT	FGAS FREE CO2	710-711				•			•		
	MIX RACK		AC	FGAS FREE CO2	710-711				•			•		
			MT	FGAS FREE CO2	710-711				•			•		

Freezing (Low temperature)
(-20°C / +35°C)
Chilling (Medium temperature)
(0°C / +35°C)
Cooling (High Temperature)
(+20°C/+10°C)
Heating
Cooling capacity (kW)
10
100
200
500
NA
NA
NA
NA
NA
0.8-11.8
1.1-1.9
0.8-3.7
1.2-5.7
0.6-54.0
2.6-8.1
0.8-2.6
0.8-13.8
0.6-4.8
4.4-11.8
0.7-2.3
1.0-77.2
1.0-69.6
3.0-15.2
3.2-40.0
0.4-28.1
0.5-23.7
2.8-6.5
1.5-8.0
8.1-27.9
6.3-25.8
9.9-26.5
15.4-47.5
5.7-19.0
5.1-17.7
4.2-10.7
45.6-183.4
17.0-75.8
36.0-119.7
13.1-70.7
7.0-29.6
18.0-90.0
8.0-30.0
1.6-295.0
0.7-233.0
0.4-89.7
0.5-88.8
30.0-512.0
30.0-400.0
15.0-240.0
13.7-22.8
3.5-7.0
14.0-26.8
16.8-42.0
18.0-150.0
15.0-220.0
18.0-150.0
15.0-220.0

Plug and Play solutions

for cold rooms and wine rooms

Model	Product name	
Horizontal coolers	Paris Macao Malta	
Ice cream merchandisers	RIO H RIO S	
Promotion display coolers	Air curtain GD XL/XLS Coolbox	

Model	Product name	Capacity (kW)	0	1	2	3,5	5	10	15	25	35
Uni-block system for wall mounted installation (optional through-wall) in small and medium sized cold rooms R-290 Propane natural refrigerant	(M)GM			R-290 R-452A R-290							
Uni-block system for roof mounted installation in small and medium sized cold rooms R-290 Propane natural refrigerant	(M)SB			R-290 R-452A R-134A R-290							
Uni-block system for wall mounted installation in medium sized cold rooms	AS										
Bi-block system for wall mounted installation	GS										
Bi-block system for floor standing or roof mounted installation with capillary expansion system	SP-O										
Bi-block system for floor standing or roof mounted installation with thermostatic expansion valve	DB-O										
Wineblock	RCV / RDV										

Freezing (Low temperature) (-20° C / +35°C)

Chilling (Medium temperature) (0° C / +35°C)

Cooling (High Temperature) (+20° C/+10°C)

HoReCa range

Plug in, Refrigerate, Sell more!

Daikin proudly presents the newest member of the Daikin Refrigeration family

AHT develops, manufactures and sells refrigerating and freezing showcases specifically suited for food retailers. Leading the "plug-in" type showcases segment, AHT leads the market by

The active launch of new products corresponding to evolving store layouts. Furthermore, utilizing its technological capabilities and business resources, AHT serves large accounts which include major food retail chains worldwide.

Newly launched range suitable for HoReCa

A comprehensive range of plug in products, suitable for the HoReCa segment

Offering a lot of selling power in a small space

1. Horizontal freezers

› Redefining economy and lifting product presentation to a new level
› Maximizing your sales space, minimizing maintenance

2. Ice cream merchandisers

› Excellent product visibility due to low cabinet height

3. Promotion display coolers

› Style and function combined: Elegant design to boost your sales

1

2

3

AHT a member of DAIKIN group

Integral freezer and chiller cabinets

The chiller and freezer unit that maximizes your product display

- High energy-saving can be achieved in comparison to conventional open units
- Environmentally friendly with natural refrigerant propane (GWP 3)
- Brilliant LED lighting system to enhance product display & help drive sales
- Intelligent fan motor providing more further energy savings, typically 0.5 kWh daily
- Plug in models, requiring no additional installation
- Virtually maintenance-free refrigeration system
- Easy clean and hygienic food safe synthetic interior casings

Flexible location options for Paris

- ☑ Can be used as a stand alone unit
- ☑ Can be used in a line up
- ☑ Can be used as an island
- ☑ Maximizes the use of floor space with an end cabinet
- ☑ Can be either installed below shelving or integrated into existing shelving systems

EU and UK models have same specs but different electricity plugs.

					PARIS	145_EU_403751	145_UK_403775	185_UK_403776	185_EU_403752	210_EU_403753	210_UK_403777	250_UK_403778	250_EU_403754
Classification acc. EN 23953-2						L1							
Climate class acc. EN 23953-2						3							
Energy efficiency index EEI					%	39.1		38.0		34.6		32.5	
Use						Display & Sale							
Dimensions	Gross content				l	609		807		936		1,136	
	Net content				l	420		568		660		808	
	Total display area (TDA)				m^2	0.83		1.03		1.27		1.54	
	Length	Outside			mm	1,457		1,854		2,102		2,502	
		Inside			mm	1,328		1,723		1,973		2,373	
	Depth	Outside			mm	853							
		Inside			mm	723							
	Height	Outside	front		mm	770							
		Outside	rear		mm	833							
		Inside	front		mm	655							
		Inside	rear		mm	705							
	Stacking height		front		mm	550							
			rear		mm	550							
Net weight					kg	95		120		136		155	
Gross weight					kg	101		130		147		166	
Operation range	Ambient temperature		Min.		°C	16							
			Max.		°C	25							
	Relative humidity				%	60 or less							
	Product temperature		Min.		°C	-23							
			Max.		°C	-18							
	Sound pressure in 1m distance				dB(A)	43.6							
	Blowing agent					R-601 (HC) GWP 5							
Daily energy consumption	Edaily				kWh/day	5.40		6.10		6.50		7.10	
Annual energy consumption	AE				kWh/a	1,971.00		2,226.50		2,372.50		2,591.50	
HVAC	Rejected heat capacity				W	225		254		271		296	
	Dehumidification				Liter/day	0							
Refrigerant	Type					R-290							
	GWP					3							
	Charge				g	80		90		100		110	
	Max. allowable operating pressure				bar	30							
Power supply	Voltage				V	220-240							
	Frequency				Hz	50							
	Nominal power acc. EN 60335-2-89				W	460							
	Nominal power during defrost				W	900							
	Nominal current during defrost				A	3.9							
	Nominal power LED				W	28		29		39		46	
	Fuse protection					RCBO, 30mA, C16							
	Defrost heater power				W	0							
	Cord length				mm	2,400							

With process-related interior fitting | Energy test results are declared for climate class 3, test procedure according to EN 23953-2 (initial door openings, 12h LED switched on with door openings, one defrost per day)
Chiller cabinets only on request

All round visibility booster

Uniting latest technology and brilliant design

- Extremely low energy consumption due to RPM regulated compressor technology and electronic energy-saving fan
- Use of natural and efficient refrigerant R290 (propane)
- AHT e-conomize: Additional energy saving potential due to extensive optimization of technology and construction
- Convincingly efficient: the island chest freezer and chiller MACAO impresses with smart, up-to-date technical features, maximum energy efficiency and a new dimension of sales potency
- Sales-boosting product visibility thanks to glass panels on all four sides
- Improved ease of use thanks to semi-automatic defrosting and easy-to-clean plastic bin
- Attractive LED interior lighting
- Robust, smooth-running, single-piece and fully extrusion-coated glass sliding lids (lockable)

EU and UK models have same specs but different electricity plugs.

					MACAO	100_EU_403755	100_UK_403779	145_EU_403756	145_UK_403780	210_EU_403757	210_UK_403781
Classification acc. EN 23953-2					L1						
Climate class acc. EN 23953-2					3						
Energy efficiency index EEI				%		54.3		46.9		40.7	
Use					Display & Sale						
Dimensions	Gross content			l		338		500		763	
	Net content			l		156		241		362	
	Total display area (TDA)			m^2		0.49		0.76		1.13	
	Length	Outside		mm		999		1,455		2,100	
		Inside		mm		872		1,328		1,973	
	Depth	Outside		mm		850					
		Inside		mm		723					
	Height	Outside	front	mm		900					
		Outside	rear	mm		925					
		Inside	front	mm		523					
		Inside	rear	mm		523					
	Stacking height		front	mm		280					
			rear	mm		280					
Net weight				kg		103		122		167	
Gross weight				kg		126		130		175	
Operation range	Ambient temperature		Min.	°C		16					
			Max.	°C		25					
	Relative humidity			%		60 or less					
	Product temperature		Min.	°C		-23					
			Max.	°C		-18					
	Sound pressure in 1m distance			dB(A)		43.6					
	Blowing agent					R-601 (HC) GWP 5					
Daily energy consumption	Edaily			kWh/day		5.40		6.10		7.00	
Annual energy consumption	AE			kWh/a		1,971.00		2,226.50		2,555.00	
HVAC	Rejected heat capacity			W		225		254		292	
	Dehumidification			Liter/day		0					
Refrigerant	Type					R-290					
	GWP					3					
	Charge			g		70		100		110	
	Max. allowable operating pressure			bar		30					
Power supply	Voltage			V		220-240					
	Frequency			Hz		50					
	Nominal power acc. EN 60335-2-89			W		400					
	Nominal power during defrost			W		900					
	Nominal current during defrost			A		3.9					
	Nominal power LED			W		17		25		34	
	Fuse protection					RCBO, 30mA, C16					
	Defrost heater power			W		0					
	Cord length			mm		2,400					

(1) - Energy test results are declared for climate class 3, test procedure according to EN 23953-2 (initial door openings, 12h LED switched on with door openings, one defrost per day)
(2) - With process-related interior fitting

AHT a member of DAIKIN group

Integral freezer and chiller cabinets

Create a greater impact for your customers, as they benefit from all round product visibility enhanced with LED lighting

- 100 % CFC and PFC free
- Ready to plug in
- Guaranteeing the quality of the frozen goods thanks to constant internal temperature and high power reserves
- Intelligent fan motor for more energy efficiency – saves approximately 0,5 kWh daily
- Brilliant LED lighting system
- Higher energy-saving
- Improved display area with optimum useful load
- Easy access from both sides
- Low investment and operating costs
- Maintenance-free
- Environmentally friendly with natural refrigerant propane

EU and UK models have same specs but different electricity plugs.

					MALTA	145_EU_403758	145_UK_403782	185_EU_403759	185_UK_403783
Classification acc. EN 23953-2						L1			
Climate class acc. EN 23953-2						3			
Energy efficiency index EEI					%	52.9			
Use						Display & Sale			
Dimensions	Gross content				l	603		795	
	Net content				l	425		571	
	Total display area (TDA)				m^2	0.73		0.99	
	Length	Outside			mm	1,456		1,851	
		Inside			mm	1,328		1,723	
	Depth	Outside			mm	855			
		Inside			mm	723			
	Height	Outside	front		mm	770			
		Outside	rear		mm	833			
		Inside	front		mm	655			
		Inside	rear		mm	655			
	Stacking height		front		mm	550			
			rear		mm	550			
Net weight					kg	103			
Gross weight					kg	110			
Operation range	Ambient temperature		Min.		°C	16			
			Max.		°C	25			
	Relative humidity				%	60 or less			
	Product temperature		Min.		°C	-23			
			Max.		°C	-18			
	Sound pressure in 1m distance				dB(A)	43.6			
	Blowing agent					R-601 (HC) GWP 5			
Daily energy consumption	Edaily				kWh/day	6.70		7.30	
Annual energy consumption	AE				kWh/a	2,445.50		2,664.50	
HVAC	Rejected heat capacity				W	279		304	
	Dehumidification				Liter/day	0			
Refrigerant	Type					R-290			
	GWP					3			
	Charge				g	80		90	
	Max. allowable operating pressure				bar	30		30	
Power supply	Voltage				V	220-240			
	Frequency				Hz	50			
	Nominal power acc. EN 60335-2-89				W	460			
	Nominal power during defrost				W	900			
	Nominal current during defrost				A	3.9			
	Nominal power LED				W	20		25	
	Fuse protection					RCBO, 30mA, C16			
	Defrost heater power				W	0			
	Cord length				mm	2,400			

(1) - Energy test results are declared for climate class 3, test procedure according to EN 23953-2 (initial door openings, 12h LED switched on with door openings, one defrost per day)
(2) - With process-related interior fitting

Ice cream freezer - horizontal: with flat glass sliding lids

More volume, more sales. A range of freezers to meet all circumstances

- Excellent product visibility due to low cabinet height
- Ready to plug in
- Easy-to-move, 2-part, flat glass sliding lids with the proven and patented injected, one-piece AHT lid frame
- Environmentally friendly with natural refrigerant
- 100 % CFC and PFC free
- Low energy consumption
- Adjustable thermostat
- Intelligent fan motor for more energy efficiency – saves approximately 0,5 kWh daily
- Reinforced insulation (72 mm) for reserve refrigeration and low energy consumption
- Inner container made of white, pre-painted, galvanised sheet metal
- Outer-skin condenser – no dirt, no maintenance
- Modular system: same height and depth, different lengths available
- Suitable for climate class 3 to climate class 7
- Supplied in robust packaging (undersliding)
- Freezing: –14 °C to –23 °C

					RIO H	68_EU_403766	100_EU_403767	125_EU_403768	150_EU_403769
Classification acc. EN 23953-2						7			
Climate class acc. EN 23953-2						L1			
Energy efficiency index EEI					%	41.2	33.9	41.0	44.4
Use						Display & Sale			
Dimensions	Gross content				l	147	262	352	422
	Net content				l	117	215	291	367
	Total display area (TDA)				m²	0.29	0.46	0.59	0.73
	Length	Outside			mm	680	1,000	1,250	1,500
		Inside			mm	530	850	1,100	1,350
	Depth	Outside			mm	650			
		Inside			mm	500			
	Height	Outside			mm	880			
	Stacking height				mm	610			
Net weight					kg	51	63	71	79
Gross weight					kg	55	67	76	84
Operation range	Ambient temperature		Min.		°C	16			
			Max.		°C	35			
	Relative humidity				%	75			150
	Product temperature		Min.		°C	-23			
			Max.		°C	-14			
	Sound pressure in 1m distance				dB(A)	39		40	
	Blowing agent					R-601 (HC) GWP 5			
Daily energy consumption	Edaily				kWh/day	2.0 / 3.0 / 1.4	2.5 / 3.8 / 1.6	2.8 / 4.0 / 1.8	3.7 / 4.8 / 2.2
Annual energy consumption	AE				kWh/a	474.50	511.00	730.00	912.50
HVAC	Rejected heat capacity				W	54	58	83	104
	Dehumidification				Liter/day	0			
Refrigerant	Type					R290 / R4014A / R600a			
	GWP					5			
	Charge				g	50 / 100 / 50	60 / 120 / 60	70 / 140 / 70	75 / 150 /75
	Max. allowable operating pressure				bar	30			
Power supply	Voltage				V	220-240			
	Frequency				Hz	50			
	Nominal power acc. EN 60335-2-89				W	240 / 230 / 120		280 / 250 / 140	300 / 350 / 160
	Nominal power during defrost				W	240		280	300
	Nominal current during defrost				A	2.1 / 1.6 / 0.7		2.3 / 1.7 / 0.9	2.5 / 2.4 / 1.1
	Nominal power LED				W	no light			
	Fuse protection				A	16			
	Defrost heater power				W	220-240			
	Cord length				mm	1750			

AHT a member of DAIKIN group

Ice cream freezer - horizontal: with curved glass sliding lids

More volume, more sales. A range of freezers to meet all circumstances

- Excellent product visibility due to low cabinet height
- Ready to plug in
- Easy-to-move, 2-part, flat glass sliding lids with the proven and patented injected, one-piece AHT lid frame
- Environmentally friendly with natural refrigerant
- 100 % CFC and PFC free
- Low energy consumption
- Brilliant LED lighting system which enhances product display, drives sales and reduces maintenance
- Adjustable thermostat
- Intelligent fan motor for more energy efficiency – saves approximately 0,5 kWh daily
- Reinforced insulation (72 mm) for reserve refrigeration and low energy consumption
- Inner container made of white, pre-painted, galvanised sheet metal
- Outer-skin condenser – no dirt, no maintenance
- Modular system: same height and depth, different lengths available
- Suitable for climate class 3 to climate class 7
- Supplied in robust packaging (undersliding)
- Freezing: –14 °C to –23 °C

					RIO S	68_EU_403770	100_EU_403771	125_EU_403772	150_EU_403773	175_EU_403774
Classification acc. EN 23953-2						7				
Climate class acc. EN 23953-2						L1				
Energy efficiency index EEI					%	49.8	45.1	50.5	57.3	62.5
Use						Display & Sale				
Dimensions	Gross content				l	132	238	322	405	488
	Net content				l	102	190	258	327	396
	Total display area (TDA)				m²	0.31	0.50	0.64	0.78	0.92
	Length	Outside			mm	680	1,000	1,250	1,500	1,750
		Inside			mm	530	850	1,100	1,350	1,600
	Depth	Outside			mm	650				
		Inside			mm	500				
	Height	Outside	front		mm	880				
		Outside	rear		mm	766				
	Stacking height		front		mm	530				
			rear		mm	570				
Net weight					kg	49	59	66	74	81
Gross weight					kg	53	63	71	79	87
Operation range	Ambient temperature		Min.		°C	16				
			Max.		°C	35				
	Relative humidity				%	75				
	Product temperature		Min.		°C	-23				
			Max.		°C	-14				
	Sound pressure in 1m distance				dB(A)	39		40		43
	Blowing agent					R-601 (HC) GWP 5				
Daily energy consumption	Edaily				kWh/day	2.3 / 3.0 / 1.5	2.6 /4.1 / 1.8	3.5 / 4.4 / 2.1	4.6 / 5.4	6.4 / 7.2
Annual energy consumption	AE				kWh/a	547.50	638.75	839.50	1095.00	1350.50
HVAC	Rejected heat capacity				W	63	73	96	125	154
	Dehumidification				Liter/day	0				
Refrigerant	Type					R290 / R404A / R600a			R290 / R404A	
	GWP					5				
	Charge				g	50 / 100 / 50	60 / 130 / 60	70 / 140 / 70	75 / 150	80 / 170
	Max. allowable operating pressure				bar	30				
Power supply	Voltage				V	220-240				
	Frequency				Hz	50				
	Nominal power acc. EN 60335-2-89				W	240 / 230 / 120	280 / 250 / 140	300 / 350 / 160	320 / 410	370 / 460
	Nominal power during defrost				W	240	280	300	320	370
	Nominal current during defrost				A	2.1 / 1.6 / 0.7	2.3 / 1.7 / 0.9	2.5 / 2.4 / 1.1	2.8 / 2.7	3.7 / 3.4
	Nominal power LED				W	12	18	25	32	40
	Fuse protection				A	16				
	Defrost heater power				W	220-240				
	Cord length				mm	1750				

Air curtain display cooler

For perfect merchandise presentation

- Air curtain for optimum cooling efficiency
- Energy efficient
- Low maintenance condenser
- Cooling cassette system
- Cassette replacement within 15 minutes (easy service)
- Night blind to save energy consumption (reed switch)
- Inside light
- Plug-in refrigeration
- Automatic defrost and condensate water evaporation
- Shelf supports can be fixed in inclined position
- Use of natural and efficient refrigerant R290 (propane)
- 100 % CFC and PFC free

EU and UK models have same specs but different electricity plugs.

				AC	S_UK_403784	M_UK_403785	M_EU_403761	W_UK_403786	S_EU_403760	W_EU_403762
Classification acc. EN 23953-2					M2					
Climate class acc. EN 23953-2					3					
Energy efficiency index EEI				%	42.5	38.6		48.6	42.5	48.6
Use					Display & Sale					
Dimensions	Gross content			l	245	463	463	325	245	325
	Net content			l	190	324	324	250	190	250
	Total display area (TDA)			m^2	1.00	1.72	1.72	1.20	1.00	1.20
	Length	Outside		mm	706	716		914	706	914
	Depth	Outside		mm	766	771			766	
	Height	Outside		mm	1,495	1,973			1,495	
	Shelf depth			mm	1 x 388, 2 x 321					
Net weight				kg	144	152		135	144	135
Gross weight				kg	135	165		150	135	150
Operation range	Ambient temperature		Min.	°C	16					
			Max.	°C	25					
	Relative humidity			%	60 or less					
	Product temperature		Min.	°C	-1					
			Max.	°C	7					
	Sound pressure in 1m distance			dB(A)	52.8	53.3		52.3	52.8	52.3
	Blowing agent				R-601 (HC) GWP 5					
Daily energy consumption	Edaily			kWh/day	8.50	10.50		10.70	8.50	10.70
Annual energy consumption	AE			kWh/a	3,102.50	3,832.50		3,905.50	3,102.50	3,905.50
HVAC	Rejected heat capacity			W	354	438		446	354	446
	Dehumidification			Liter/day	0					
Refrigerant	Type				R-290					
	GWP				3					
	Charge			g	140					
	Max. allowable operating pressure			bar	30					
Power supply	Voltage			V	220-240					
	Frequency			Hz	50					
	Nominal power acc. EN 60335-2-89			W	680	880		850	680	850
	Nominal current acc. EN 60335-2-89			A	3.5	5.2		5.0	3.5	5.0
	Nominal power LED			W	18	25		18		
	Fuse protection				RCBO, 30mA, C16					
	Cord length			mm	2,500					

(1) - Energy test results are declared for climate class 3, test procedure according to EN 23953-2, use of night blind for 12h, light on for 12h
(2) - With process-related interior fitting

Glass door merchandiser

For better product visibility

- Illuminated led header for maximum branding opportunities and horizontal led lighting for better product visibility
- Slim design ideal for in aisle retail placement
- Low profile, hinged door system
- Electronic temperature control with digital read out
- Spiral condenser helps improve performance and reduces maintenance time
- Low profile fixed rollers allow easy movement

EU and UK models have same specs but different electricity plugs.

					GD_XLS_UK_403788	GD_XLS_EU_403764	GD_XL_EU_403763	GD_XL_UK_403787
Classification acc. EN 23953-2					M1		M2	
Climate class acc. EN 23953-2					6		3	
Energy efficiency index EEI				%	20.5		21	
Use					Display & Sale			
Dimensions	Gross content			l	713		1,060	
	Net content			l	372		770	
	Total display area (TDA)			m^2	1.82		2.3	
	Length	Outside		mm	1,195			
	Depth	Outside		mm	655		928	
	Height	Outside		mm	1,973			
Net weight				kg	181		227	
Gross weight				kg	210		253	
Operation range	Ambient		Min.	°C	16			
	temperature		Max.	°C	27		25	
	Relative humidity			%	70 or less			
	Product temperature		Min.	°C	-1		2	
			Max.	°C	5		7	
	Sound pressure in 1m distance			dB(A)	50		53	
	Blowing agent				R-601 (HC) GWP 5			
Daily energy consumption	Edaily			kWh/day	5.80		7.70	
Annual energy consumption	AE			kWh/a	2,117.00		2,810.50	
HVAC	Rejected heat capacity			W	242		321	
	Dehumidification			Liter/day	0			
Refrigerant	Type				R-290			
	GWP				3			
	Charge			g	120		150	
	Max. allowable operating pressure			bar	30			
Power supply	Voltage			V	220-240			
	Frequency			Hz	50			
	Nominal power acc. EN 60335-2-89			W	390		1,700	
	Nominal current acc. EN 60335-2-89			A	2.2		7.6	
	Nominal power LED			W	50		40	
	Fuse protection				RCBO, 30mA, C16		FI-LS, 30mA,C16	
	Cord length			mm	3,000		3,100	

(1) - Energy test results are declared for climate class 3, test procedure according to EN 23953-2
(2) - With process-related interior fitting

Promotion cooler

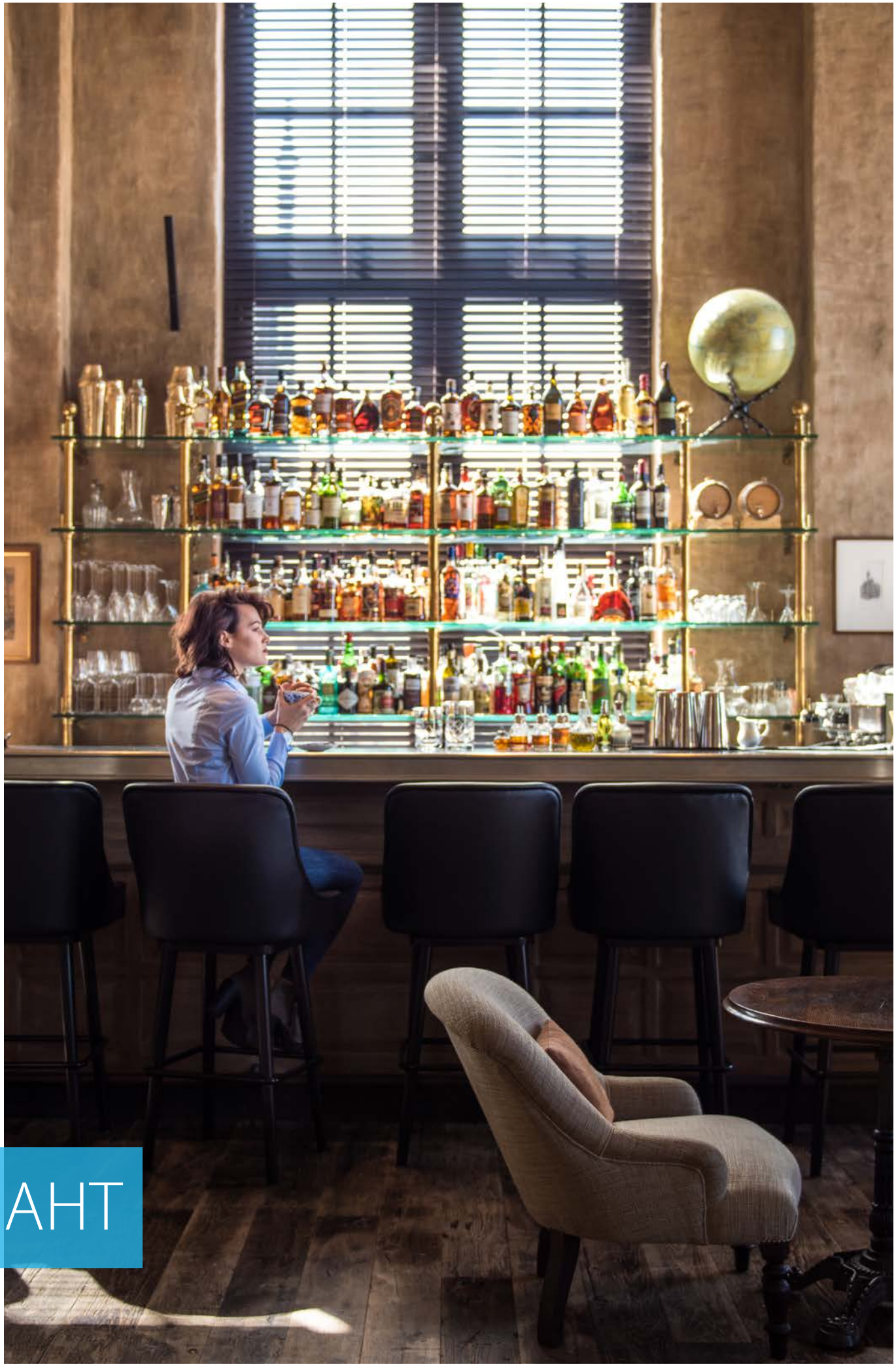
Maximum mobility and merchandise presentation with a high „cool factor“

- Presentation of snacks and beverages
- Sales-supporting promotion of complementary product groups
- High capacity
- COOLBOX generates high revenues with low space requirements – especially with fast-moving products
- Plug, chill & sell – immediately ready for use
- Unique condensate technology
- Multi functional usage
- 100% environment- & climate-friendly

EU and UK models have same specs but different electricity plugs.

				CB	CB124_EU_403765	CB124_UK_403789
Classification acc. EN 23953-2					H1	
Climate class acc. EN 23953-2					3	
Energy efficiency index EEI				%	43.5	
Use					Display & Sale	
Dimensions	Gross content			l	1,034 (0.000)	
	Net content			l	766 (2.000)	
	Total display area (TDA)			m^2	3.00 (2.000)	
	Length	Outside		mm	1,240	
		Inside		mm	1,180	
	Depth	Outside		mm	885	
		Inside		mm	640	
	Height	Outside		mm	2,150	
		Inside		mm	1,420	
	Shelf depth			mm	450	
Net weight				kg	346 (2.000)	
Gross weight				kg	374 (2.000)	
Operation range	Ambient temperature		Min.	°C	16	
			Max.	°C	25	
	Relative humidity			%	60 or less	
	Product temperature		Min.	°C	1	
			Max.	°C	10	
	Sound pressure in 1m distance			dB(A)	43.6	
	Blowing agent				R-601 (HC) GWP 5	
Daily energy consumption	Edaily			kWh/day	17.40 (1.000)	
Annual energy consumption	AE			kWh/a	6,351.00	
HVAC	Rejected heat capacity			W	725	
	Dehumidification			Liter/day	0	
Refrigerant	Type				R-290	
	GWP				3	
	Charge			g	150	
	Max. allowable operating pressure			bar	30	
Power supply	Phase				1N~	
	Voltage			V	220-240	
	Frequency			Hz	50	
	Nominal power acc. EN 60335-2-89			W	1,700	
	Nominal current acc. EN 60335-2-89-			A	7.5	
	Nominal power LED			W	70	
	Fuse protection				RCBO, 30mA, C16	
	Cord length			mm	3,500	

With process-related interior fitting | Energy test results are declared for climate class 3, test procedure according to EN 23953-2, use of night blind for 12h, light on for 12h



AHT

Zanotti

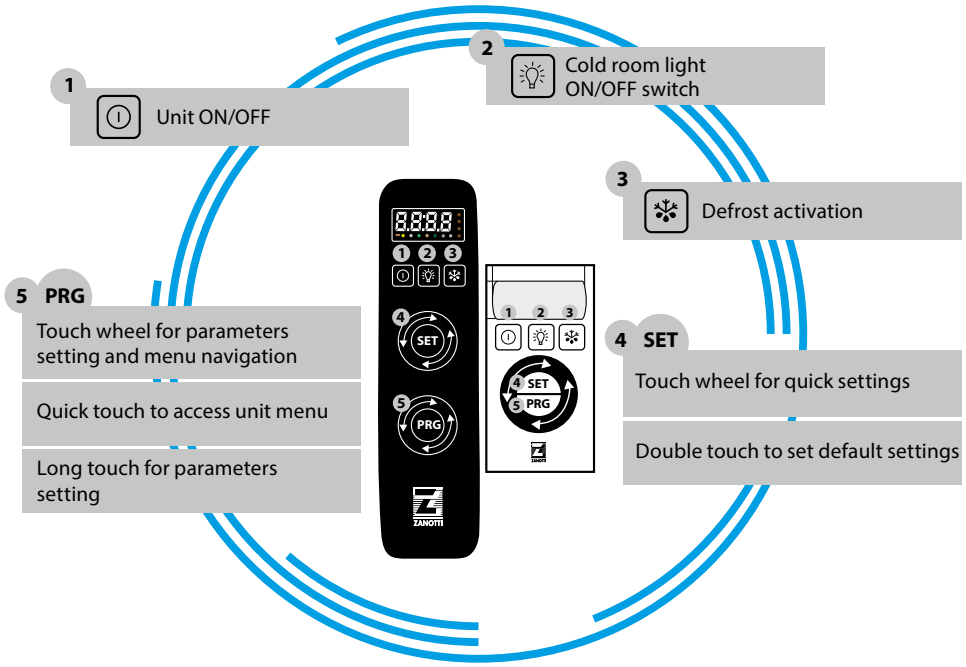
Touch control

Zanotti presents the new "Touch Screen" control panel for GM monobloc units and GS split units. This new one User interface consists of keypad and display and allows easy access to all manual functions of the units.

The control of the refrigeration cycle, switching the unit on and off, the lighting in the cold room, activating the manual defrost process and setting the parameters are the features that are more intuitive with the new keyboard.

GM Monoblock Unit

GS Split Unit



for two units in a cold storage cell
ALTERNATIVE REMOTE CONTROL

› For cold rooms where it is required by law to maintain a certain temperature (Products for hospitals, Pharmaceutical products) for safety and control it is necessary to install 2 units in the same cold room, so that they can always be working in alternate hours - when one is off, the other unit is working.

› If an aggregate in full function gets blocked, the second aggregate starts automatically. When the temperature for remote controls with thermostat is not achieved for a certain period of time (product feed, open cell door for longer period of time,...), the unit changes into the standby function.

› Remote control for two aggregates. Adjustable timer for alternate operation.
› In case of device failure of one the refrigeration units, the control can be switched on the other unit nearby. Alarm message through Lamp and buzzer.
› Thermostat for Safety at high Temperatures in the cold room (only with models with Thermostat).

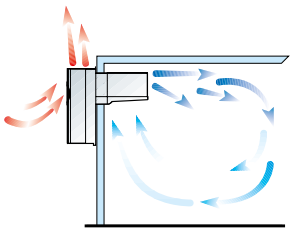
Uni-block system for low and medium temperature refrigeration

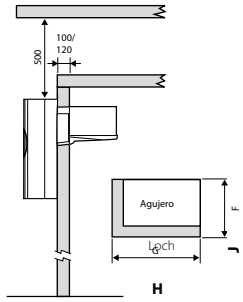
For wall mounted installation in small and medium sized cold rooms

- Rapid mounting on the wall of the cold room by straddle-mounting, which is ideal for both new installations and refurbishment projects
- Metallic grey coloured finish of the outdoor unit
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Compressor compartment insulated with suitable soundproofing material to reduce sound levels
- Microchannel condensers available in order to reduce the refrigerant charge as much as possible and ensuring higher energy efficiency
- The units are provided with a new generation control panel with an easy-to-use interface

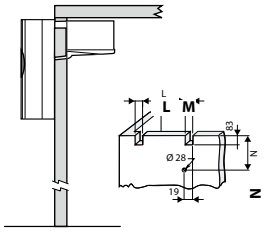
GM

Installation type

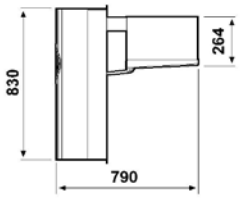


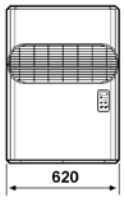


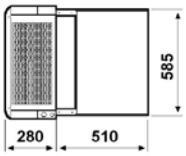
Through- wall model



Straddle model







Low temperature refrigeration				GM	BGM110 DA11XA	BGM0870 Y1AA	BGM112 DA11XA	BGM117 DA11XA	BGM218 DA11XA	BGM220 DB11XA	BGM330 DB11XA
Refrigerating capacity	Low temperature	R-290	Nom	kW	-	0.87 (1)			-		
		R-452A	Nom	kW	0.679 (1)	-	0.889 (1)	1.080 (1)	1.336 (1)	1.688 (1)	2.349 (1)
Dimensions	Unit	HeightxWidthxDepth		mm	735x400x790				830x620x790		830x620x862
	Packed unit	HeightxWidthxDepth		mm	942x450x850				1,050x670x850		1,050x670x940
Weight	Unit			kg	56	64			80		105
	Packed unit			kg	67	75			96		122
Compressor	Type				Hermetic Reciprocating						
	Nominal power			kW	0.74	0.9		1.3		1.5	2.2
	Starting method				Direct						
Condenser	Air flow			m^3/h	600	720	600		1,200		1,500
Defrost					Hot gas						
Evaporator	Air flow			m^3/h	600	672	600		1,200		1,500
	Air throw			m	4						10
Operation range	Cold room temperature	Min. ~Max.		°C	-25~-15						
Refrigerant	Type/GWP				R-452A/2,141	R-290/3	R-452A/2,141				
	Charge			kg/TCO_2Eq	0.38/0.81	0.15/0.0000	0.34/0.73	0.35/0.75	0.86/1.84	0.84/1.80	0.98/2.10
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					3N~/50/400	

Medium temperature refrigeration				GM	MGM103 EA11XA	MGM105 EA11XA	MGM106 EA11XA	MGM128 0Y1AA	MGM107 EA11XA	MGM110 EA11XA	MGM211 EA11XA	MGM221 0Y1AA	MGM212 EB11XA	MGM213 EB11XA	MGM315 EB11XA	MGM320 EB11XA
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.855 (2)	0.978 (2)	1.120 (2)	-	1.315 (2)	1.351 (2)	1.806 (2)	-	2.034 (2)	2.175 (2)	3.079 (2)	3.351 (2)
		R-290	Nom	kW	-			1.31 (2)	-			2.18 (2)	-			
Dimensions	Unit	HeightxWidthxDepth		mm	735x400x790						830x620x790				830x620x682	
	Packed unit	HeightxWidthxDepth		mm	942x450x850						1,050x670x850				1,050x670x940	
Weight	Unit			kg	52	53	56			64	80				98	100
	Packed unit			kg	63	64	67			75	96				115	
Compressor	Type				Hermetic Reciprocating											
	Starting method				Direct											
Condenser	Air flow			m^3/h	600						1,200	-	1,200		1,500	
Defrost					Hot gas											
Evaporator	Air flow			m^3/h	600						1,200	1,125	1,200		1,800	
	Air throw			m	4										10	
Operation range	Cold room temperature	Min. ~Max.		°C	-5~10											
Refrigerant	Type/GWP				R-134a/1,430			R-290/3	R-134a/1,430			R-290/3	R-134a/1,430			
	Charge			kg/TCO_2Eq	0.40/0.57	0.43/0.61	0.15/0.00	0.33/0.47	0.40/0.57	0.71/1.02		0.15/0.00	0.70/1.00	0.75/1.07	0.95/1.36	1.00/1.43
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230								3N~/50/400			

(1) When normally running: -20°C / +30°C (2) When normally running: 0°C / +30°C

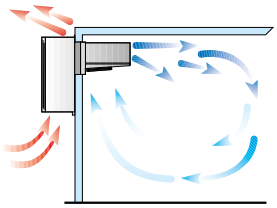
Uni-block system for low and medium temperature refrigeration

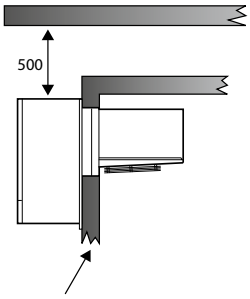
For wall mounted installation in medium sized cold rooms

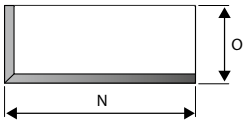
- Rapid mounting on the wall of the cold room by through-wall mounting
- Extremely fast to assemble, reducing installation time and cost
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Very compact and very efficient
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements

AS

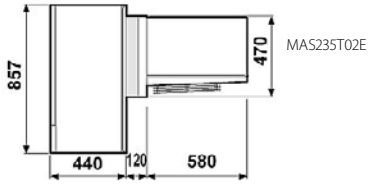
Installation type



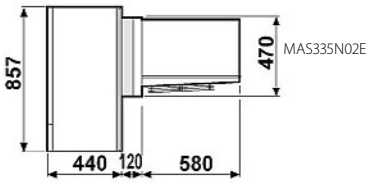




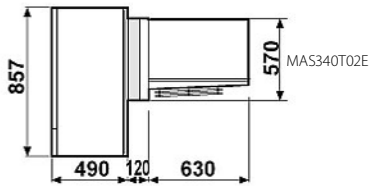
Drain pan connection: Ø 18 (AS235), Ø 22 (AS335-AS340)



MAS235T02E



MAS335N02E



MAS340T02E

Low and medium temperature refrigeration				AS	MAS235T02E	MAS335N02E	MAS335T02E	MAS340T02E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	4.981 (1)	6.988 (1)	8.290 (1)	10.664 (1)
Dimensions	Unit	Height x Width x Depth		mm	857 x 1,280 x 1,140	857 x 1,750 x 1,140		857 x 1,790 x 1,240
	Packed unit	Height x Width x Depth		mm	1,060 x 1,330 x 1,210	1,065 x 1,850 x 1,300		1,065 x 1,850 x 1,420
Weight	Unit			kg	162	221	222	244
	Packed unit			kg	202	276	277	361
Compressor	Type				Hermetic Reciprocating			
	Nominal power			kW	3.7	4.8	6.3	7.4
	Starting method				Direct			
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10			
Refrigerant	Type				R-134a			
	GWP				1,430			
Evaporator	Air flow			m³/h	3,900	5,600		8,000
	Air throw			m	10 (2)			17 (2)
Condenser	Air flow			m³/h	2,700	4,000		5,600
Defrost					Hot gas			
Power supply	Voltage/Phase/Frequency			V/Hz	400 / 3N~ / 50			

(1) When normally running: 0°C / +30°C

(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Uni-block system for low and medium temperature refrigeration

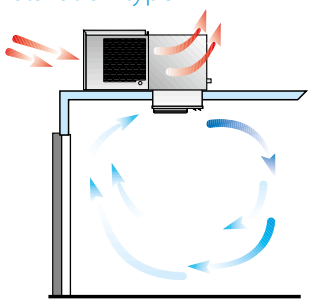
For roof mounted installation in small and medium sized cold rooms

- Rapid mounting on the roof of the cold room
- Ceiling assembly leaves the space inside the cold room completely free
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Extremely fast to assemble, reducing installation time and cost
- Best surface-to-capacity ratio
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements

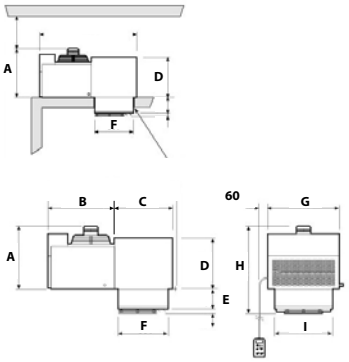
SB

Remote control

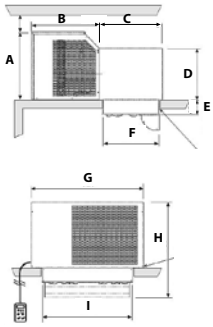
Installation type



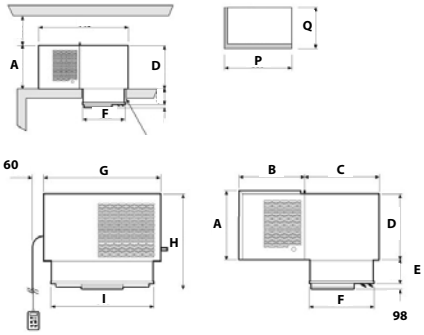
SB120



SB140



SB125-235



Low temperature refrigeration				BSB	010DA11XX	0870Y1AA	117DA11XX	330DB11XX	2650Y3AB	220DB11XX	1710Y2AA
Refrigerating capacity	Low temperature	R-290	Nom	kW	-	0.871 (1)	-		2.650 (1)	-	1.710 (1)
		R-452A	Nom	kW	0.628 (1)	-	1.029 (1)	2.472 (1)	-	1.699 (1)	-
Dimensions	Unit	Height x Width x Depth		mm	525 x 430 x 771	340 x 620 x 719	506 x 620 x 719	645 x 820 x 929	1044 x 1300 x 520	540 x 820 x 809	924 x 1075 x 360
	Packed unit	Height x Width x Depth		mm	690 x 540 x830	660 x 730 x 790		800x930x1000		690 x 930 x 880	
Weight	Unit			kg	48	68		102	200	87	102
	Packed unit			kg	61	82		124	114	108	-
Compressor	Type				Hermetic Reciprocating						
	Nominal power			kW	0.6	-	1.3	2.2	-	1.5	-
	Starting method				Direct						
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15						
Refrigerant	Type				R-452A	R290	R-452A		R290	R-452A	R290
	GWP				2,141.0	3.0	2,141.0		3.0	2,141.0	3.0
Evaporator	Air flow			m³/h	500	780	550	2,300	2,560	1,100	1,320
	Air throw			m	3 (3)	4 (3)		10 (3)		4 (3)	
Condenser	Air flow			m³/h	400	640	750	1,500	2,010	1,400	1,200
Defrost					Hot gas						
Power supply	Voltage / Phase /Frequency			V/Hz	230 / 1~ / 50			400 / 3N~ / 50			230 / 1~ / 50

Medium temperature refrigeration				MSB	005EA 11XX	106EA 11XX	107EA 11XX	1310Y 1AA	315EB 11XX	2180Y 1AA	320EB 11XX	3370Y 2AA	425EB 11XX	210EA 11XX	5820Y 3AC	212EB 11XX	530EB 11XX
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.857 (2)	1.120 (2)	1.338 (2)	-	3.282 (2)	-	3.550 (2)	-	3.774 (2)	1.799 (2)	-	2.022 (2)	4.871 (2)
		R-290	Nom	kW	-			1.31 (2)	-	2.18 (2)	-	3.37 (2)	-		5.82 (2)	-	
Dimensions	Unit	Height x Width x Depth		mm	525 x 430 x 771	506 x 620 x 719		340 x 620 x 719	645 x 820 x 929	360 x 820 x 809	645 x 820 x 929	1,044x1,300x410	760 x 920 x 1,042	540 x 820 x 809	1,044 x 1,300 x 520	540 x 820 x 809	785 x 1,075 x 1,046
	Packed unit	Height x Width x Depth		mm	690 x 540 x 830	660 x 730 x 790			800 x 930 x 1,000				880 x 1,100 x1,100	690 x 930 x 880	-	690 x 930 x 880	920 x 1,200 x 1,120
Weight	Unit			kg	42	59			92	75	92	102	110	74	200	75	151
	Packed unit			kg	55	73			114				139	95	96		184
Compressor	Type				Hermetic Reciprocating												
	Nominal power			kW	0.5	0.6	0.7	-	2.2	-	2.6	-	2.9	0.9	-	1.7	3.7
	Starting method				Direct												
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10												
Refrigerant	Type				R-134a			R290	R-134a	R290	R-134a	R290	R-134a		R290	R-134a	
	GWP				1,430.0			3.0	1,430.0	3.0	1,430.0	3.0	1,430.0		3.0	1,430.0	
Evaporator	Air flow			m³/h	500	550		610	2,300	1,220	2,300	1,500	2,300	1,100	3,600	1,100	3,450
	Air throw			m	3 (3)	4 (3)			10 (3)						4 (3)		10 (3)
Condenser	Air flow			m³/h	400	750		640	1,500	1,200	1,500	1,755	3,100	1,400	2,900	1,400	3,200
Defrost					Hot gas												
Power supply	Voltage / Phase /Frequency			V/Hz	230 / 1~ / 50				400 / 3N~ / 50					230 / 1~ / 50		400 / 3N~ / 50	

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

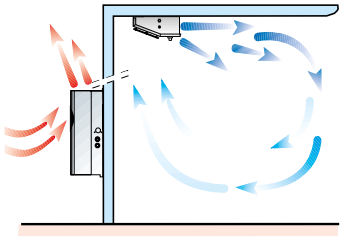
Bi-block system for low and medium temperature refrigeration

Condensing unit for wall mounted installation

- Wall mounted condensing unit and ceiling mounted evaporator
- Extremely rapid mounting
- Best surface-to-capacity ratio
- Low sound levels thanks to optional compressor compartment soundproofing
- New generation control panel: possibility to connect it to classic remote management systems or to a Modbus system
- Winter Kit

GS

Installation type



Low temperature refrigeration				GS	SB.BGS110P			SB.BGS112P			SB.BGS117P			SB.BGS218P			SB.BGS220P			SB.BGS330P		
					1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.679 (1)			0.889 (1)			1.080 (1)			1.336 (1)			1.688 (1)			2.349 (1)		
Dimensions	Condensing unit	Height x Width x Depth		mm	735 x 400 x 280									830 x 620 x 280						830 x 620 x 350		
	Evaporator unit	Height x Width x Depth		mm	215 x 654 x 410									215 x 1,074 x 410						215 x 1,654 x 410		
	Packed condensing unit	Height x Width x Depth		mm	955 x 490 x 610									1,050 x 490 x 740						1,050 x 600 x 740		
	Packed evaporator unit	Height x Width x Depth		mm	470 x 260 x 780									470 x 260 x 1,200						470 x 260 x 1,780		
Weight	Condensing unit			kg	46			54						64						84		
	Evaporator unit			kg	13									19						28		
	Packed condensing unit			kg	57			65						76						98		
	Packed evaporator unit			kg	15									21						31		
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.74			0.9			1.3						1.5			2.2		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15																	
Refrigerant	Type				R-452A																	
	GWP				2,141																	
Evaporator	Air flow			m^3/h	600									1,200						1,800		
	Air throw			m	4 (3)																	
Condenser	Air flow			m^3/h	600									1,200						1,500		
Defrost					Hot gas																	
Piping length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50												400 / 3N~ / 50					

Medium temperature refrigeration				GS	SB.MGS103P			SB.MGS105P			SB.MGS106P			SB.MGS107P			SB.MGS110P			SB.MGS211P			SB.MGS212P			SB.MGS213P			SB.MGS315P			SB.MGS320P		
					1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.855 (2)			0.978 (2)			1.120 (2)			1.315 (2)			1.351 (2)			1.806 (2)			2.034 (2)			2.175 (2)			3.079 (2)			3.351 (2)		
Dimensions	Condensing unit	Height x Width x Depth		mm	735 x 400 x 280															830 x 620 x 280									830 x 620 x 350					
	Evaporator unit	Height x Width x Depth		mm	215 x 654 x 410															215 x 1,074 x 410									215 x 1,654 x 410					
	Packed condensing unit	Height x Width x Depth		mm	955 x 490 x 610															1,050 x 490 x 740									1,050 x 600 x 740					
	Packed evaporator unit	Height x Width x Depth		mm	470 x 260 x 780															470 x 260 x 1,200									470 x 260 x 1,780					
Weight	Condensing unit			kg	42			43			46						54			64									77			79		
	Evaporator unit			kg	13															19									28					
	Packed condensing unit			kg	53			54			57						65			76									91			93		
	Packed evaporator unit			kg	15															19									31					
Compressor	Type				Hermetic Reciprocating																														
	Nominal power			kW	0.4			0.5			0.4			0.7			0.9			1.7			2			2.2			2.6					
	Starting method				Direct																														
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10																														
Refrigerant	Type				R-134a																														
	GWP				1,430																														
Evaporator	Air flow			m^3/h	600															1,200									1,800					
	Air throw			m	4 (3)																														
Condenser	Air flow			m^3/h	600															1,200									1,500					
Defrost					Electric																														
Piping length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50																		400 / 3N~ / 50											

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

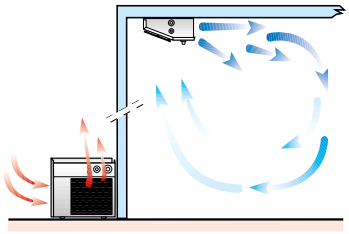
- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio

Ceiling evaporator

Remote control

Floor standing condenser

Installation type



				SP-O	SB.BSP110P			SB.BSP112P			SB.BSP117P			SB.BSP330P			SB.BSP218P			SB.BSP220P		
					1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.662 (1)			0.905 (1)			1.088 (1)			2.384 (1)			1.342 (1)			1.719 (1)		
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337									427 x 820 x 427			390 x 820 x 427					
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410									215 x 1,614 x 410			215 x 1,034 x 410					
	Packed condensing unit	Height x Width x Depth		mm	690 x 520 x 780									690 x 620 x 1,010								
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780									260 x 470 x 1,780			260 x 470 x 1,200					
Weight	Condensing unit			kg	45			50						78			61			69		
	Evaporator unit			kg	13									28			19					
	Packed condensing unit			kg	74			79						116			99			107		
	Packed evaporator unit			kg	15									30			21					
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.75			1.1			1.3			2.2			1.3			1.5		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15																	
Refrigerant	GWP				2,141																	
Evaporator	Air flow			m³/h	600									1,800			1,200					
	Air throw			m	4 (3)																	
Condenser	Air flow			m³/h	750									1,500			1,400					
Defrost					Electric																	
Piping Length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50									400 / 3N~ / 50			230 / 1~ / 50			400 / 3N~ / 50		

				SP-O	SB.MSP106P			SB.MSP107P			SB.MSP315P			SB.MSP320P			SB.MSP212P			SB.MSP213P		
					1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	1.140 (2)			1.422 (2)			3.188 (2)			3.492 (2)			1.816 (2)			2.029 (2)		
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337						427 x 820 x 427						390 x 820 x 427					
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410						215 x 1,614 x 410						215 x 1,034 x 410					
	Packed condensing unit	Height x Width x Depth		mm	690 x 520 x 780						690 x 620 x 1,010											
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780						260 x 470 x 1,780						260 x 470 x 1,200					
Weight	Condensing unit			kg	43						69			70			59			61		
	Evaporator unit			kg	13						28						19					
	Packed condensing unit			kg	72						107			108			97			99		
	Packed evaporator unit			kg	15						30						21					
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.4			0.7			2.2			2.6			0.9			1.7		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10																	
Refrigerant	GWP				1,430																	
Evaporator	Air flow			m³/h	600						1,800						1,200					
	Air throw			m	4 (3)																	
Condenser	Air flow			m³/h	750						1,500						1,400					
Defrost					Electric																	
Piping Length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50						400 / 3N~ / 50						230 / 1~ / 50			400 / 3N~ / 50		

(1) When normally running: -20°C / +30°C
(2) When normally running: +0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

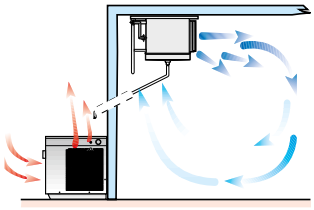
- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio

Ceiling evaporator

Remote control

Floor standing condenser

Installation type



			DB-O	SB.BDB 110DA12XX	SB.BDB 112DA12XX	SB.BDB 117DA12XX	SB.BDB 320DA13XX	SB.BDB 330DA13XX	SB.BDB 218DA12XX	SB.BDB 220DA12XX
Refrigerating capacity	Low temperature R-452A Nom		kW	0.662 (1)	0.905 (1)	1.088 (1)	2.384 (1)	2.38 (1)	1.342 (1)	1.719 (1)
Dimensions	Condensing unit	Height x Width x Depth	mm	357 x 620 x 337			427 x 820 x 427		390 x 820 x 427	
	Evaporator unit	Height x Width x Depth	mm	215 x 614 x 410			215 x 1,614 x 410		215 x 1,034 x 410	
	Packed condensing unit	Height x Width x Depth	mm	590 x 419 x 810			610 x 520 x 1,010			
	Packed evaporator unit	Height x Width x Depth	mm	260 x 470 x 780			260 x 470 x 1,200			
Weight	Condensing unit		kg	45	50		72	78	61	69
	Evaporator unit		kg	13			28		19	
	Packed condensing unit		kg	55	60		86	92	75	83
	Packed evaporator unit		kg	15			31		21	
Compressor	Type			Hermetic Reciprocating						
	Nominal power		kW	0.75	1.1	1.3	2.2		1.3	1.5
	Starting method			Direct						
Operation range	Cold room temperature	Min. ~Max.	°C	-25 ~-15						
Refrigerant	Type			R-452A						
	GWP			2,142						
Evaporator	Air flow		m³/h	600			1,800		1,200	
	Air throw		m	4 (3)						
Condenser	Air flow		m³/h	750			1,500		1,400	
Defrost				Electric						
Power supply	Voltage/Phase/Frequency		V/Hz	230/1~/50			400/3N~/50		230/1~/50	400/3N~/50

			DB-O	SB.MDB 106A12XX	SB.MDB 107A12XX	SB.MDB 315A13XX	SB.MDB 320A13XX	SB.MDB 425A13XX	SB.MDB 635A13XX	SB.MDB 645A13XX	SB.MDB 706A13XX	SB.MDB 530A13XX	SB.MDB 707A13XX	SB.MDB 212A12XX	SB.MDB 213A12XX
Refrigerating capacity	Medium temperature R-134a Nom		kW	1.140 (2)	1.422 (2)	3.188 (2)	3.492 (2)	3.606 (2)	7.293 (2)	8.779 (2)	11.014 (2)	5.070 (2)	14.069 (2)	1.816 (2)	2.029 (2)
Dimensions	Condensing unit	Height x Width x Depth	mm	357 x 620 x 337		427 x 820 x 427	427 x 820 x 427	540 x 920 x 540	654 x 1,575 x 642		885 x 1,725 x 742	594 x 1,075 x 532	885 x 1,725 x 742	390 x 820 x 427	
	Evaporator unit	Height x Width x Depth	mm	215 x 614 x 410		215 x 1,614 x 410	215 x 1,614 x 410	545 x 805 x 690	600 x 1,690 x 690		620 x 1,840 x 700	530 x 1,220 x 690	620 x 1,840 x 700	215 x 1,034 x 410	
	Packed condensing unit	Height x Width x Depth	mm	590 x 419 x 810		610 x 520 x 1,010	610 x 520 x 1,010	880 x 650 x 1,200	750 x 890 x 1,840		780 x 890 x 1,990	710 x 820 x 1,280	780 x 890 x 1,990	610 x 520 x 1,010	
	Packed evaporator unit	Height x Width x Depth	mm	260 x 470 x 780		260 x 470 x 1,200	260 x 470 x 1,200	702 x 814 x 1,004	865 x 780 x 1,850		1,100 x 880 x 2,000	865 x 780 x 1,850	1,100 x 880 x 2,000	260 x 470 x 1,200	
Weight	Condensing unit		kg	43		69	70	95	158	159	195	104	220	59	61
	Evaporator unit		kg	13		28	28	37	84		102	53	102	19	
	Packed condensing unit		kg	53		83	84	114	247	248	309	193	334	73	75
	Packed evaporator unit		kg	15		30	30	53	140		165	85	165	21	
Compressor	Type			Hermetic Reciprocating											
	Nominal power		kW	0.4	0.7	2.2	2.6	2.94	4.8	6.3	7.4	3.7	9.555	0.9	1.7
	Starting method			Direct											
Operation range	Cold room temperature	Min. ~Max.	°C	-5 ~10											
Refrigerant	Type			R-134a											
	GWP			1,430											
Evaporator	Air flow		m³/h	600		1,800	1,800	2,300	6,800	6,400	8,400	4,600	8,000	1,200	
	Air throw		m	4 (3)				12 (3)	11 (3)		13 (3)	11 (3)	12 (3)	4 (3)	
Condenser	Air flow		m³/h	750		1,500		3,150	5,500	7,000	8,100	3,200	8,100	1,400	
Defrost				Electric											
Power supply	Voltage/Phase/Frequency		V/Hz	230/1~/50		400/3N~/50	400/3N~/50		400/3N~/50					230/1~/50	400/3N~/50

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.w

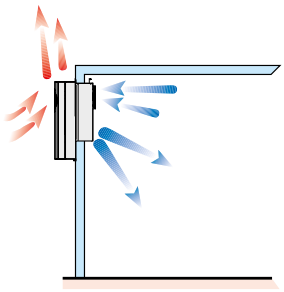
Wineblock - Monoblock units for high temperature refrigeration

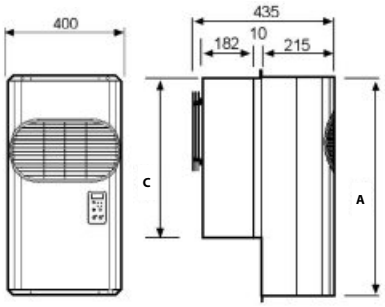
Monoblock system suitable for through-wall installation

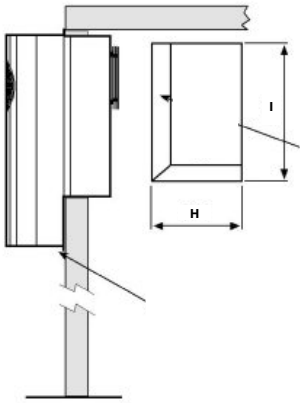
› Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
› Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
› Electronic controller managing both temperature and humidity of the cold room

RCV

Installation type







				RCV	RCV101527E	RCV101528E	RCV102527E	RCV102528E	RCV201527E	RCV201528E	RCV202527E	RCV202528E
Refrigerating capacity	High temperature	R-134a	Nom	kW	0.6(1)		1(1)		1.4(1)		2.3(1)	
Heating capacity	R-134a	Nom		kW	0.7(1)		1.05(1)		1.4(1)		1.75(1)	
Dimensions	Unit	Height x Width x Depth		mm	735 x 400 x 435				735 x 620 x 435			
	Packed unit	Height x Width x Depth		mm	955 x 435 x 495				955 x 655 x 495			
Weight	Unit			kg	49	50	52	53	77	78	79	80
	Packed unit			kg	59	60	62	63	89	90	91	92
Compressor	Type				Hermetic Reciprocating							
	Nominal power			kW	0.25		0.37		0.46		0.55	
Operation range	Cold room temperature	Min. ~Max.		°C	10 ~20							
Refrigerant	Type				R-134a							
	GWP				1,430							
Evaporator	Air flow			m^3/h	600				1,200			
	Air throw			m	4 (2)							
Condenser	Air flow			m^3/h	600				1,200			
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50							

(1) When normally running: +10°C / +30°C

(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Wineblock - Split units for high temperature refrigeration

Compact condensing unit and small-sized wall or ceiling mounted evaporators

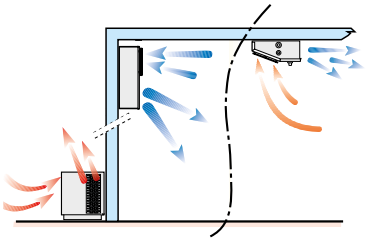
- Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
- Electronic controller managing both temperature and humidity of the cold room

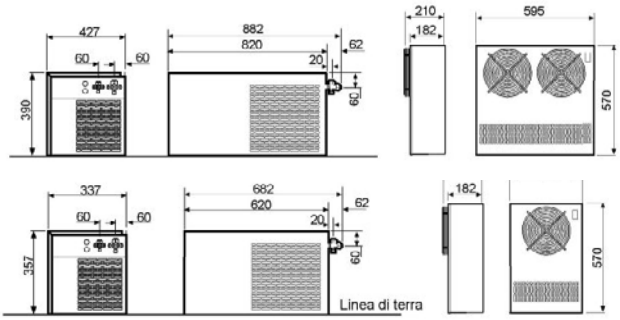
Ceiling evaporator

Wall evaporator

RDV

Installation type





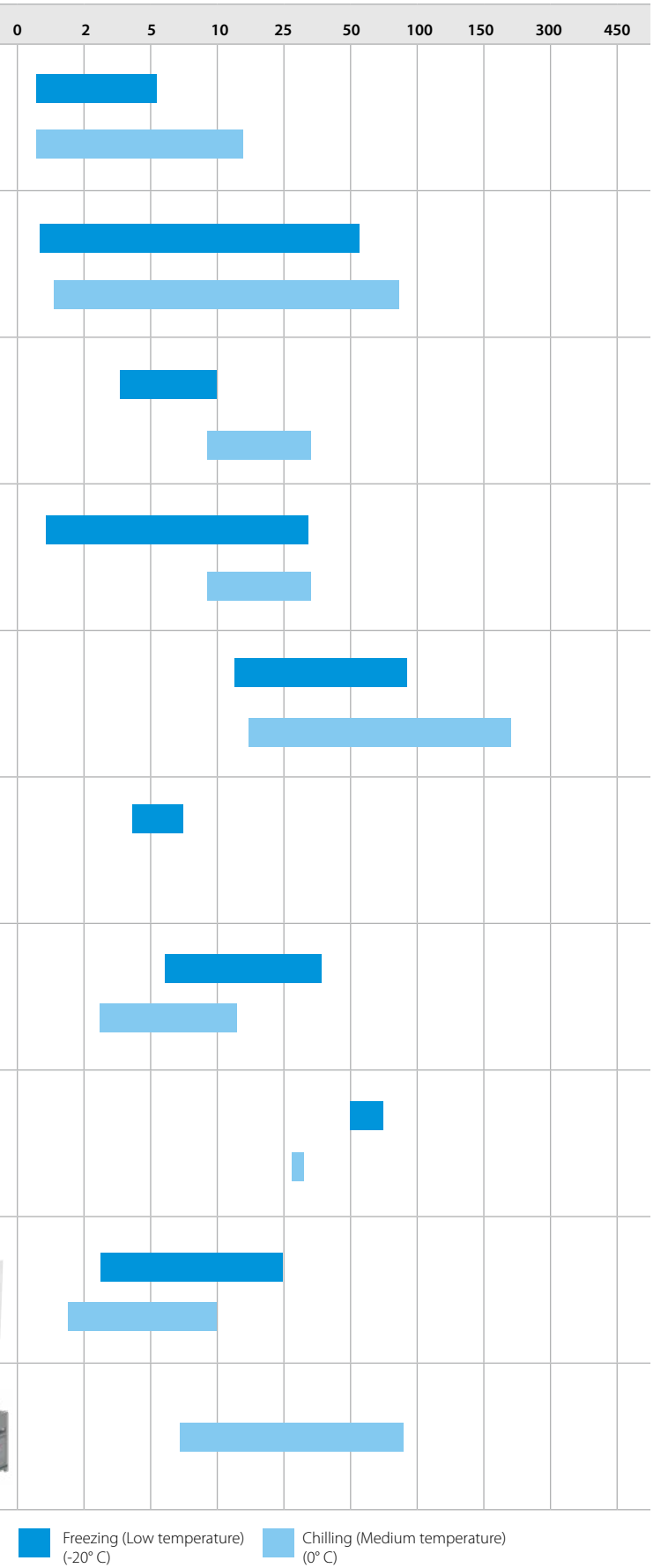
				RDV	SB.RDV101529E	SB.RDV101523E	SB.RDV101524E	SB.RDV101525E	SB.RDV102529E	SB.RDV102523E	SB.RDV102524E	SB.RDV102525E
Refrigerating capacity	High temperature	R-134a	Nom	kW	0.600 (1)				1.000 (1)			
Heating capacity	R-134a	Nom		kW	0.700		0.900		1.050		0.900	
Dimensions	Condensing unit	Height x Width x Depth		mm	357/682/337							
	Evaporator unit	Height x Width x Depth		mm	570 x 375 x 210		215 x 669 x 490		570 x 375 x 210		215 x 669 x 490	
	Packed condensing unit	Height x Width x Depth		mm	590 x 800 x 400							
	Packed evaporator unit	Height x Width x Depth		mm	610 x 250 x 525		540 x 250 x 1,190		610 x 250 x 525		540 x 250 x 1,190	
Weight	Condensing unit			kg	32	33	32	35	36	35		
	Evaporator unit			kg	12	13	12		13	12		
	Packed condensing unit			kg	37	38	37	40	41	40		
	Packed evaporator unit			kg	14	15	14		15	14		
Compressor	Type				Hermetic Reciprocating							
	Nominal power			kW	0.25				0.37			
	Starting method				Direct							
Operation range	Cold room temperature	Min. ~Max.		°C	10 ~20							
Refrigerant	Type				R-134a							
	GWP				1,430							
Evaporator	Air flow			m^3/h	500		400		500		400	
	Air throw			m	4 (2)							
Condenser	Air flow			m^3/h	600							
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50							

				RDV	SB.RDV201529E	SB.RDV201523E	SB.RDV201524E	SB.RDV201525E	SB.RDV202529E	SB.RDV202523E	SB.RDV202524E	SB.RDV202525E
Refrigerating capacity	High temperature	R-134a	Nom	kW	1.400 (1)				2.300 (1)			
Heating capacity	R-134a	Nom		kW	1.400		1.600		1.750 (1)		1.600	
Dimensions	Condensing unit	Height x Width x Depth		mm	390/882/427							
	Evaporator unit	Height x Width x Depth		mm	570 x 595 x 210		215 x 1,089 x 490		570 x 595 x 210		215 x 195 x 490	215 x 1,089 x 490
	Packed condensing unit	Height x Width x Depth		mm	610 x 510 x 1,000							
	Packed evaporator unit	Height x Width x Depth		mm	610 x 250 x 745		540 x 250 x 1,190		610 x 250 x 745		540 x 1,089 x 1,190	540 x 250 x 1,190
Weight	Condensing unit			kg	60	61	60	62	63	68	62	
	Evaporator unit			kg	18	19	18		19	18		
	Packed condensing unit			kg	67	68	67	69	70	75	69	
	Packed evaporator unit			kg	20	21	22	20	21	22	20	
Compressor	Type				Hermetic Reciprocating							
	Nominal power			kW	0.46				0.55			
	Starting method				Direct							
Operation range	Cold room temperature	Min. ~Max.		°C	10 ~20							
Refrigerant	Type				R-134a							
	GWP				1,430							
Evaporator	Air flow			m^3/h	1,000		800		1,000		800	
	Air throw			m	4 (2)							
Condenser	Air flow			m^3/h	1,200		1,100		1,200		1,100	
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50							

(1) When normally running: +10°C / +30°C
(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Condensing units

Model	Product name	Capacity (kW)
Commercial plug-in condensing units	JEHCCU and JEHSCU	
Small condensing units	CU series	
	CU series	
	CU series	
Large condensing units	CM series	
Small inverter condensing unit for commercial refrigeration	Mini-ZEAS LRMEQ-BY1	
Inverter condensing unit for commercial refrigeration	ZEAS LREQ-BY1	
	Multi ZEAS LREQ-BY1R	
CO_2		



Condensing unit for commercial refrigeration with reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHCCU-CM1/CM3

Medium Temperature Refrigeration					JEHCCU-CM1/CM3	0040 CM1	0050 CM1	0051 CM1	0063 CM1	0067 CM1	0077 CM1	0095 CM1	0100 CM1	0113 CM1	0140 CM1	0140 CM3
Refrigerating capacity	Medium temperature	R-134a	Nom	kW		0.55 (1)	-	0.83 (1)	0.99 (1)	-	1.20 (1)	1.49 (1)	-			
		R-404A*	Nom	kW		-	0.91 (1)	-		1.23 (1)	-		1.50 (1)	1.76 (1)	2.19 (1)	2.22 (1)
		R-407A	Nom	kW		-	0.72 (1)	-		0.97 (1)	-		1.19 (1)	1.49 (1)	1.73 (1)	1.74 (1)
		R-407F	Nom	kW		-	0.78 (1)	-		1.03 (1)	-		1.26 (1)	1.55 (1)	1.87 (1)	1.88 (1)
Power input	Medium temperature	R-134a	Nom	kW		0.43 (1)	-	0.54 (1)	0.64 (1)	-	0.74 (1)	0.90 (1)	-			
		R-404A*	Nom	kW		-	0.63 (1)	-		0.76 (1)	-		0.93 (1)	1.10 (1)	1.18 (1)	1.24 (1)
		R-407A	Nom	kW		-	0.54 (1)	-		0.70 (1)	-		0.84 (1)	0.98 (1)	1.11 (1)	1.16 (1)
		R-407F	Nom	kW		-	0.53 (1)	-		0.69 (1)	-		0.83 (1)	0.98 (1)	1.07 (1)	1.12 (1)
Parameters at full load and ambient temp. 25°C		R-134a	Te -10°C	Declared COP (COP2)		1.55	-	1.75	1.80	-	1.96	2.05	-			
		R-404A*	Te -10°C	Declared COP (COP2)		-	1.88	-		1.92	-		1.87	1.95	1.96	2.02
		R-407A	Te -10°C	Declared COP (COP2)		-	1.39	-		1.45	-		1.50	1.65		1.58
		R-407F	Te -10°C	Declared COP (COP2)		-	1.62	-		1.66	-		1.68	1.78	1.95	1.87
Parameters at full load and ambient temp. 32°C (Point A)		R-134a	Te -10°C	Rated COP (COPA)		1.28	-	1.53	1.55	-	1.63	1.65	-			
		R-404A*	Te -10°C	Rated COP (COPA)		-	1.45	-		1.61	-		1.61	1.60	1.68	1.80
		R-407A	Te -10°C	Rated COP (COPA)		-	1.33	-		1.37	-		1.42	1.52	1.57	1.50
		R-407F	Te -10°C	Rated COP (COPA)		-	1.47	-		1.49	-		1.51	1.58	1.75	1.67
Parameters at full load and ambient temp. 43°C		R-134a	Te -10°C	Declared COP (COP3)		1.18	-	1.20	1.21	-	1.30	1.32	-			
		R-404A*	Te -10°C	Declared COP (COP3)		-	1.10	-		1.18	-		1.21	1.20	1.26	1.31
		R-407A	Te -10°C	Declared COP (COP3)		-	1.16	-			-				1.38	1.30
		R-407F	Te -10°C	Declared COP (COP3)		-	1.20	-			-				1.39	1.32
Dimensions	Unit		Height		mm	607									662	
			Width		mm	876									1,101	
			Depth		mm	420									444	
Weight	Unit				kg	45		53		54			55		68	
Compressor	Type					Reciprocating compressor										
	Model					AE4440Y-FZ1A	AE4460Z-FZ1C	CAJ4461Y	CAJ4476Y	CAJ9480Z	CAJ4492Y	CAJ4511Y	CAJ9510Z	CAJ9513Z	CAJ4517Z	TAJ4517Z
	Oil	Charged volume			l	0.3		0.9							-	
	Oil Type					Uniqema Emkarate RL32CF										
	Piston displacement				m^3/h	1.80		3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52	
Fan	Type					Axial										
	Air flow rate	Cooling	Nom		m^3/h	1,300									2,700	
Sound pressure level	Nom.				dBA	29 (2)				28 (2)	29 (2)		28 (2)		34 (2)	
Refrigerant	Type					R-134a	R-404A	R-134a		R-404A	R-134a		R-404A			
	Type 2					-	R-407A	-		R-407A	-		R-407A			
	Type 3					-	R-407F	-		R-407F	-		R-407F			
	GWP					1,430.0	3,921.6	1,430.0		3,921.6	1,430.0		3,921.6			
	GWP Type 2					-	2,107	-		2,107	-		2,107			
	GWP Type 3					-	1,825	-		1,825	-		1,825			
Piping connections	Liquid line connection				inch	1/4"				3/8"						
	Suction line connection				inch	3/8"				1/2"					5/8	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230										3~/50/400

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)
(2) Average sound pressure level is measured at 10m in anechoic room
* R-404A refrigerant is not 2020 F-Gas Compliant

Condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHSCU-CM1/CM3

Medium Temperature Refrigeration					JEHSCU-CM1/CM3	0200 CM1	0250 CM1	0300 CM1	0200 CM3	0250 CM3	0300 CM3	0350 CM3	0360 CM3	0400 CM3	0500 CM3	0600 CM3	0680 CM3	0800 CM3	1000 CM3
Refrigerating capacity	Medium temperature	R-134a	Nom	kW		2.05 (1)	2.59 (1)	3.09 (1)	2.17 (1)	2.48 (1)	3.06 (1)	3.48 (1)	3.69 (1)	4.24 (1)	5.24 (1)	6.16 (1)	6.89 (1)	7.95 (1)	10.40 (1)
		R-404A*	Nom	kW		3.54 (1)	3.99 (1)	4.92 (1)	3.49 (1)	4.21 (1)	4.89 (1)	5.50 (1)	5.92 (1)	6.70 (1)	8.03 (1)	9.45 (1)	10.15 (1)	12.95 (1)	16.45 (1)
		R-407A	Nom	kW		3.39 (1)	3.98 (1)	4.65 (1)	3.36 (1)	3.94 (1)	4.54 (1)	-	5.61 (1)	6.57 (1)	8.03 (1)	9.24 (1)	10.35 (1)	12.55 (1)	14.75 (1)
		R-407F	Nom	kW		3.26 (1)	3.73 (1)	4.50 (1)	3.22 (1)	3.85 (1)	4.45 (1)	-	5.61 (1)	6.62 (1)	7.99 (1)	9.36 (1)	10.40 (1)	12.65 (1)	15.95 (1)
Power input	Medium temperature	R-134a	Nom	kW		1.11 (1)	1.21 (1)	1.45 (1)	1.03 (1)	1.17 (1)	1.46 (1)	1.68 (1)	1.61 (1)	1.85 (1)	2.30 (1)	2.70 (1)	3.15 (1)	3.74 (1)	4.86 (1)
		R-404A*	Nom	kW		1.57 (1)	2.00 (1)	2.62 (1)	1.70 (1)	2.04 (1)	2.52 (1)	3.04 (1)	2.88 (1)	3.33 (1)	4.39 (1)	4.92 (1)	5.53 (1)	5.96 (1)	8.62 (1)
		R-407A	Nom	kW		1.60 (1)	1.99 (1)	2.47 (1)	1.63 (1)	2.03 (1)	2.45 (1)	-	2.58 (1)	2.97 (1)	3.93 (1)	4.62 (1)	5.54 (1)	6.24 (1)	8.41 (1)
		R-407F	Nom	kW		1.74 (1)	2.09 (1)	2.66 (1)	1.78 (1)	2.16 (1)	2.71 (1)	-	2.91 (1)	3.21 (1)	4.36 (1)	5.03 (1)	5.98 (1)	6.13 (1)	8.84 (1)
Seasonal energy performance ratio SEPR		R-134a	Te -10°C			-							2.29	-	2.69	2.63	2.57	2.92	2.88
		R-404A*	Te -10°C			-						2.61	3.48	2.77	2.64	2.72	2.65	2.90	2.57
		R-407A	Te -10°C			-							3.44	3.09	2.81	2.75	2.65	2.88	2.35
		R-407F	Te -10°C			-							3.2	2.83	2.60	2.69	2.59	2.83	2.53
Annual electricity consumption Q		R-134a	Te -10°C		kWh/a	-									11,969	14,381	16,491	16,741	22,226
		R-404A*	Te -10°C		kWh/a	-						12,939	10,448	14,881	18,673	21,344	23,536	27,407	39,372
		R-407A	Te -10°C		kWh/a	-							10,033	13,054	17,546	20,622	24,031	26,747	38,515
		R-407F	Te -10°C		kWh/a	-							10,766	14,365	18,883	21,395	24,655	27,475	38,831
Parameters at full load and ambient temp. 25°C		R-134a	Te -10°C	Declared COP (COP2)		2.15	2.54	2.50	2.55	2.52		2.46	2.8	2.83	-				
		R-404A*	Te -10°C	Declared COP (COP2)		2.65	2.54	2.24	2.44	2.41	2.26	-	2.66	-					
		R-407A	Te -10°C	Declared COP (COP2)		2.55	2.38	2.21	2.50	2.32	2.20	-	2.72	-					
		R-407F	Te -10°C	Declared COP (COP2)		2.43	2.31	2.16	2.35	2.25	2.10	-	2.5	-					
Parameters at full load and ambient temp. 32°C (Point A)		R-134a	Te -10°C	Rated COP (COPA)		1.85	2.14	2.13	2.12	2.13	2.10	2.08	2.29	2.29	2.28		2.19	2.13	2.14
		R-404A*	Te -10°C	Rated COP (COPA)		2.25	2.00	1.88	2.06	2.07	1.94	1.81	2.06	2.01	1.83	1.92	1.84	2.17	1.91
		R-407A	Te -10°C	Rated COP (COPA)		2.13	2.01	1.89	2.07	1.95	1.86	-	2.17	2.21	2.04	2.00	1.87	2.01	1.75
		R-407F	Te -10°C	Rated COP (COPA)		1.88	1.79	1.69	1.81	1.79	1.65	-	1.93	2.06	1.83	1.86	1.74	2.06	1.80
Parameters at full load and ambient temp. 43°C		R-134a	Te -10°C	Declared COP (COP3)		1.35	1.53			1.57		1.52	1.6	1.55	1.56	1.59	1.53	1.52	
		R-404A*	Te -10°C	Declared COP (COP3)		1.53	1.33	1.25		1.36	1.28	1.11	1.31	1.28	1.15	1.27	1.22	1.47	1.18
		R-407A	Te -10°C	Declared COP (COP3)		-			1.48	1.45	1.38	-	1.48	1.43	1.39	1.43	-	1.38	-
		R-407F	Te -10°C	Declared COP (COP3)		-												1.52	-
Dimensions	Unit		Height	mm		662							872	872				1,727	
			Width	mm		1,101							1,353	1,353				1,348	
			Depth	mm		444							575	575				641	
Weight	Unit			kg		70	72	74	70	72	74		112	119	123	125	126	218	
Compressor	Type					Scroll compressor													
	Model					ZB15KQE-PFJ	ZB19KQE-PFJ	ZB21KQE-PFJ	ZB15KQE-TFD	ZB19KQE-TFD	ZB21KQE-TFD	ZB26KQE-TFD	ZB26KQE-TFD	ZB29KQE-TFD	ZB38KQE-TFD	ZB45KQE-TFD	ZB48KQE-TFD	ZB58KCE-TFD	ZB76KCE-TFD
	Oil	Charged volume		l		-							1.5	1.36	2.07	1.89	1.80	2.5	3.2
	Oil Type					Polyester oil (Copeland Ultra 22 CC. 32 CC and 32-3MAF. Mobil EAL™ Arctic 22 CC. Uniqem Emkarate RL32CF														
	Piston displacement			m^3/h		5.90	6.80	8.60	5.90	6.80	8.60	9.90	9.90	11.40	14.40	17.10	18.80	22.10	29.10
Fan	Type					Axial													
	Air flow rate	Cooling	Nom	m^3/h		2,700							4,250	-				8,500	
Sound pressure level	Nom.			dBA		33 (2)	34 (2)	36 (2)	33 (2)	34 (2)	36 (2)	39 (2)	37 (2)	37 (2)	38 (2)	40 (2)		43 (2)	
Refrigerant	Type					R-134a													
	Type 2					R-404A													
	Type 3					R-407A						-	R-407A						
	Type 4					R-407F						-	R-407F						
	GWP					1,430													
	GWP Type 2					3,921.6													
	GWP Type 3					2,107						-	2,107						
	GWP Type 4					1,825						-	1,825						
Piping connections	Liquid line connection			inch		3/8"							3/4"	1/2"				3/4"	
	Suction line connection			inch		3/4"							1/2"	7/8"		1 1/8"			3/8"
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230			3~/50/400										

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)
(2) Average sound pressure level is measured at 10m in anechoic room
* R-404A refrigerant is not 2020 F-Gas Compliant
** Also compatible with refrigerants R-448A and R-449A. For more information consult RefrigXpress
Blue cells contain preliminary data

Condensing unit for commercial refrigeration with scroll / reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHCCU/SCU-CL1/CL3

Low Temperature Refrigeration					JEHCCU-CL1/JEHSCU-CL3	JEHCCU0115CL1	JEHSCU0200CL3	JEHSCU0300CL3	JEHSCU0400CL3	JEHSCU0500CL3	JEHSCU0600CL3	JEHSCU0750CL3	JEHSCU0950CL3-EVI
Refrigerating capacity	Low temperature	R-404A*	Nom	kW		0.69 (1)	1.42 (1)	1.98 (1)	2.91 (1)	3.53 (1)	4.13 (1)	5.29 (1)	5.9 (1)
		R-407A	Nom	kW		-	1.16 (1)	1.51 (1)	2.29 (1)	2.77 (1)	3.31 (1)	4.29 (1)	4.96 (1)
Power input	Low temperature	R-404A*	Nom	kW		0.72 (1)	1.46 (1)	1.81 (1)	2.38 (1)	3.10 (1)	3.69 (1)	3.88 (1)	4.35 (1)
		R-407A	Nom	kW		-	1.31 (1)	1.77 (1)	2.33 (1)	2.85 (1)	3.57 (1)	4.17 (1)	3.94 (1)
Seasonal energy performance ratio SEPR		R-404A*	Te -35°C				-		1.88	1.79	1.80	1.82	1.79
		R-407A	Te -35°C				-		1.67		1.52	1.51	1.76
Annual electricity consumption Q		R-404A*	Te -35°C	kWh/a			-		11,555	14,732	17,107	21,649	24,503
		R-407A	Te -35°C	kWh/a			-		10,212	12,364	16,220	21,146	20,958
Parameters at full load and ambient temp. 25°C		R-404A*	Te -35°C	Declared COP (COP2)		1.11	1.16	1.40	-				1.58
		R-407A	Te -35°C	Declared COP (COP2)		-	1.12	1.08	-				1.51
Parameters at full load and ambient temp. 32°C (Point A)		R-404A*	Te -35°C	Rated COP (COPA)		0.96	0.97	1.09	1.22	1.14	1.06	1.36	1.36
		R-407A	Te -35°C	Rated COP (COPA)		-	0.89	0.85	0.98	0.97	0.93	1.03	1.26
Parameters at full load and ambient temp. 43°C		R-404A*	Te -35°C	Declared COP (COP3)		0.69	0.60	0.70	0.86	0.79	0.64	0.98	1.06
		R-407A	Te -35°C	Declared COP (COP3)		-	0.55	-	0.67	0.66	0.64	0.73	-
Dimensions	Unit		Height	mm		607	662		872			1,727	1,727
			Width	mm		876	1,101		1,353			1,348	1,348
			Depth	mm		420	444		575			605	605
Weight	Unit			kg		55	76	77	132		133	203	200
Compressor	Type					Reciprocating compressor	Scroll compressor						
	Model					CAJ2446Z	ZF06K4E-TFD	ZF09K4E-TFD	ZF13K4E-TFD	ZF15K4E-TFD	ZF18K4E-TFD	ZF25K5E-TFD	ZF18KVE-TFD-EVI
	Oil	Charged volume		l		0.9	-		1.90				1.90
	Oil Type					Uniqema Emkarate RL32CF	Polyester oil (Copeland Ultra 22 CC. 32 CC and 32-3MAF. Mobil EAL™ Arctic 22 CC. Uniqem Emkarate RL32CF						
	Piston displacement			m^3/h		4.55	5.90	8.00	11.80	14.50	17.10	21.40	17.1
Fan	Type					Axial							
	Air flow rate	Cooling	Nom	m^3/h		1,300	2,700		-			5,750	5,870
Sound pressure level	Nom.			dBA		31 (2)	32 (2)	33 (2)	37 (2)	39 (2)	41 (2)		37
Refrigerant	Type					R-404A							
	Type 2					-	R-407A						
	GWP					3,921.6							
	GWP Type 2					-	2,107.0						
Piping connections	Liquid line connection			inch		3/8"			1/2"				7/8"
	Suction line connection			inch		1/2"	3/4"		7/8"			1 1/8"	1/2"
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230	3~/50/400						

(1) SRG 20°C, Ta=32°C, Te=-35°C (2) Average sound pressure level is measured at 10m in anechoic room

* R-404A refrigerant is not 2020 F-Gas Compliant

Blue cells contain preliminary data

Condensing unit for outdoor installation with hermetic compressors

General features:

› Capacity for MT cooling: 0,9 kW to 26,7 kW
› Capacity for LT cooling: 0,6 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F, depending on the compressor
› Tecumseh, Maneurop, Copeland scroll
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General Description:

Compact air cooled condensing unit floor mounting, low noise, with hermetic compressors. Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, allowing for quick and easy maintenance.
The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.

CU1

CU3

Standard characteristics:

› Hermetic compressor with integral protection
› Dual HP/LP fixed switch with auto reset
› Liquid line filter dryer, liquid line sight glass
› Curved condenser with 6-pole fan motor
› Liquid receiver with safety pressure relief valve for PED units (depending on the model & PED class)
› Electrical box with capacity controller (only for digital scroll)
› Crankcase heater (only scroll type)

Normal cooling

Condensing unit		GCU-E	1006U01	107U01	1010U01	1012U01	1015U01	2025U01	2028U01	2035U01	2040U01E
Refrigeration capacity	0° C	W	1,428	1,704	2,097	2,470	3,162	5,186	6,102	7,350	7,557
	-10° C	W	974	1,177	1,498	1,710	2,075	3,013	3,848	4,628	5,173
Power input		kW	0.61	0.7	0.83	0.88	1.2	1.53	1.82	2.17	2.67
COP 32°C (1)			1.59	1.67	1.8	1.93	1.72	1.96	2.11	2.13	1.94
COP 25°C (1)			1.84	1.93	2.07	2.23	1.98	2.23	2.4	2.42	2.2
COP 43°C (1)			1.23	1.31	1.5	1.53	1.35	1.55	1.66	1.68	1.55
SEPR (1)			-	-	-	-	-	-	-	-	2.4
Annual Electricity Consumption (1)		Kwh/a	-	-	-	-	-	-	-	-	13,257
Dimensions Unit	Height	mm	625	625	625	625	625	800	800	800	800
	Width	mm	1150	1150	1150	1150	1150	1400	1400	1400	1400
	Depth	mm	500	500	500	500	500	550	550	550	550
Condenser air flow		m^3/h	1,840	1,840	1,840	1,830	1,830	3,600	3,600	3,600	3,370
Compressor			Tecumseh reciprocating hermetic compressor								
Refrigerant		Type/GWP	R-134A/1430								
Power supply		V/~/ Hz	230/1~/50					400/3~/50			

Deep freezing

Condensing unit		HCU-D	1010U01	1012U01	1015U01	1017U01	1020U01	2025U01	2035U01
Refrigeration capacity	-25° C	W	673	778	1,058	1,323	1,790	2,597	(2)
	-35° C	W	377	449	626	802	1,021	1,481	(2)
Power input		kW	0.45	0.53	0.62	0.85	1.2	1.41	(2)
COP 32°C (1)			0.83	0.85	1	0.94	0.85	1.05	(2)
COP 25°C (1)			0.98	0.99	1.16	1.09	1	1.22	(2)
COP 43°C (1)			0.62	0.64	0.76	0.73	0.59	0.79	(2)
SEPR (1)			-	-	-	-	-	-	(2)
Annual Electricity Consumption (1)		Kwh/a	-	-	-	-	-	-	(2)
Dimensions Unit	Height	mm	625	625	625	625	625	800	800
	Width	mm	1150	1150	1150	1150	1150	1400	1400
	Depth	mm	500	500	500	500	500	550	550
Condenser air flow		m^3/h	1,840	1,840	1,840	1,840	1,830	3,600	(2)
Compressor			Tecumseh reciprocating hermetic compressor						
Refrigerant		Type/GWP	R-452A/2141						
Power supply		V/~/ Hz	230/1~/50					400/3~/50	

Other refrigerants, compressors and options available on request (1) Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C/25°C/43°C, Evaporation temperature -10°C -35°C, 20°C suction gas temperature, Sub cooling 0K; (2) Not existing at the moment

Condensing unit for outdoor installation with semi hermetic compressors

General features:

› Capacity for MT cooling: 1,37 kW to 72,3 kW
› Capacity for LT cooling: 0,77 kW to 35,2 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F, R 407A
› Reciprocating: Bitzer, Dorin, Frascold
› Copeland Digital scroll and Stream reciprocation compressors
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

CU1

CU3_4

General Description:

Compact air cooled condensing unit floor mounting, low noise, with semi hermetic compressors. Designed specifically for small capacity refrigeration applications in small and medium sized food stores (e.g. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, allowing for quick and easy maintenance. The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.

Standard characteristics:

› Semi-hermetic compressors
› Crankcase heater - Kriwan
› Curved condenser with 6-pole fan motor
› Electrical box with terminal strip
› Liquid receiver with safety pressure relief valve for PED units
› Liquid line filter dryer, liquid line sight glass
› Dual HP/LP adjustable switch with auto reset
› Suction vibration eliminator
› Frequency driver (only with Inverter option)
› Bitzer Varispeed compressor (only for Inverter option)
› Electrical box with running processor (only for Inverter)

Normal cooling

Condensing unit			GCU-E	1010B01	10150B01	2020B01	2022B01	2025B01	2030B01	2040B01	3050B01	3060B01	4090B01
Refrigeration capacity	0° C		W	2,786	3,189	4,248	5,133	5,943	7,334	9,596	1,1711	13,899	17,574
	-10° C		W	1,929	2,335	2,957	3,550	4,161	5,155	6,897	8,270	9,885	12,520
Power input			kW	0.98	1.15	1.5	1.5	1.5	2.15	2.87	3.4	4.2	5
COP 32°C (1)				2.14	2.09	2.36	2.43	2.35	2.4	2.39	2.42	2.35	2.48
COP 25°C (1)				2.51	2.43	2.83	2.84	2.75	2.8	2.81	2.83	2.74	2.89
COP 43°C (1)				1.66	1.66	1.81	1.92	1.86	1.89	1.87	1.9	1.85	1.94
SEPR (1)				-	-	-	-	-	3.37	3.39	3.32	3014	3.38
Annual Electricity Consumption (1)			Kwh/a	-	-	-	-	-	9,407	12,520	15,180	19,331	22,788
Dimensions	Unit	Height	mm	625	625	800	800	800	800	800	1480	1480	1480
		Width	mm	1150	1150	1400	1400	1400	1400	1400	1400	1400	1680
		Depth	mm	500	500	550	550	550	550	550	550	550	750
Condenser air flow			m^3/h	1,830	1,830	3,600	3,600	3,370	3,050	3,050	6,740	6,740	6,740
Compressor				Bitzer reciprocating compressor									
Refrigerant			Type/GWP	R-134a/1430									
Power supply			V/~/ Hz	400/3~/50									

Deep freezing

Condensing unit			HCU-B	1007B01	1010B01	1015B01	1020B01	2020B01	2030B01	2050B01	3060B01	4090B01	4120B01
Refrigeration capacity	-25° C		W	971	1,193	1,562	1,875	3,099	4,025	5,657	7,563	8,823	9,358
	-35° C		W	536	690	886	1,097	1,854	2,478	3,497	4,677	5,394	5,641
Power input			kW	0,54	0,68	0,8	1	1,39	1,88	2,62	3,47	3,81	3,92
COP 32°C (1)				0.98	1.02	1.09	1.1	1.33	1.32	1.33	1.35	1.42	1.44
COP 25°C (1)				1.15	1.2	1.27	1.29	1.53	1.52	1.53	1.55	1.61	1.62
COP 43°C (1)				0.68	0.68	0.75	0.74	1.05	1.04	1.07	1.07	1.16	1.04
SEPR (1)				-	-	-	-	-	1.73	1.75	1.8	1.83	1.79
Annual Electricity Consumption (1)			Kwh/a	-	-	-	-	-	10,695	14,882	19,427	21,964	23,562
Dimensions	Unit	Height	mm	625	625	625	625	800	800	800	1480	1480	1480
		Width	mm	1150	1150	1150	1150	1400	1400	1400	1400	1680	1680
		Depth	mm	500	500	500	500	550	550	550	550	750	750
Condenser air flow			m^3/h	1,830	1,830	1,830	1,830	3,600	3,600	3,050	7,200	6,740	6,740
Compressor				Bitzer reciprocating compressor									
Refrigerant			Type/GWP	R-449A/1397									
Power supply			V/~/ Hz	400/3~/50									

Other refrigerants, compressors and options available on request (1)Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C/25°C/43°C, Evaporation temperature -10°C -35°C, 20°C suction gas temperature, Sub cooling 0K

Twin condensing unit for outdoor installation with twin-semi hermetic compressors

General features:

› Capacity for MT cooling: 8,5 kW to 26 kW
› Capacity for LT cooling: 7,5 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating: Bitzer, Dorin, Frascold
› Copeland Digital scroll and Stream reciprocation compressors
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General Description:

Compact air cooled condensing unit floor mounting, low noise, with hermetic compressors. Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, making maintenance quick and easy.
The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.

CU3

CU5

Standard characteristics:

› Two compressors parallel connected
› Level control oil system
› Curved condenser with 6-pole fan motor
› Electrical box with terminal strip
› Liquid receiver with safety pressure relief valve for PED units
› Liquid line filter dryer, liquid line sight glass
› Dual HP/LP adjustable switch with auto reset
› Suction vibration eliminator
› Electrical box with Running processor (only for Inverter)

Normal cooling

Condensing unit		GCU-E	4040L01	4060L01	4080L01	5120L01	5140L01	5180L01
Refrigeration capacity	0° C	W	11,900	15,200	19,200	27,800	30,400	36,400
	-10° C	W	8,328	10,596	13,800	19,783	21,249	25,694
Power input		kW	3.53	4.4	5.7	8.42	8.3	10
COP/EER (1)			2.4	2.4	2.4	2.3	2.6	2.6
SEPR(1)			3.52	3.6	3.71	3.55	3.75	3.8
Annual Electricity Consumption(1)		Kwh/a	14,526	18,098	22,905	24,299	34,808	41,562
Dimensions Unit	Height	mm	1480	1480	1480	1480	1480	1480
	Width	mm	1680	1680	1680	2405	2405	2405
	Depth	mm	750	750	750	750	750	750
Condenser air flow		m^3/h	7,800	7,800	7,300	15,600	15,600	14,600
Compressor			Bitzer reciprocating compressor					
Refrigerant		Type/GWP	R-134A/1430					
Power supply		V/~/ Hz	400/3~/50					

Deep freezing

Condensing unit		HCU-J	4080L01	4100L01	412L01
Refrigeration capacity	-25° C	W	9,400	11,100	13,600
	-35° C	W	5,732	6,725	8,904
Power input		kW	4.5	5.3	6.7
COP/EER (1)			1.3	1.3	1.3
SEPR(1)			1.78	1.8	1.83
Annual Electricity Consumption(1)		Kwh/a	23,949	27,806	36,214
Dimensions Unit	Height	mm	1480	1480	1480
	Width	mm	1680	1680	1680
	Depth	mm	750	750	750
Condenser air flow		m^3/h	7,600	7,900	7,300
Refrigerant		Type/GWP	R 407F/1825		
Power supply		V/~/ Hz	400/3~/50		

Other refrigerants, compressors and options available on request. (1)Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C, Evaporation temperature -10°C/ -35°C, 20°C suction gas temperature, Sub cooling 0K

Multi compressor condensing unit with scroll/digital scroll compressors

General features:

› Capacity for MT cooling: 10,5 kW to 102 kW
› Capacity for LT cooling: 7,5 kW to 48,5 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Copeland scroll and digital scroll compressors
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from pre-painted steel sheet, with vertical condenser placed on 1 or 2 sides of the unit and fans (2, 3, 4, or 5) placed on frame top covering sheet.
The compressors are installed in a soundproof compartment separate from the condenser side, but allowing ventilation.
The compartment is simple soundproofing insulated (SMP).

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there are one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.

CM Scroll

The refrigeration system is fitted with:

› General high pressure switch, adjustable and autoresetting
› General low pressure switch, adjustable and autoresetting
› Emergency low pressure switch, adjustable and autoresetting
› Low pressure switches for each compressor emergency, adjustable and autoresetting
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Standard electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermo- contacts for each single fan.
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
Four alarm signals: emergency (button + lamp, fans block, high pressure switch block, low pressure switch block.
Electronic speed regulator for condenser fan with pressure probe for three phase fans and with temperature probe for mono phase fans + bypass
The electrical panel is placed horizontally on the top front side of the unit, inside the panel sheets for frame 1, 2 and 3; grid, ventilation fan and double door for frames 4, 5, 6 and 7.

Multi compressor condensing unit with semi hermetic compressors

General features:

› Capacity for MT cooling: 48 kW to 150 kW
› Capacity for LT cooling: 20 kW to 85 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating semi hermetic compressors: Bitzer, Dorin, Frascold, Copeland stream
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General description:

Basic Frame Version:
Basic frame made from folded and painted steel sheet, screwed with bolts to make a basic structure to fix the components on it.

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with only one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
Compressors used for low temperature are complete with fan heads.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.

CM Semi hermetic

The refrigeration system is fitted with:

› General high pressure switch, adjustable and autoresetting
› General low pressure switch, adjustable and autoresetting
› Oil pressure switch for each compressor
› Emergency low pressure switch, adjustable and autoresetting
› Low pressure switches for each compressor emergency, adjustable and autoresetting
› Electronic speed regulator for condenser fan with pressure probe for three phase fans and with temperature probe for mono phase fans + bypass
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermal contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with grid and ventilation fan
On the door there is the electronic card and 4 lamps: emergency (button + lamp), fans block, high pressure switch block, low pressure switch block, and selector for on/off compressors

ZEAS condensing unit for medium and low temperature refrigeration

Why choose ZEAS?

Whether it is restaurants, supermarkets or event halls – Zeas from Daikin is as individual as the requirements of the industries where it is used.

High energy efficiency

› Daikin DC inverter scroll compressor with economizer technology
› DC inverter fan technology
› Eco-design compliant

BENEFITS

› **Lower energy bills**
The use of Daikin proven DC technology results in lower energy bill compared to the use of standard ON/OFF units and even other capacity controller refrigeration units

› **Our units are future proof**
Combining Daikin innovating economizer technology with in house DC technology results in very high efficient units allowing us to outperformed the most severe eco-design minimum performance for the coming decades

Reliable operation

› Zeas condensing units are rigorously tested on the assembly line
› Proven inverter scroll technology
› Proven onboard innovating economizer technology
› Anti-corrosion treatment on the housing ensures long life even in extreme conditions

BENEFITS

› **Optimal food conservation**
Accurate temperature and humidity control can be easily suited to the requirements for different foods and beverages resulting in less waste of precious products

› **Longer lifetime expectation of our compressor**
Less thermal stress on our bearings and motor windings due to the implementation of Daikin High quality DC technology in our compressor

› **Longer lifetime expectations of our units**
The use of our innovating economizer technology in our units guarantee that our the compressor always operates within his operating envelop even in the most harvest conditions: excessive superheat at the inlet of the compressor resulting from improper quality of installation on the refrigerated cabinets side

› **No leaks**
Each new Daikin designed unit is put on a vibration plate in the factory to be sure that no leak and component damage can occur during transport. Even further, in the assemble line the Zeas unit undergo several leak test

› **No "dead on arrival"**
ALL units leaving the factory, have already run at the end of the assembly line

› **Lower installation cost**
Due to the use of the onboard economizer technology and the use of the correct low GWP refrigerant we only required the use of smaller pipes compared to other traditional systems, thus also lowered the refrigerant charge of the system

Small foot print and low weight

› Extremely compact and space-saving design
› Easy to install, even in the smallest spaces
› Indoor installation possible
› Best surface to capacity ration on the market
› Low weight thanks to compact design

BENEFITS

› **Only light weight supporting structures are required**

› **No installation restrictions anymore**
Our mini Zeas due to his compact design, light weight and very silent operation can be installed everywhere!

› **No special crane are required**
The ZEAS units are so compact that it can fit in an elevator

Peace of mind

› Quiet operation, unobtrusive for customers and neighbours
  - High grade sound on panels and compressors
  - Condenser fans designed to limit the noise
  - 4 low noise operation settings including night mode
› Wide temperature range allows multiple cabinet, freezer and cold room combinations

BENEFITS

› **Happy neighbours and no installation restrictions anymore**
The focus on sound criteria during the design of the units results in the most silent unit(s) of the market (till 25 dB(A) @ 10 m free field conditions)

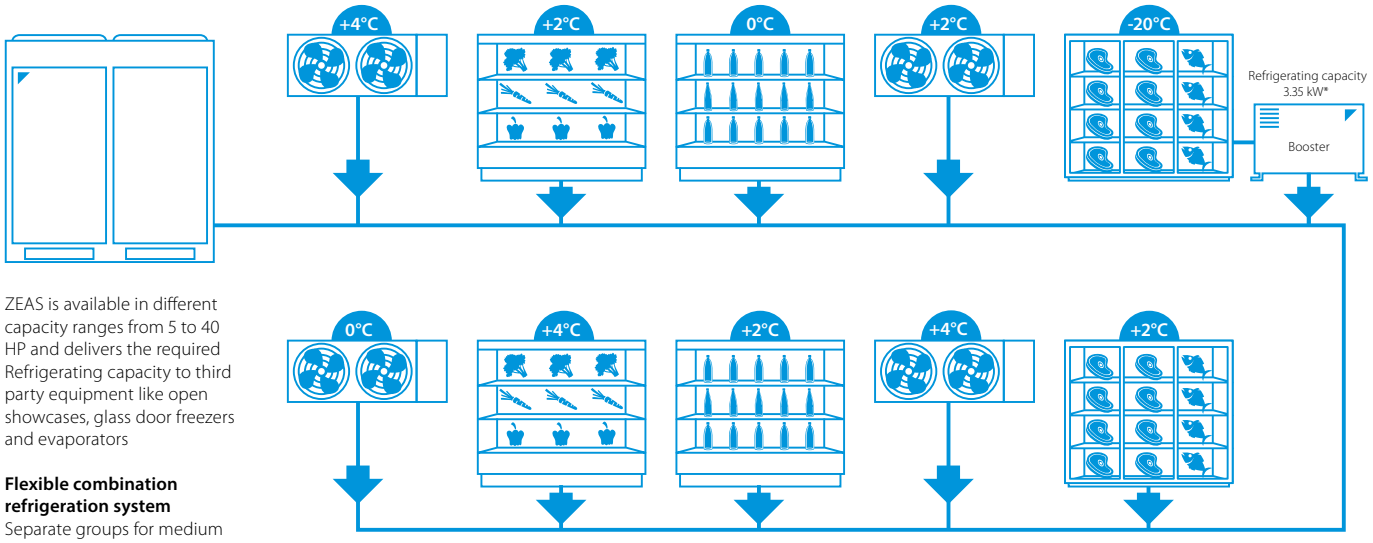
Intelligent control

› Unit can be connected to third party monitoring system
› Remote control of target evaporation temperature, reset errors and other functions
› Refrigeration unit can be controlled remotely through a power full interface

BENEFITS

› **Quick installation and commissioning**
Advanced software solution for easy system configuration and commissioning
› **Peace of mind**
Easy monitoring of ZEAS unit by third party Building Management Systems through the use of our Modbus interface

ZEAS, the smart choice for medium and low temperature refrigeration



ZEAS is available in different capacity ranges from 5 to 40 HP and delivers the required Refrigerating capacity to third party equipment like open showcases, glass door freezers and evaporators

Flexible combination refrigeration system
Separate groups for medium and low temperature cooling, each with multiple cabinets and different temperatures. This flexibility and energy savings of up to 50% are only possible with ZEAS-systems.

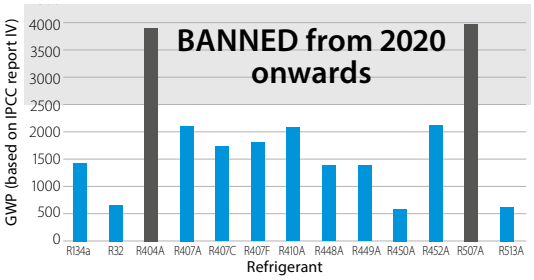
Operating range
Ambient temperatures: -20°C to +43 °C
Evaporating temperatures: -45°C to +10°C

* Te= -35°C, Tc = -10°C, 10 K SH, Tamb = 32°C
* Only Zeas. Not applicable for Mini-Zeas and Multi-Zeas

Why R410A?

R410A is a lower GWP refrigerant (less than 2500) than R404A and is fully F-gas compliant. It's future proof: it can be used even after 2030!

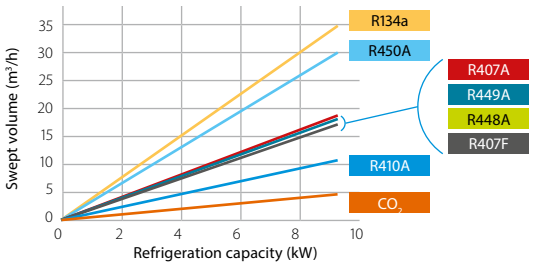
Use of refrigerant in refrigeration system with a refrigeration lower than 40 kW



Contributes to reducing installation cost and refrigerant charge

R410A is a high pressure refrigerant which for the same swept volume can deliver much more refrigeration capacity than standard mid pressure and low pressure refrigerants.

Delivered capacity per used refrigerant

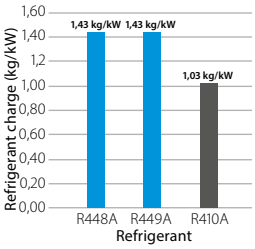


This means that for the same delivered refrigeration capacity we can use smaller components, thus reducing the installation cost and the amount of refrigerant charge in the system!

For a capacity of 8,4 kW (Te = -10°C / Tamb = 32°C)

Refrigerant	Suction piping diameter
R134a	1 1/8"
R407A	7/8"
R407F	7/8"
R448A	7/8"
R449A	7/8"
R450A	1 1/4"
R410A	3/4"
CO2	1/2"

Refrigerant charge per used refrigerant (Te = -10°C / Tamb = 32°C)



R410A is also:

› an easy to handle, common used refrigerant in the air conditioning world, therefore it is easy to find an installer which can work with this refrigerant, compared to CO_2, Ammonia and Propane.
› an A1 refrigerant, therefore no special safety measurements are required.

Mini-ZEAS condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for small food retailers

- Inverter technology guarantees optimal food conservation by ensuring an accurate temperature and humidity control
- The economized scroll contributes to a longer lifetime expectation of the refrigeration equipment and less maintenance requirement
- The use of R-410A refrigerant allows the use of smaller piping diameters, thus reducing the refrigerant content in the system helping to lower our CO2 footprint . R-410A is fully compliant with the latest F-Gas regulation and can be still used after 2020 and beyond
- The DC economized compressor improves drastically the efficiency of the unit, thus helps lowering the energy bill!
- Lowest sound level in the market down to 31 dBA. Sound level can be even further reduced thanks to the low noise modes
- The weight of the unit is very low, therefore the unit can even be mounted on the wall
- Up to 75% smaller than equivalent products in the market, ideal for those places where space is limited
- Advanced software solution for easy system configuration and commissioning

LRMEQ-BY1

Low temperature version coming soon!

Daikin technology increases the love for German Gourmet

DAIKIN's new Mini-ZEAS condensing unit is ensuring constant refrigeration in storage and production areas at the newly refurbished butcher shop, in mid west Germany. The key to maintaining the quality of the shop's fresh meat and deli products is to store them at constant temperatures, which is also legislatively required to be quality controlled at all times. DAIKIN's new Mini-ZEAS condensing unit, which is specially designed for small-scale commercial refrigeration applications, ensures exactly that. **Fleischeslust, Bensheim,Germany.**

Medium Temperature Refrigeration				**LRMEQ-BY1**	**3**	**4**
Connectable capacity	Minimum~Maximum			%	50~100	
Refrigerating capacity	Medium temp.	Nom.		kW	5.90 (1)	8.40 (1)
Power input	Medium temp.	Nom.		kW	2.53 (1)	3.65 (1)
COP	Medium temp.	Nom.			2.33 (1)	2.30 (1)
Seasonal energy performance ratio SEPR	R-410A	Te -10°C			4.17	4.08
Annual electricity consumption Q	R-410A	Te -10°C		kWh/a	8,698	12,651
Parameters at full load and ambient temp. 32°C (Point A)	R-410A	Te -10°C	Rated COP (COPA)		2.33	2.30
Parameters at full load and ambient temp. 43°C	R-410A	Te -10°C	Declared COP (COP3)		1.51	1.48
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320	
Weight	Unit			kg	126	
Heat exchanger	Type				Cross fin coil	
Compressor	Type				Hermetically sealed scroll compressor	
	Starting method				Direct on line (inverter driven)	
Fan	Type				Propeller	
	Quantity				2	
	Air flow rate	Cooling	Nom.	m^3/min	106	
Fan motor	Output			W	70	
	Drive				Direct drive	
Sound pressure level	Nom.			dBA	51 (2)	
Piping connections	Liquid	OD		mm	9,52	
	Gas	OD		mm	19.1	
Refrigerant	Type/GWP				R-410A/2,087.5	
	Charge			kg/TCO2Eq	4.50/9.39	
	Control				Electronic expansion valve	
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415	

(1)Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C
(2)Sound pressure data: measured at 1m in front of unit, at 1.5m height

ZEAS condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for medium to large capacity applications featuring proven VRV technology

LREQ-BY1(R)

- One model for all applications from -45°C to 10°C evaporating temperature
- Perfect solution for all cooling and freezing applications with variable load conditions and high energy efficiency requirements. In particular used in supermarkets, cold storage, blast coolers and freezers etc.
- DC inverter scroll compressor with economiser function results in high energy efficiency and reliable performance
- Reduced CO2 emissions thanks to the use of R-410A refrigerant and low energy consumption
- Factory tested and pre-programmed for quick and easy installation and commissioning
- VRV (Variable Refrigerant Volume) technology for flexible application range
- Increased installation flexibility thanks to limited dimensions
- Low sound level including „night mode" operation
- For small freezing capacity, single ZEAS units can be connected to a booster unit
- Dedicated unit to allow multi combination of 2 x 15 HP or 2 x 20 HP resulting in less pipework or installation time

					LREQ-BY1	5	6	8	10	12	15	20
Refrigerating capacity	Low temperature		Nom.		kW	5,51 (1)	6,51 (1)	8,33 (1)	10,0 (1)	10,7 (1)	13,9 (1)	15,4 (1)
	Medium temperature		Nom.		kW	12,5 (2)	15,2 (2)	19,8 (2)	23,8 (2)	26,5 (2)	33,9 (2)	37,9 (2)
Power input	Low temperature		Nom.		kW	4,65 (1)	5,88 (1)	7,72 (1)	9,27 (1)	9,89 (1)	12,8 (1)	14,1 (1)
	Medium temperature		Nom.		kW	5,10 (2)	6,56 (2)	8,76 (2)	10,6 (2)	12,0 (2)	15,2 (2)	17,0 (2)
Seasonal energy performance ratio SEPR		R-410A	Te -10°C			3,86	3,79	3,64	3,42	3,51	3,38	3,23
			Te -35°C			1,80	1,77	1,84	1,88	1,80	1,70	1,70
Annual electricity consumption Q		R-410A	Te -10°C		kWh/a	19.907	24.681	33.483	42.794	46.377	61.683	72.030
			Te -35°C		kWh/a	22.805	27.453	33.817	39.747	44.363	61.090	67.325
Parameters at full load and ambient temp. 32°C (Point A)		R-410A	Te -10°C	Rated COP (COPA)		2,45	2,32	2,26	2,25	2,21	2,23	
			Te -35°C	Rated COP (COPA)		1,18	1,11	1,08			1,09	
Parameters at full load and ambient temp. 43°C		R-410A	Te -10°C	Declared COP (COP3)		1,54	1,57	1,40	1,46	1,47	1,46	1,51
			Te -35°C	Declared COP (COP3)		0,76	0,74	0,68	0,70	0,71		0,74
Dimensions	Unit		Height		mm	1.680						
			Width		mm	635		930			1.240	
			Depth		mm	765						
Weight	Unit				kg	166		242			331	337
Heat exchanger	Type					Cross fin coil						
Compressor	Type					Hermetically sealed scroll compressor						
	Output				W	2.600	3.200	2.100	3.000	3.400	2.600	3.400
	Piston displacement				m^3/h	11,18	13,85	19,68	23,36	25,27	32,24	35,8
	Speed				rpm	5.280	6.540	4.320	6.060	6.960	5.280	6.960
	Starting method					Direct on line (inverter driven)						
Compressor 2	Output				W	-		3.600				
	Speed				rpm	-		2.900				
Compressor 3	Output				W	-					3.600	
	Speed				rpm	-					2.900	
Fan	Type					Propeller fan						
	Quantity					1					2	
	Air flow rate	Cooling	Nom.		m^3/min	95	102	171	179	191	230	240
Fan motor	Output				W	350		750			350	750
	Drive					Direct drive						
Fan motor 2	Output				W	-					350	750
Sound pressure level	Nom.				dBA	55,0 (3)	56,0 (3)	57,0 (3)	59,0 (3)	61,0 (3)	62,0 (3)	63,0 (3)
Operation range	Evaporator	Cooling	Max.~Min.		°CDB	10~-45						
Refrigerant	Type / GWP					R-410A / 2.087,5						
	Charge				kg	5,2		7,9			11,5	
					TCO_2eq	10,9		16,5			24,0	
	Control					Electronic expansion valve						
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/380-415						

					LREQ-BY1	30	40
System	Outdoor unit module 1					LREQ15BY1R	LREQ20BY1R
	Outdoor unit module 2					LREQ15BY1R	LREQ20BY1R
Refrigerating capacity	Medium temperature		Nom.		kW	67,8 (1)	75,8 (1)
	Low temperature		Nom.		kW	27,8	29,6
Power input	Medium temperature		Nom.		kW	30,4	34,0
	Low temperature		Nom.		kW	25,6	27,6
Sound pressure level	Nom.				dBA	65,0	66,0
Piping connections	Liquid					ø 19,05	
	Gas					ø 41,28	

(1) Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C (2) Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height | RLA is based on following conditions: outdoor temp. 32°CDB; suction SH 10°C; saturated temperature equivalent to suction pressure -10°C

Cleaens

Hubbard Condensing units with CO_2 refrigerant

Contact your Daikin refrigeration specialist for more info!

☑ MT	3,56 kW - 24,6 kW
☑ LT	1,54 kW - 9,56 kW

Standard Condensing units

Standard condensing units with transcritical cycle

- Chassis in galvanized and painted steel sheet. Bodyworking and soundproofing available
- High modular concept.
- The gascooler can be disconnected from the unit
- Electrical board with all the necessary electronics for the operation of the unit
- 1 MT compressor
- (Optional) Frequency drive
- All piping done in stainless steel
- Multiple options possible to facilitate transport of the unit
- All necessary safety devices
- 3 air exit configurations
- Reduced dimensions
- Easy to transport
- Until 6 assembly options

F-Gas Free

Switchboard

Plug&Play

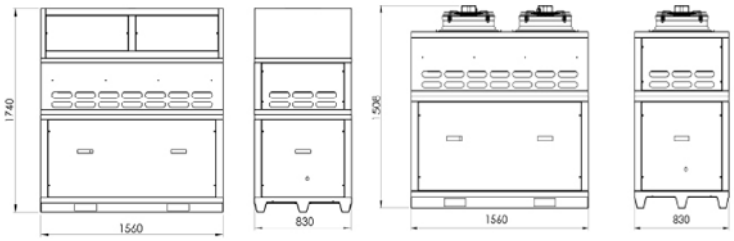
Electronic Control

Proportional Modulation

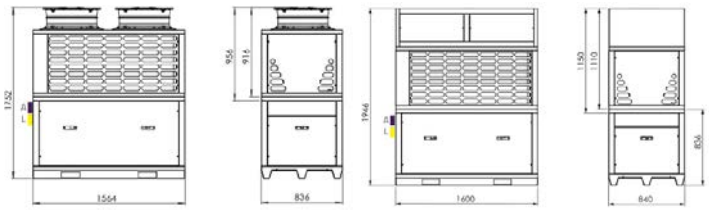
Heating Interchanger (Optional)

Protective Case

FNV42



FNV58



☑ MT — 1 comp.

FC17 832 mm	7 kW / 9 kW
FNV42 1.560 mm	18 kW / 22 kW
FNV58 1.560 mm	38 kW / 45kW

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global — MSC Mechanical subcooler — PC Parallel compressor — Heating interchanger — Axial — Radial

Small Booster Condensing units

Small condensing units with Transcritical cycle

- Gas cooler with Axial or Radial EC fans.
- Air connection:Three different configurations
- V-shaped gas cooler optimized for CO2 applications
- Compressor configuration:
  CU: 1 x MT
  Racks: 1 x MT + 1 x LT/2xMT
- Racks Standard delivery:
  Inverter: 1x MT and 1x LT compressor
  CU: inverter optional
- High safety level with pressure relief valves, pressure switches and intelligent controls
- Stainless steel Piping
- Galvanized and painted sheet metal chassis and weather proof enclosure.
- Optional: acoustic insulation
- Electrical Panel including electronic controller and control panel
- Modular concept - The gascooler can be disassembled from the unit and assembled in different configurations
- Reduced dimensions
- Easy to transport
- Until 6 assembly options

F-Gas Free

Switchboard

Plug&Play

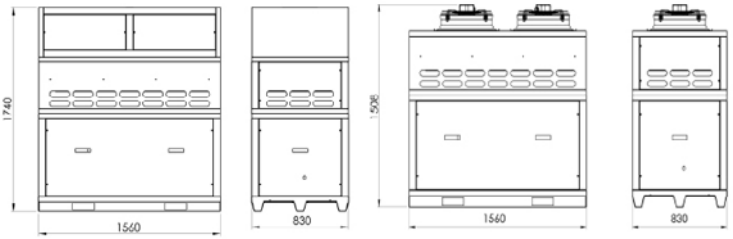
Electronic Control

Proportional Modulation

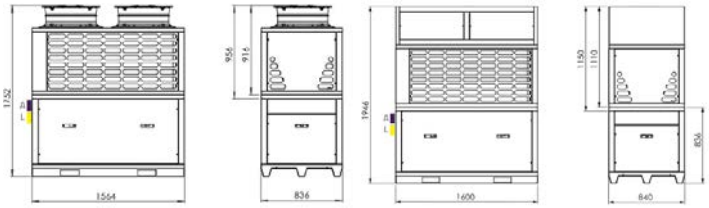
Heating Interchanger (Optional)

Protective Case

FNV42



FNV58



☑ MT
☑ MT + LT

2 comp.
1+1 2+1

FNV42 1.560 mm	8 kW 18 kW 22 kW
FNV58 1.560 mm	10 kW 40 kW 45 kW

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global

MSC Mechanical subcooler

PC Parallel compressor

Heating interchanger

Axial

Radial

Large Booster Condensing units

Large condensing units with Transcritical cycle

- Gas cooler with Axial or Radial EC fans.
- Air connection: Three different configurations
- (Optional) Heat recovery heat exchanger to take advantage of the "free heat" for air conditioning or for sanitary application
- Galvanized and painted sheet metal chassis and weather proof enclosure.
- Optional: acoustic insolation
- Large liquid receiver
- All piping done in stainless steel
- Design adapted for loading and transportation
- (Optional) Parallel compressor(s) to improve further the efficiency of the unit. Only for FCZ range where more than 2 compressor(s) can be used
- Compressor configuration Bitzer/Dorin:
  MT compressor(s)
  Possibility to have combination of MT and LT compressor
- Racks Standard delivery:
  Inverter: 1x MT and 1x LT
- Electrical Panel including electronic controller and control panel

- High safety level with pressure relief valves, pressure switches and intelligent controls
- Visible panel of manometers and pressostats
- High modular concept.
- The gascooler can be disconnected from the unit

F-GAS F-Gas Free

Electronic Control

Proportional Modulation

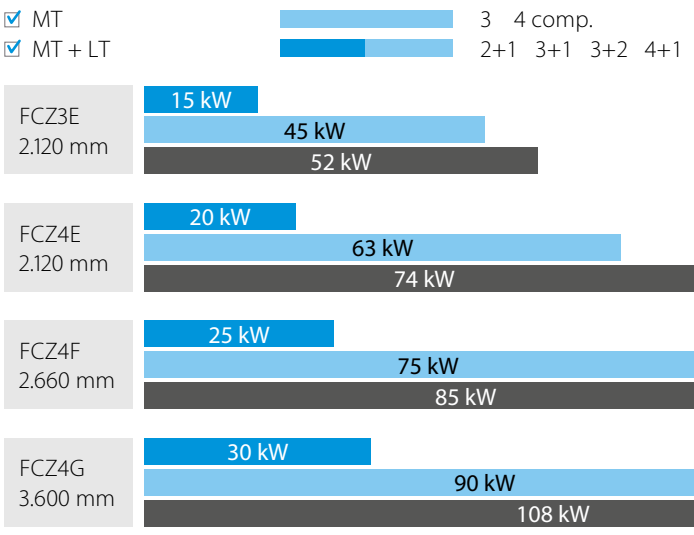
Heating Interchanger (Optional)

Protective Case

PC Parallel compressors (Optional)

Switchboard

MSC Mechanical Subcooler (Optional)



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger Axial Radial

Compressor packs & racks

Compressor packs & racks

Freezing (Low temperature) (-20° C)

Chilling (Medium temperature) (0° C)

Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450	500
	CC Series												
Racks	Mini racks - FNB Compressor racks - FCCE Duplex racks - FUF, FUG, FUH, FUJ												

Compressor packs & racks

Multi compressor units

- ☑ Open frame for multi-compressors racks
- ☑ Three or four compressors on parallel
- ☑ Many different compressor types
  - › Hermetic
  - › Hermetic Scroll (Brand : Copeland)
  - › Semihermetic reciprocating (Brand: Bitzer, Dorin, Copeland Stream & Frascold)
  - › Screw (Brand: J&E Hall (single screw) and Bitzer (twin screw)
    - • Larger Refrigeration capacities or solution with screw compressors has to be selected from our technical department.
    - • Consist in many models for medium and low temperature, with a refrigeration capacity up to 900,000 Watt.
- ☑ Compatible with latest refrigerants*

Standard features

- › Metal open frame with electrical switchboard
- › Compressor parallel with discharge and suction header
- › Liquid receiver
- › Liquid line
- › High and low pressure switch
- › Electrical switchboard complete with electronic control

Most common used options:

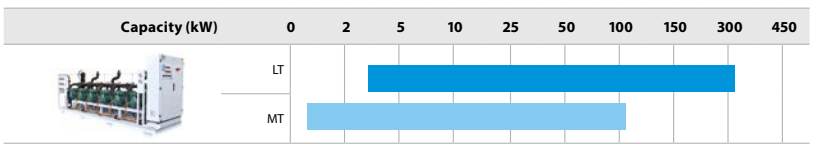
- › Panels to close the frame and put it outside
- › Oil equalization through mechanical floating valve
- › Oil equalization through electronic valve
- › Oversized liquid receiver
- › Refrigerant charge

Other options available on request

*Note: Selection from Selection software based on R404A, R134a and R407F

Single Screw compressor

The single screw compressor consists of a main single screw and two gate rotors. They are designed for high capacities and optimal performances through the step less capacity control.



Multi compressors rack unit with Scroll/Digital scroll and hermetic reciprocating compressors

CC scroll

CC hermetic

General features:

› Capacity for MT cooling: 7,2 kW to 26 kW
› Capacity for LT cooling: 6,6 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F depending on the used compressor
› Copeland scroll/digital scroll, Tecumseh and Maneurop reciprocation hermetic compressors
Other types, brands and capacities are possible upon request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from folded and pre-painted steel sheet, with complete closed frame with simple sound proof material and anti-vibration
Supports (CC Standard)

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.

The refrigerating system is fitted with:

› General high pressure switch, adjustable and auto-resetting
› General low pressure switch, adjustable and auto-resetting
› Emergency low pressure switch, adjustable and auto-resetting
› Low pressure switches for each compressor emergency, adjustable and auto-resetting
› High pressure switches to control condenser fans, adjustable and auto-resetting
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge
› With or without integrated condenser

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermo contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with grid and ventilation fan
On the door there is the electronic card and 4 lamps: emergency (button + lamp), fans block, high pressure switch block, low pressure switch block, and selector for on/off compressors.
Condensation control through pressure switches: 1 pressure switch every 2 fans, standard 2 pressures

Accessories:

INSRD	Closed frame with double layer sound proofing material
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve
TRAXOIL	Electronic oil distribution system
INSRD	Closed frame with double layer sound proofing material

RIC. LIQ.	Oversized liquid receiver
CFF	Compressors sound shell
ELC.C	Electronic card EWCM4180 - XC1000D – EWCM9100
FQD	Frequency driver

Other additional equipment and special requirements on request

Multi compressor rack unit with semi hermetic compressors

General features:

› Capacity for MT cooling: 25 kW to 320 kW
› Capacity for LT cooling: 13 kW to 133 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating semi hermetic compressors: Bitzer, Dorin, Frascold, Copeland stream
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from folded and painted steel sheet, screwed with bolts to make a basic structure to fix the components on it.

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with only one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
Compressors used for low temperature are complete with fan heads.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.

CC Semi hermetic

The refrigerating system is fitted with:

› General high pressure switch, adjustable and auto-resetting
› General low pressure switch, adjustable and auto-resetting
› Oil pressure switch for each compressor
› Emergency low pressure switch, adjustable and auto-resetting
› Low pressure switches for each compressor emergency, adjustable and auto-resetting
› High pressure switches to control condenser fans, adjustable and auto-resetting (the pressure switches control 2 fans; if there are more than 4 condenser fans, the quantity of pressure switches installed increases to a maximum of 4)
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector, fuses for fans protection, thermal contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with grid and ventilation fan
On the door there is the electronic card and 4 lamps : emergency (button + lamp), fans block, high pressure switch block, low pressure switch block, and selector for on/off compressors
Condensation control through pressure switches: 1 pressure switch every 2 fans, standard

Accessories:

INSRD	Closed frame with double layer sound proofing material
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve
TRAXOIL	Electronic oil distribution system
INSRD	Closed frame with double layer sound proofing material
CFF	Compressors sound shell
FQD	Frequency driver

RIC. LIQ.	Oversized liquid receiver
FREON	Refrigerant charge
ELC.C	Electronic card EWCM4180 - XC1000D – EWCM9100
CR1	CR1 Capacity controller
CR2	CR2 Capacity controller
CAP	Capacity step controled compressors

Other additional equipment and special requirements on request

The final leap towards natural refrigeration

Power and compressors

The compression sets are made up of 2 to 4 compressors except in the case of parallel compression, which adds up to 2 specific compressors.

BT

FULL SERIES 10 kW - 60 kW

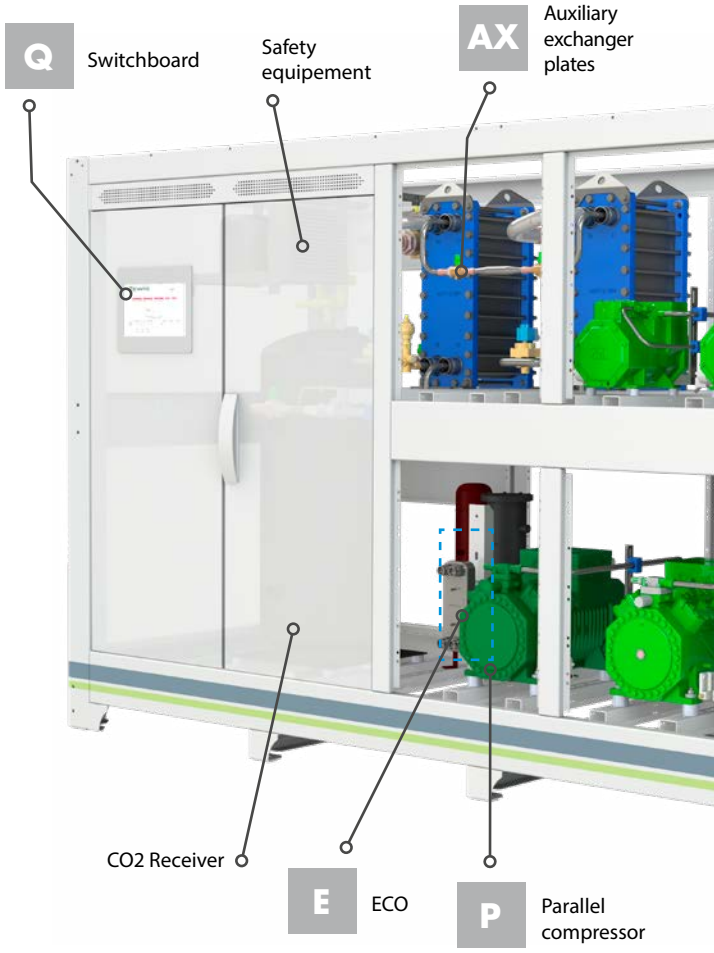
MT

10 kW **FULL BT** 110 kW
Transcritical booster

20 kW **FULL BPT** 210 kW
Traditional booster with parallel compression

15 kW **FULL BC** 190 kW
Booster with condensation assistant

30 kW **FULL BPC** 240 kW
Subcritical booster with parallel compression



Efficiency improvement by modulation

One frequency inverter for each compression group adapts its function parameters to the system cooling necessities continuously saving energy and extending the service life of the machine.

Chassis

FullCO$_2$ models are available in sheet metal chassis, accesible 360º with option of housing and acoustic insulation.

Plug & play

The units are prepared for a very agile start-up at a mechanical and electronic level, with built-in electric panel.

Technology for Everyone

EASY MAINTENANCE

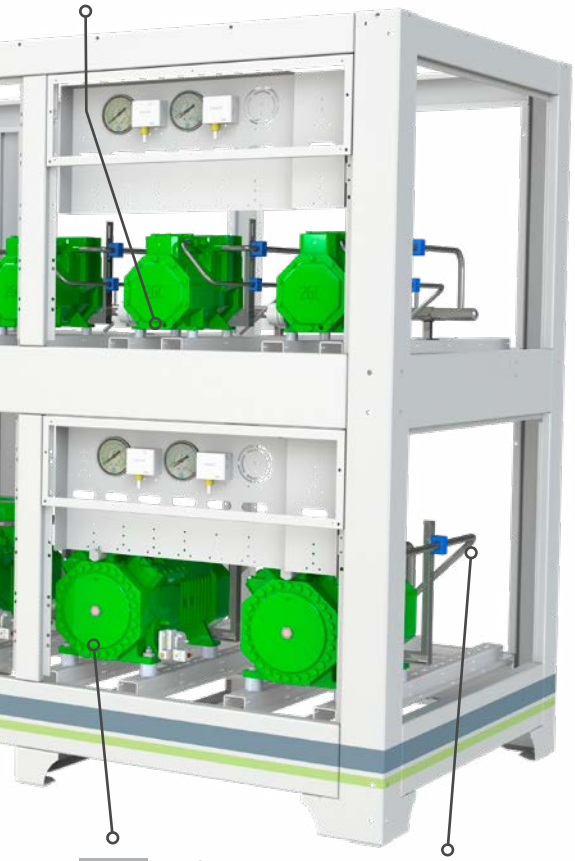
Automation and operation of the system are made with open technology standards. Thus the customer does not depend on a single manufacturer or installer, which decreases maintenance and repair costs.

Double safety

double safety

Several components have been designed to perform a second function in case of failure avoiding the system shutdown.

FULL CO_2



BT **Low temperature group**
Covers freezing needs. Equipped with oil system, gas cooler connections and all necessary protection and safety elements.

MT **Medium temperature group**
It covers the refrigeration needs and allows the operation of the BT group. Equipped with oil system, gas cooler connections and all necessary protection and safety elements. Includes CO_2 receiver.

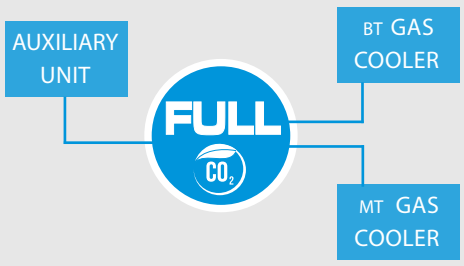
AX **Auxiliary exchanger plates**
They keep the plant at its optimum operating point when ambient temperatures are high.

P **Parallel compressor**
The efficiency of the system is considerably increased.

E **Economizer**
Increases the efficiency of the system by making the MT compressors give part of their power to the BT group.

Q **Switchboard**
Integrated and easy to use via touch screen, it displays an exclusive control software.

Full CO_2 general scheme



Retrofit & external condensation

Our system offers the possibility to take advantage of an existing machine using it in ancillary functions and also, recover a large amount of gas, with the consequent savings.

FullBC & FullBPC models allow to assist the condensation of the CO_2 booster in different ways:

› Using an already present unit (Retrofit).
› Partially using equipment from another service such as air conditioning.
› Installing a specific equipment recommended by Tewis.

Small Racks

Small transcritical units without condenser

- Small dimensions: 1600 x 840 x 840 mm
- Easy transportation
- Complete switchboard with protections, according to European legislation
- Switchboard includes an advanced control software to manage all the electrical and electronic switches of the machine
- 2 compressors
- Safety mode: In case of anomalous increase in temperature or pressure in the liquid zone, the safety equipment is activated by stabilizing the CO2 pressure.
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant.
- Heat recovery (optional) which allows to take advantage of the heat generated by the system discharge for air conditioning or ACS.

F-Gas Free

Switchboard

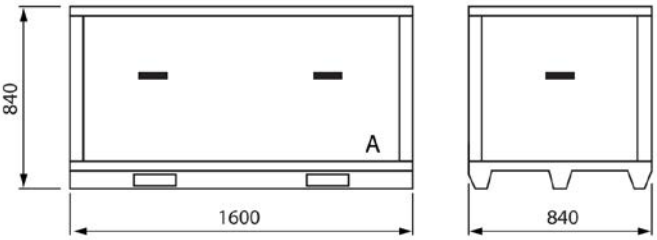
Plug&Play

Electronic Control

Proportional Modulation

Heating Interchanger (Optional)

Protective Case



☑ MT		1	2 comp.
☑ MT + LT		2+1	

FNB 1.560 mm	10 kW	
	40 kW	
	45 kW	

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global

MSC Mechanical subcooler

PC Parallel compressor

Heating interchanger

Medium Racks

Transcritical units without condenser

- Adapted design for loading and transportation
- Integrated switchboard. Easy to use via touch screen and displays an exclusive control software
- Heat recovery (optional) which allows to take advantage of the heat generated by the system discharge for air conditioning or ACS.
- Parallel compressor (optional).
- The parallel compression includes one or two compressors that extract steam from the accumulation tank, lightening the load of the rest of the compressors and improving their efficiency index.
- Possibility of incorporating up to 4 compressors
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant.
- Mechanical subcooler exchanger, connected to an auxiliary unit that cools the discharge of the transcritical fluid, reducing steam and increasing the efficiency of the system

F-Gas Free

Plug&Play

Proportional Modulation

Protective Case

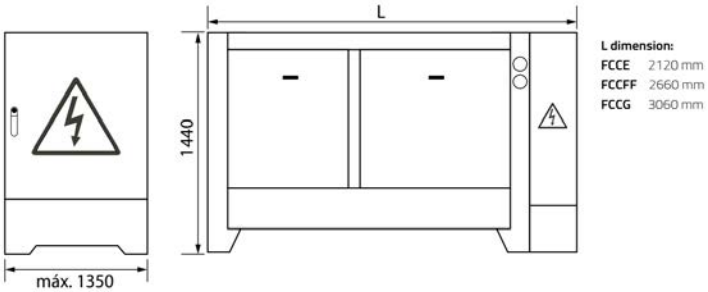
Switchboard

Electronic Control

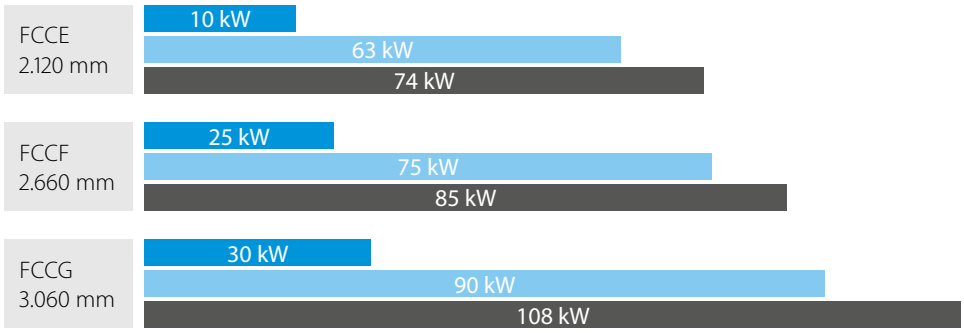
Heating Interchanger (Optional)

Parallel compressors (Optional)

Mechanical Subcooler (Optional)



☑ MT	2	3	4	5 comp.
☑ MT + LT	2+1	3+1	3+2	4+1



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger

Large Racks

Transcritical double units without condenser

- Integrated switchboard. Easy to use via touch screen and displays an exclusive control software (see next page)
- Parallel compressors (optional), which increase considerably the efficiency of the system
- Possibility of incorporating up to 9 compressors
- Low and Medium temperature compressors
- Economizer: Increases the efficiency of the system by making the MT compressors give part of their power to the LT compressors group.
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant.
- Mechanical subcooler exchanger, connected to an auxiliary unit that cools the discharge of the transcritical fluid, reducing steam and increasing the efficiency of the system
- Stainless steel in 100% of the pipes

F-Gas Free

Protective Case

Heating Interchanger (Optional)

Plug&Play

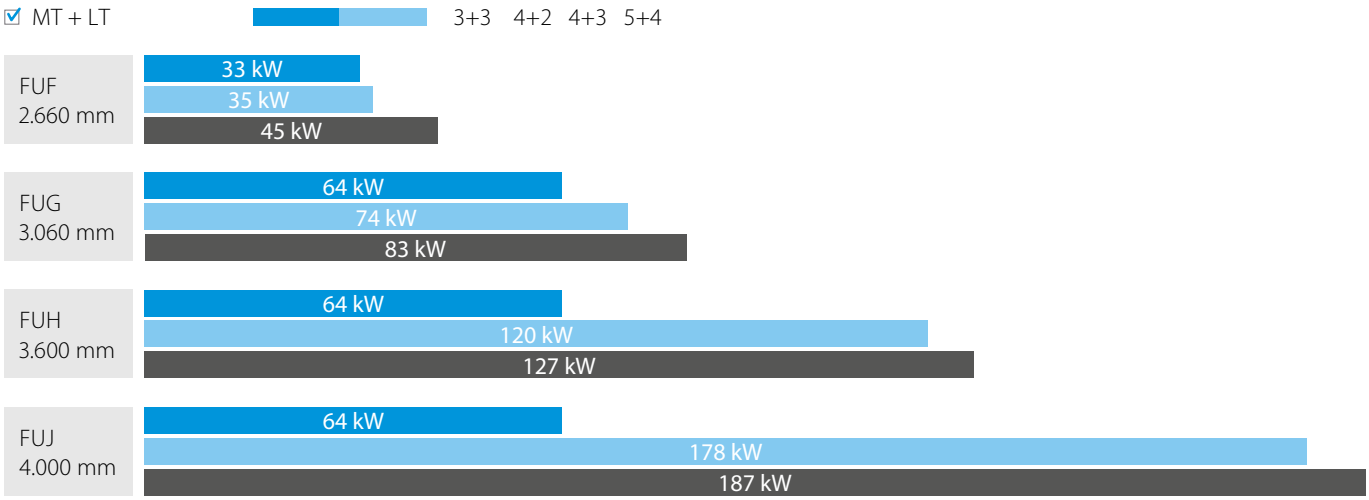
Switchboard

Parallel compressors (Optional)

Proportional Modulation

Electronic Control

Mechanical Subcooler (Optional)



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global

MSC Mechanical subcooler

PC Parallel compressor

Heating interchanger

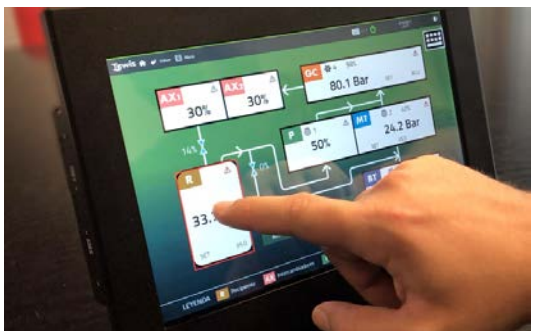
Switchboard & electronic control

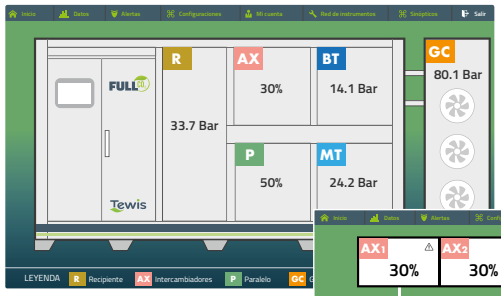
Switchboard

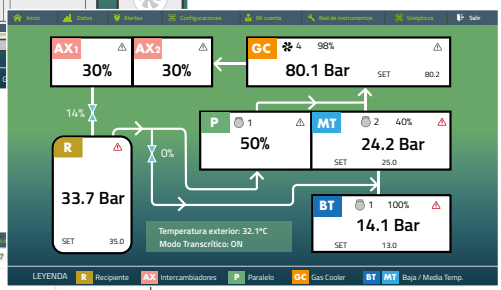
- Bench-mounted switchboard, including complete wiring.
- Power supply at 400V / 3F + N / 50Hz
- Frequency inverter in the first compressor in sections BT, MT and parallel
- Booster components and remote gas coolers electrically protected against overcurrents and short circuits.
- Option: electrical connections of power supply to the auxiliary unit

Electronic control

- It represents the best option for transcritical and subcritical CO_2 solutions with Booster circuit and allows to manage up to two circuits for the recovery of heat.
- Televis System compatible and open for the integration of Modbus RTU / TCP or BACnet MS / TP (optional) systems.
- Touch screen with synoptic and real-time data.
- Data logging and alarms.
- Historical charts and data tables.
- Parameter management.







Integrated solutions

Freezing (Low temperature) (-20°C / +35°C)

Chilling (Medium temperature) (0°C / +35°C)

Cooling/AC (High Temperature) (+20°C/+10°C)

Heating

Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450
Integrated solution for chilling, freezing, comfort cooling and heating	Conveni-Pack LRYEQ-AY											
	Mini racks, Racks, Duplex											

Service station (Ranst, Belgium) Conveni-Pack

Discover why a Belgian petrol station owner chose Daikin for its shop comfort and refrigeration needs.
www.youtube.com/DaikinEurope

Conveni-Pack,

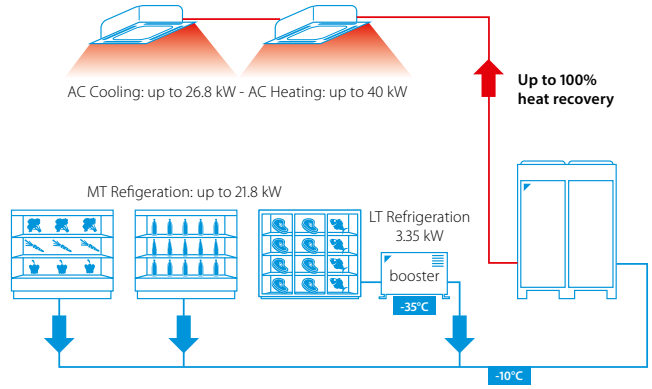
integrated solution for commercial refrigeration, heating and air conditioning

Why choose Conveni-Pack?

Competition in the retail food sector is fierce. This does not just affect the income you can earn from sales - operating costs are also a determing factor for success.

Energy efficient heat recovery system

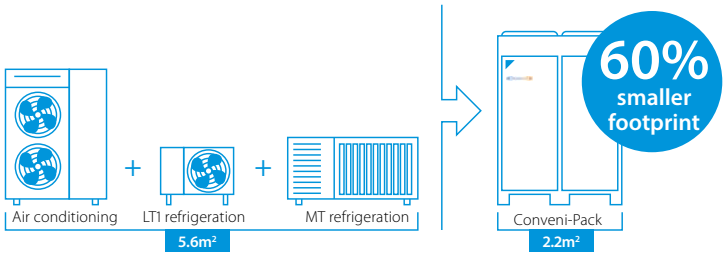
› Conveni-Pack recovers up to 100% of the heat extracted from supermarket refrigeration cases and re-uses it to heat the retail space and improve shop comfort at no additional cost (heat recovery system)
› Savings of up to 50% on energy costs
› Daikin inverter scroll compressor with economizer technology



Above-mentioned scheme is an example of what can be delivered depending on predefined conditions.
For more detailed information, please consult the technical specifications in this catalogue.

Installing a compact solution

› Easy to install, even in small spaces
› Small footprint (up to 60% smaller footprint than conventional systems) and low weight
› Reduced piping requirements
› Minimal planning groundwork and lower assembly costs



Unique combination

› First mass-produced, whole-building system to combine medium and low refrigeration, heating, air conditioning in one circuit

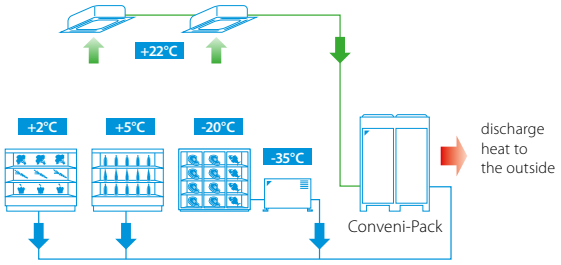
Reliable operation

› Error-proof component selection
› Factory leak-tested and pre-charged

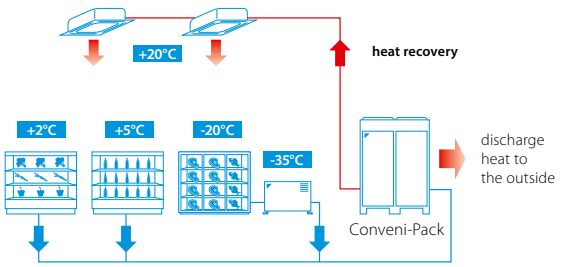
Year-round climate comfort

› Quiet operation : Improved acoustics thanks to night operation mode, inverter control and inverter driven fans with optimised blades and grills
› High grade sound insulation on both panels and compressors
› Specially designed fan blades to limit sound emissions
› 4 low sound operation settings including night mode
› The heat recovered from refrigerated and freezer display cabinets can be used to provide heating for the shop.

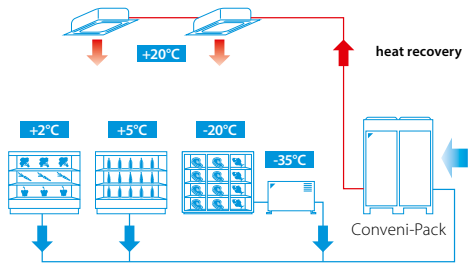
Summer



Spring/Autumn



Winter



If available heat from the cabinet is not sufficient to fulfill the demand from the shop, the outdoor unit will also operate as a heat pump system.

Internationally awarded

Winner of several awards* thanks to the innovating technology used and environmental friendly solution offered:

- Winner of UK Environmental Product of the Year, Cooling Industry Awards - 2006
- Winner of Incentive Prize, German Environment Ministry - 2007
- Winner of the Innovation Trophy, equipmag (exhibition in France) - 2008
- Winner of 2014 Institute of Refrigeration Ireland (IRI) Environmental award
- Environmental Friendliness category of the Top Retail Product Awards 2014 in Germany

Reference

Edeka Buschkühle supermarket (Germany)
2 Conveni-Pack systems supply 32 meters of service counters, 12.5 meters of convenience fridges, one cooling storage room for fruit, an air curtain and 5 indoor units; the ZEAS system supplies two deep-freeze cabinets with a total capacity of 5 kW.

Discover more references on
www.daikineurope.com/references

Benefits for installers/consultants

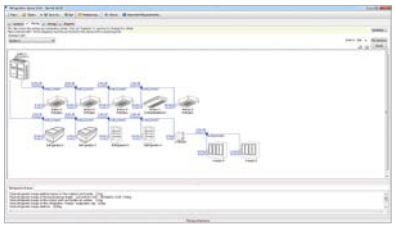
- Integrated electrical & control box
- Unit already pre-charged with refrigerant
- Established VRV technology ensuring optimised installation and maintenance
- Reduced delivery time thanks to European manufacturing plant
- Flexible system for multiple applications
- Connectable to all grocery refrigeration applications and supplied with a wide range of air conditioning indoor units to meet shop requirements
- Outdoor units can be positioned up to 35m above or 10m below the indoor units
- Piping length possible up to 130m
- Suitable for indoor installation through the use of high ESP fans

Benefits for shop owners

- Thought design for supermarkets and smaller retail outlets
- Maximised retail sales space available as Conveni-Pack has a footprint up to 60% smaller than conventional grocery refrigeration systems
- Reduced energy consumption by up to 50% through heat recovery
- Quiet operation, thus ideal for densely populated urban areas

Marketing tools

Refrigeration Xpress
User-friendly design software for Conveni-Pack, CCU, SCU and ZEAS condensing units. Its detailed report includes a list of materials, piping and wiring diagrams, and device options.



Short videos

- Watch a short animation on the unique refrigeration solution Conveni-Pack

DAIKIN

CONVENI-PACK

COMING SOON

www.daikin.eu

Conveni-Pack refrigeration system with heat recovery

Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO_2 emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- Low sound level including „night mode" operation

LRYEQ16AY

Conveni pack, in combination with a ZEAS unit.

This store was nominated by spar as its 'local supermarket of the year', thanks in part to its owner's strategic investment in a key department: Refrigeration. By installing a Conveni pack in combination with Zeas, it was possible to **save around €10,000 on energy costs each year**, from money that would otherwise have spent on heating. **SPAR, Supermarket.**

Medium Temperature Refrigeration				LRYEQ-AY	16
Cooling capacity	Air conditioning	Nom.		kW	14,0 (1)
	Refrigeration	Nom.		kW	21,8 (2)
Heating capacity	Air conditioning	Nom.		kW	27,0 (3)
	Refrigeration	Nom.		kW	21,8 (4)
Dimensions	Unit	Height		mm	1.680
		Width		mm	1.240
		Depth		mm	765
Weight	Unit			kg	370
Heat exchanger	Type				Cross fin coil
Compressor	Type				Hermetically sealed scroll compressor
	Piston displacement			m^3/h	13,34
	Speed			rpm	6.300
	Output			W	2.500
	Starting method				Direct on line (inverter driven)
	Frequency ON/OFF				Less than 6 times/hour
Compressor 2	Speed			rpm	2.900
	Output			W	3.600
Compressor 3	Speed			rpm	2.900
	Output			W	4.500
Fan	Type				Propeller fan
	Quantity				2
	Air flow rate	Cooling	Nom.	m^3/min	230
Fan motor	Output			W	750
	Drive				Direct drive
Sound pressure level	Nom.			dBA	62,0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-20~10
	Cooling	Ambient	Min.~Max.	°CDB	-5~43
	Heating	Ambient	Min.~Max.	°CDB	-15~21
Refrigerant	Type				R-410A
	GWP				2.087,5
	Charge			kg	11,5
				TCO_2eq	24,0
	Control				Electronic expansion valve
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415

(1) Cooling priority mode: indoor temp. 27°CDB, 19°CWB; outdoor temp. 32°CDB; piping length: 7.5m; level difference: 0m (2) Cooling priority mode: evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C (3) Heat recovery 100% mode: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; refrigeration load 18kW; piping length: 7.5m; level difference: 0m (4) Saturated temperature equivalent to suction pressure (refrigeration side): -10°C (under chilled condition); connection capacity for indoor air conditioner: 10HP, when heat recovery is 100%

Indoor units and Biddle air curtains for connection to Conveni-Pack

To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units and Biddle air curtains are available.

Capacity class (kW)

Model	Product name		50	63	71	80	100	125	140	200	250
Cooling capacity (kW)[1]			5,6	7,1	8,0	9,0	11,2	14,0	16,0	22,4	28,0
Heating capacity (kW)[2]			6,3	8,0	9,0	10,0	12,5	16,0	18,0	25,0	31,5
Round flow cassette	FXFQ-A		●	●		●	●	●			
2-way blow ceiling mounted cassette	FXCQ-A		●	●		●		●			
Ceiling mounted corner cassette	FXKQ-MA			●							
Concealed ceiling unit with inverter driven fan	FXSQ-A		●	●		●	●	●			
Concealed ceiling unit with inverter driven fan	FXMQ-P7		●	●		●	●	●			
Large concealed ceiling unit	FXMQ-MB									●	●
Ceiling suspended unit	FXHQ-A			●			●				
4-way blow ceiling suspended unit	FXUQ-A				●		●				
Floor standing unit	FXLQ-P		●	●							
Concealed floor standing unit	FXNQ-A		●	●							

Capacity class (kW)

Model	Product Name		80	100	125	140	200	250
Heating capacity (kW)[2]			7,4 - 9,2	11,6 - 13,4	15,6	16,2 - 19,9	29,4	29,4 - 31,1
Biddle air curtain free hanging	CYVS-DK		●	●	●	●	●	●
Biddle air curtain cassette	CYVM-DK		●	●	●	●	●	●
Biddle air curtain recessed	CYVL-DK		●	●	●	●	●	●

[1] Nominal cooling capacities are based on: indoor temperature: 27°CDB / 19°CWB, outdoor temperature: 35°CDB, piping length: 7,5m, level difference: 0m

[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB / 6°CWB, piping length: 7,5m, level difference: 0m

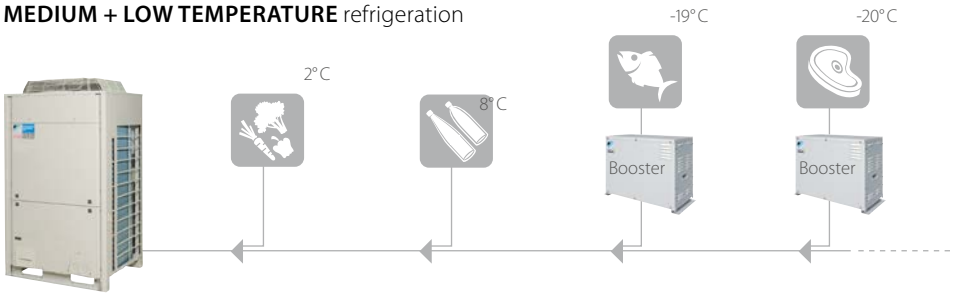
Booster unit

- A booster unit allows to connect freezer showcases / rooms to ZEAS and Conveni-Pack outdoor units
- Reduced piping requirements, from 4 to 2 pipes, compared to a conventional system
- Low sound mode available reducing sound emissions significantly without giving in on Refrigerating capacity

LCBKQ3AV1

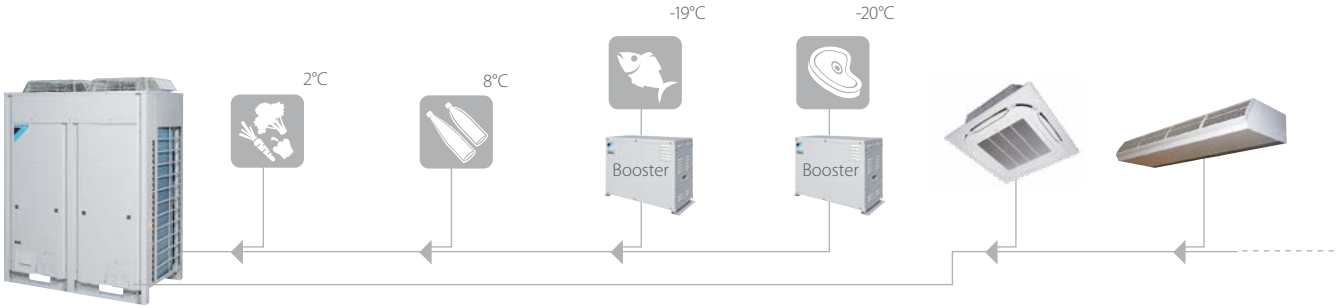
Booster with ZEAS:

MEDIUM + LOW TEMPERATURE refrigeration



Booster with Conveni-Pack:

MEDIUM + LOW TEMPERATURE refrigeration + space air conditioning + Biddle air curtain



Low Temperature Refrigeration				LCBKQ-AV1
Refrigerating capacity	Low temperature		Nom. kW	3,35 (1)
Dimensions	Unit	Height	mm	480
		Width	mm	680
		Depth	mm	310
Weight	Unit		kg	47
Compressor	Type			Hermetically sealed swing compressor
	Piston displacement		m^3/h	10,16
	Number of revolutions		rpm	6.540
	Output		W	1.300
	Starting method			Direct on line (inverter driven)
	Frequency ON/OFF			Less than 6 times/hour
Fan	Type			Propeller fan
	Air flow rate	Cooling	Nom. m^3/min	1,6
Operation range	Evaporator	Cooling	Min.~Max. °CDB	-45~-20
	Ambient temperature	Min.~Max.	°C	-15~43
Refrigerant	Type			R-410A
	GWP			2.087,5
	Control			Electronic expansion valve
Piping connections	For outdoor unit	Liquid	OD mm	6,35
	To indoor unit	Liquid	OD mm	6,35
	For indoor unit	Gas	OD mm	15,9
	To outdoor unit	Gas	OD mm	9,5
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240

(1) Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C

Medium temperature with air conditioning

Mini racks

☑ MT + Air conditioning
(with or w/o condenser) — 1+2 (max. 3)

FNB FNV58 1.560 mm	18 kW 27 kW 45 kW

Racks

☑ MT + Air conditioning
(with or w/o condenser) — 2+2 (max. 4)

FCCE 2.120 mm	18 kW 40 kW 52 kW
FCZ 3E FCZ 4E 2.120 mm	18 kW 50 kW 74 kW

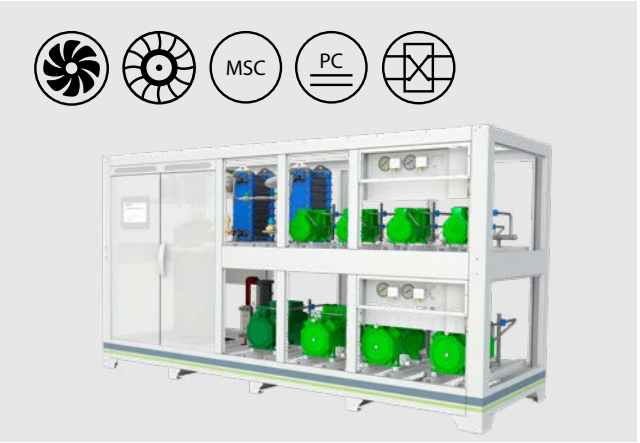
☑ MT + Air conditioning
(with or w/o condenser) — 2+3 (max. 5)

FCZ4F 2.660 mm	36 kW 70 kW 85 kW
FCZ4G FCCG 3.060 mm	36 kW 93 kW 108 kW

Duplex racks

☑ MT + Air conditioning
(with or w/o condenser) — 5+4 (max. 9)

FUJ 4.000 mm	115 kW 230 kW 250 kW



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

Low temperature with air conditioning

Racks

☑ MT + LT + Air conditioning (with or w/o condenser) — 1+2+1 (max. 4)

FCCE
FCZ3E
FCZ4E
2.120 mm

9 kW
30 kW
30 kW
52 kW

9 kW
30 kW
50 kW
74 kW

☑ MT + LT + Air conditioning (with or w/o condenser) — 1+2+2 (max. 5)

FCZ4F
2.660 mm

FCZ4G
4.000 mm

9 kW
30 kW
60 kW
85 kW

FCCG
3.060 mm

9 kW
30 kW
70 kW
108 kW

Duplex racks

☑ MT + LT + Air conditioning (with or w/o condenser) — 2+3+4 (max. 9)

FUJ
4.000 mm

18 kW
100 kW
200 kW
250 kW

LT MT Clime Global — MSC Mechanical subcooler — PC Parallel compressor — Heating interchanger — Axial — Radial

Other products

Evaporators with or without TEV for different operations and refrigerants

General features:

› Capacity for LT/MT cooling: 0,5 to 213 kW
› Ambient/cooling room temperature range: - 40°C - +25°C
› Refrigerants: R134A a, R 449A, R448A, R452A R407F, R 407A
› Fin distance: from 3 mm to 11 mm
› Fin materials: Al
› Tube materials: Cu
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Options:

› Electric defrost heating
› Hot gas defrost
› Drain pan heating
› Fan ring heater
› High efficient EC fans
› Wiring on terminal box
› Included valves and regulation
› Fin materials AISI 304, AISI 316
› Tube materials AISI 304, AISI 316
› Casing in stainless steel (Inox)

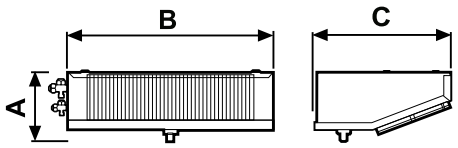
Types:

› flat evaporator
› double flow
› cubic design
› Evaporator only
› Evaporator + EEV/TEV
› Evaporator + EEV/TEV + electronic controller

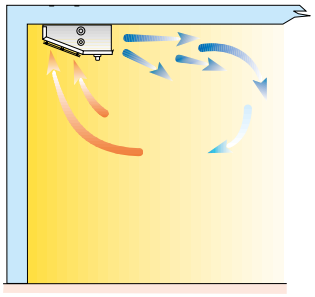
For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Dimensions

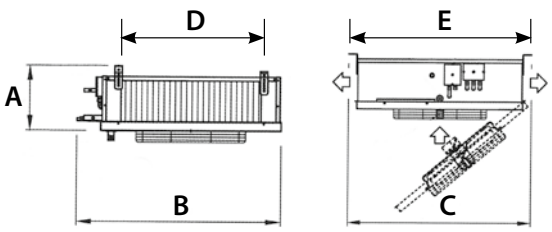
Flat



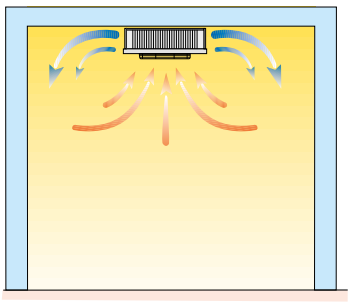
mm	A	B	C
201	215	614	410
202	215	1034	410
203	215	1614	410
232	150	713	455
301	300	910	690
302	300	1530	690
303	300	2150	690
304	300	2770	690
305	300	3390	690



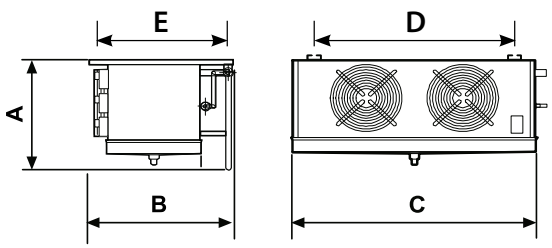
Double flow



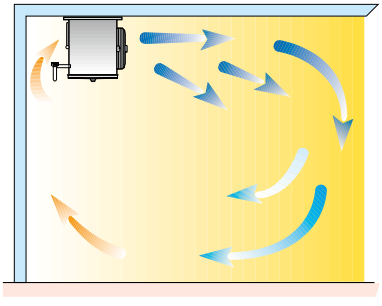
mm	A	B	C	D	E
231	171	579	585	293	600
232	171	889	585	603	600
233	171	1199	585	913	600
234	171	1509	585	1223	600
352	300	1671	995	1214	1065
353	300	2291	995	1834	1065
354	300	2911	995	2454	1065
355	300	3531	995	3074	1065



Cubic



mm	A	B	C	D	E
301	420	480	789	495	345
302	420	480	1254	960	345
303	420	480	1719	1425	345
HEU351	545	690	805	605	540
HEU352	530	690	1220	965	540
HEU353	600	690	1690	1370	540
HEU403	620	700	1840	1520	545
HEU502	844	992	1829	1526	740
SKC352	490	606	1614	1270	450
SKC353	490	606	2234	1890	450
SKC452	610	650	2032	1680	510
SKC503	800	830	3350	2760	675



Other Monoblocks

Model	Refrigerant		Capacity range
Small- Monoblock for wall mounting AS-R	Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		0° 0,43 to 7,4 kW -20° 0,75 to 7,4 kW P 1,5 to 7,4 kW
Large- Monoblock for wall mounting RS	Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		0° 0,75 to 22 kW -20° 1,5 to 37 kW
Large- Monoblock for shock freezing PRS • CBX	Direct mounting trough the wall Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		-40° 5,5 to 18,5 kW P 1,5 to 7,4 kW
Large- Monoblock for shock freezing CBX • PBX	Duct connection Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		-40° 22 to 55 kW P 22 to 55 kW

C° capacity on evaporation temp. P power input

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other Bi-blocks

Model	Refrigerant		Capacity range
Small- Bi-Block with cubic evaporator DBS	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		0° 0,4 to 7,4 kW -20° 0,7 to 11 kW
Middle- Bi-Block with cubic evaporator DBD	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		0° 0,75 to 30 kW -20° 1,1 to 44,5 kW
Middle- Bi-Block with cubic evaporator CDB • PDB	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		-40° 5,5 to 56 kW P 2,2 to 60 kW

C° capacity on evaporation temp. P power input

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other

Model	Refrigerant		Capacity range
Small Mono and Bi-Block seasoning conditioner unit for meat and cheeses maturity process SAS	Standard Refrigerant: MT: R134a Other refrigerants possible upon request		+12° 0,7 to 5,5 kW
Large mobile grain process and seasoning conditioner DUK	R404A - R407F		0° 7,5 to 37 kW
Water Chiller ZC	Standard Refrigerant: MT: R134a, R449A		-5° 19,4 to 197 kW -10° 16,3 to 165,2 kW -15° 13,3 to 86 kW -20° 10,6 to 69,1 kW
Large Mono and Bi-Block seasoning conditioner unit for meat and cheeses maturity process UAV	Standard Refrigerant: MT: R134a Other refrigerants possible upon request	 	+12° 1,5 to 36,8 kW
Open frame condensing units with Bitzer semi hermetic compressor ZH	Standard refrigerants: R134a, R407H, R449A Other refrigerants upon request Semi hermetic Bitzer compressor Liquid receiver with safety pressure relief valve for PED units Many different options and accessories available upon request.		-10° 2,3 kW to 44 kW -30° 1,5 kW to 31,5 kW

C° capacity on evaporation temp.

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other
Products

Transport refrigeration

Zanotti and Hubbard offer various systems for the refrigerated transport of fresh and frozen foods in small and medium sized vehicles.

For refrigerated transport with large vehicles Zanotti manufactures monoblock and panel-mounted diesel units (Un0° series).

Industrial range

Zanotti's core business in the industrial sector includes large cooling systems for logistics centers and cold storage solutions in the food, catering and petrochemical industries.

Many sports and leisure facilities, such as ice skating rinks or indoor winter sports halls use Zanotti freezing technology.

F-Gas Regulation

For fully/partially charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (LCBKQ-AV1, JEHCCU/JEHSCU): Its functioning relies on fluorinated greenhouse gases.

Hubbard

Products

Hubbard Products has an enviable global reputation for innovation and excellence in refrigeration design, refrigeration engineering and refrigeration solutions for static and transport refrigeration requirements.

Hubbard serves the cool chain supply sector offering a wide range of direct drive, alternator drive, Diesel drive and stand alone electrical units for panel vans, box body vehicles and truck and trailer combinations.

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of energy-efficient commercial cooling equipment and has earned a Global reputation for innovation and design-led excellence.

- Cellar Cooling
- Convenience and Retail Cooling
- Multi Compressor Packs
- Cold Room Units
- Heat Recovery Systems
- Transport Refrigeration
- Low GWP, natural refrigeration systems

Made to Order

Made to Order

We build units according to customer requirements.

Our refrigeration experts are able to give the best advice, personalised to each situation.

We can provide complete solutions, entirely tailored to the customer needs.

Contact us to find the best solution for your business.

Please contact the refrigeration department at Daikin Europe (refrigeration@bxl.daikineurope.com) or your local refrigeration product manager.

Options

Options
for ZEAS and Conveni-Pack

		Conveni-Pack	ZEAS						Multi-ZEAS	
		LRYEQ16AY	LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	LREQ15BY1Rx2	LREQ20BY1Rx2
SEE NEXT PAGE	Digital pressure gauge kit	BHGP26A1									
Pressure gauge kit		-	KHGP26B140								
Snowbreak hood*	(a+b+c+d) kit	KPS26C504	KPS26C160		KPS26C280			KPS26C504			
	a. Air outlet	KPS26C504T	KPS26C160T		KPS26C280T			KPS26C504T			
	b. Air inlet (left)	KPS26C504L	KPS26C504L								
	c. Air inlet (right)	KPS26C504R	KPS26C504R								
	d. Air inlet (rear)	KPS26C504B	KPS26C160B		KPS26C280B			KPS26C504B			
Central drain pan kit		KWC26C450**	KWC26C160		KPS26C280			KPS26C450		KPS26C450*** x2	
SEE NEXT PAGE	Modbus communication kit	BRR9A1V1								BRR9A1V1****	
Booster unit		LCBKQ3AV19								-	
Suction branch pipe for multi		-	-							EKHRQZM*****	
Refnet header		KHRQM22M29H8									
		KHRQ22M64H8									
		KHRQM22M75H8									
Refnet joint		KHRQ22M20TA8									
		KHRQ22M29T9									
		KHRQ22M64T8									
		KHRQ22M75T8									
intelligent touch Controller		DSC601C51	-								
intelligent touch Manager		DCM601A51	-								

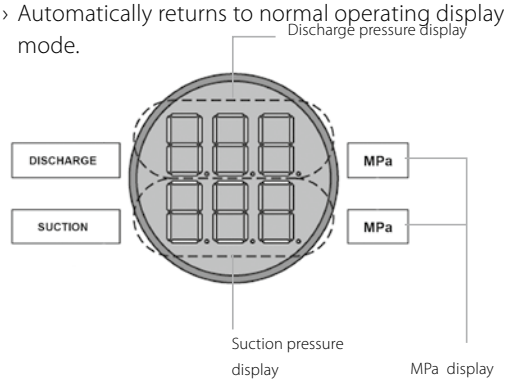
* Snowbreak hoods are field-supplied. For technical drawings and more information, contact your dealer. It is recommended to install a snowbreak hood when regular snowfall occurs.
** In cold areas, provide a drain pan heater (field supply) to prevent drained water from freezing up in the drain pan *** required for each module
**** software update required (to be executed during commissioning) ***** mandatory

Digital pressure gauge kit

BHGP26A1

The digital measurement display allows you to diagnose a unit at a glance and it can be used with all ZEAS units and Conveni-Pack systems.

› Digital measurement display for fixed installation or service applications.
› Displays high and low pressure.
› Displays error codes in the event of a fault.
› Displays up to 32 operating parameters.
› Displays error code history (last three).
› Scrolls and stores output values.
› Automatically returns to normal operating display mode.



BHGP26A1

Modbus communication kit

BRR9A1V1

The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol. This unifying component transforms ZEAS and Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 32 ZEAS units, and are also suitable for use with Conveni-Pack systems and the Booster.

Control values

› Target evaporation temperature
› Low pressure level for on and off points
› Forced stop
› Error messages can be cancelled remotely

BRR9AV1

Display values

› Model information and operating status
› Refrigerant operating pressure and temperatures
› Electrical operating data and temperatures for components
› Target values
› Fan stage and compressor frequency, operating hours
› Warning and error messages as well as system safety functions

Options

Zanotti Uniblock

			GM	SB	AS		
					Standard	Transport coldroom	Container
Options which need to be ordered with the unit	Winter kit 1: Condenser fan pressure switch + Crankcase heater + Double defrost solenoid valve	PRS VNT + RES CAR + SOL SBR	•	•			
	Winter kit 2: Condenser fan speed regulator with temperature control+ Double defrost solenoid valve	VVE TER + RES CAR + SOL SBR	•	• (Std on 235)	•	Std on 135	Std on 121, 123, 221, 135
	Winter kit 3: Condenser fan speed regulator with pressure control + Crankcase heater + Double defrost solenoid valve	VVE PRS + RES CAR + SOL SBR	•	•	Std	Std on 235, 335, 340	Std on 235, 335, 340
	Winter kit 4: BEST COP condenser fan speed regulator + Crankcase heater + Double defrost solenoid valve	VVEBCO + RES CAR + SOL SBR	•	•	•	•	•
	Simple low noise housing	INS SEM	•				
	Evaporator cataphoresis treatment	FRS EVP	•	•	•	•	•
	Condensor cataphoresis treatment	FRS CND	•	•	•	•	•
	Zanotti remote control panel with 5 m cable	PAN SNG	•				
	Watercooled condenser	CON ACQ	•	•	•	•	•
	Voltage monitor	MON TEN	•	•	•	•	•
	Phase sequence control	CTR FAS				Only for scroll	
	3 m cable for door heater (for MT only, standard for LT)	RES POR	•	•	•	•	•
	Remote control panel for 2-3-4 units	PAN MUL	•		•		Only for 235, 335, 340
	Audible and visual alarm	ALR SNV	•		•		Only for 235, 335, 340
	Prearrangement for supervising system	KIT SUP	•	•	•	•	•
	Kit long distance (more than 10 meters)	KIT DIS	•				
Option where afterwards installation is possible	Kit for through wall construction	KIT PAN	•	Std	Std	Std	Std

Zanotti Bi-block

			GS	SPO	DBO
Options which need to be ordered with the unit	Simple low noise housing	FRS CND	•		
	Condensate drain electrical heater	RES SCC	X (Std LT)	X (Std LT)	X (Std LT)
	Evaporator cataphoresis treatment	FRS EVP	•	•	•
	Condensor cataphoresis treatment	FRS CND	•	•	•
	Water-cooled condenser	CON ACQ	•	•	•
	Voltage monitor	MON TEN	•	•	•
	3 m micro-switch door cable	MIC POR	•	•	•
	1 m cold room lightning cable	CAV LCE			•
	3 m cable for door heater	RES POR	•	•	•
	Remote control panel for 2-3-4 units	PAN MUL	•	•	•
	Audible and visual alarm	ALR SNV	•	•	•
	Prearrangement for supervising system	KIT SUP	•	•	•
	Kit long distance (more than 10 meters)	KIT DIS	•		
	cold room lamp	KIT LCE	•	•	•

Zanotti Wineblock

			RCV	RDV
Options (Mandatory to be ordered with the unit)	Winter kit 1: Condenser fan pressure switch + Crankcase heater	PRS VNT + RES CAR	•	
	Winter kit 3: Condenser fan speed regulator with pressure control + Crankcase heater	VVE PRS + RES CAR	•	•
	Winterkit 4: BEST COP condenser fan speed regulator + Crankcase heater	VVEBCO + RES CAR	•	•
	Evaporator cataphoresis treatment	FRS EVP	•	•
	Condensor cataphoresis treatment	FRS CND	•	•
	Watercooled condenser	CON ACQ	•	•
	Voltage monitor	MON TEN	•	•
Options (Installation afterwards possible)	Prearrangement for supervising system	KIT SUP	•	•

Zanotti condensing units

		Condensing unit for outdoor installation		Twin condensing unit for outdoor installation with twin-semi hermetic compressors
		with hermetic compressors	with semi hermetic compressors	
RES CAR	Crankcase heater	•	•	•
PRO TRM	Thermal overload protection	•	•	•
VVE BCO	BESTCOP Condenser fan speed controller	•	•	•
VVE PRS	Pressure condenser fan speed controller	•	•	•
VVE TER	Temperature condenser fan speed controller	•	•	•
PRS LPF	LP switch (fixed calibration)	•	•	•
SEP ASP	Suction liquid separator	•	•	•
SEP OIL	Oil separator	•	•	•
VEN RAD	Radial type condenser fans	•	•	•
REG POT	Compressors capacity controller	•	•	•
SOL LIQ	Liquid line solenoid valve	•	•	•
CON ACQ	Watercooled condensation	•	•	•
VLT DIF	Different voltage	•		
FRS CND	Anti-corrosion protection on condenser coil	•	•	•
FRS EVP	Anti-corrosion protection on evaporator coil	•	•	•
IMB FUM	Fumigation according to ISPM15	•	•	•
PRS VNT	Condenser fan pressure switch	•	•	•
PRS HPR	HP switch with auto reset	•	•	•
MON TEN	Voltage monitor	•	•	•
INS SEM	Simple low noise housing	•	•	•
INS DOP	Enhanced low noise housing	•	•	•
QUA ELE	Power control box with magneto thermic switches	•	•	•
RES CAR	Crankcase heater	•	•	•
FQD	Frequency driver		•	•

		Multi compressor condensing unit	
		with scroll/digital scroll compressors	with semi hermectic compressors
INSRD	Closed frame with double layer sound proofing material	•	•
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve	•	•
TRAXOIL	Electronic oil distribution system	•	•
RIC.LIQ.	Oversized liquid receiver	•	•
CFF	Compressors sound shell	•	•
ELC.C	Electronic card EWCM4180 - XC1000D - EWCM9100	•	•

Connect with Daikin

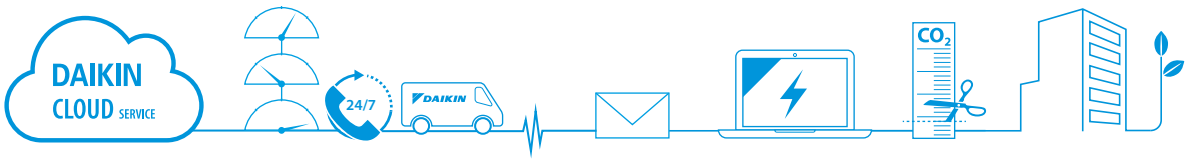
If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.

Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- For home owners it means **app control** of their home comfort.
- For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.

Remote monitoring



Control Systems

Control Systems

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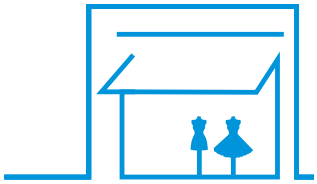
For latest data, please consult my.daikin.eu

Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

› Basic control solutions for those customers with few requirements and limited budget
› Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
› Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

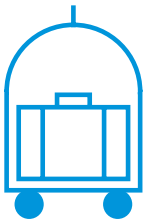
Shop



	Unit control			Integrating control			Advanced control	
	BRP069* Online controller	BRC1H519W7/ S7/K7	RTD-20	RTD-Net	KLIC-DI	EKMBDXA	DCC601A51	DCM601A51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff	●	●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption	● (4)	● (4)					● (2)	●
Advanced energy management							● (2)	● (6)
Allows free cooling								●
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) Via Daikin cloud service or Energy navigator option (DCM008A51)

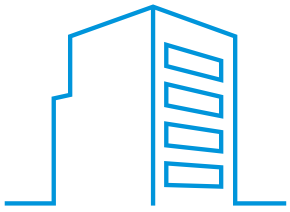
Hotel



	Unit control	Integrating control		Advanced control	
				PMS Interface	
	BRC1H519W7/S7/K7	RTD-HO	KLIC-DI	DCM010A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

(1) : 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

Office



	Unit control	Integrating control			Advanced control	
			LonWorks Interface	BACnet Interface		
	BRC1H519W7/S7/K7	EKMBDXA	DMS504B51	DMS502A51	DCC601A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 out-doors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office staff	●				● (4)	● through Web Remote management
Limit control possibilities for office staff	●	●	●	●	●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP						●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	● (3)					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
PPD software to distribute used kWh/indoor unit				● (6)		● (7)
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension (DAM411B51) needed to have up to 256 indoor unit(s) (groups), 40 outdoors (3) Not available on all indoor units (4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever) (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) via DAM412B51 option (7) via DCM002A51 option

Infrastructure cooling

	Unit	Integrating	Advanced
	BRC1H519W7/S7/K7	RTD-10	DCM601A51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●
Back-up operation	●	●	●
Duty rotation	●	●	●
Limit control possibilities in the technical cooling room	●	●	●
If room temperature above max., then show alarm & start standby unit.		●	●
If an error occurs, an alarm will be shown.	●	●	●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●	Via WAGO I/O

(1) : 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to RZQG*/RZAG* outdoor units. (3) See option list of indoor unit

Daikin Online controller

BRP069B41/42/45/82
BRP069A81

Always in control,
no matter where you are

The Daikin Online Controller application can control and monitor the status of your system up to 50 split air conditioning units and allows you to:

Monitor:
› The status of your air conditioner system
› Consult **energy consumption graphs** (Split only)

Control:
› The **operation mode**, set temperature, fan speed and powerful mode, air direction and filtering (streamer) function (Available functions depending on connected model)
› Remotely control your system and domestic hot water
› **Zone control**: control **multiple** units at once

Schedule:
› Schedule the set temperature and operation mode with up to **6 actions per day for 7 days**
› Enable **holiday mode**
› View in an intuitive mode
› Demand control/power limitation (Split only)

App with intuitive lay-out

Control

Control operation mode, temperature, air purification, fan speed & air direction

Schedule

Schedule the set temperature, operation mode and fan speed or holiday periods

Monitor

Monitor your energy consumption

Monitor

Monitor the rooms in your house

Daikin Online controller

Daikin Residential Controller

The Daikin Residential Controller application can, from any place at any time, control and monitor the status of your heating system and allows you to (*):

Monitor

› The status of your system:
  - Room temperature
  - Requested room temperature
  - Operation mode
› Energy consumption graphs (day, week, month)

Schedule

› Schedule the room temperature and operation mode with up to 6 actions per day for 7 days
› Enable **holiday mode**
› View in intuitive mode

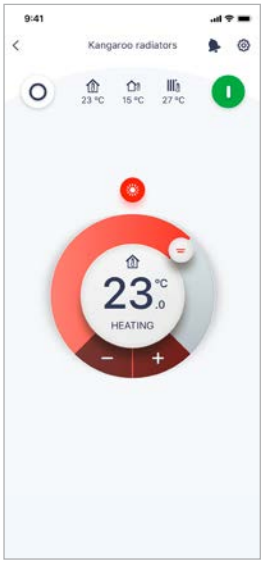
Control

› Operation mode
› Change the requested room temperature
› Change the requested domestic hot water temperature
› Powerful mode (fast heating domestic hot water)

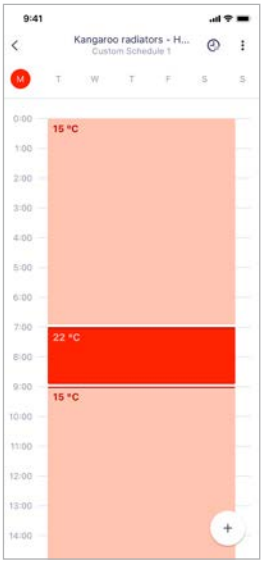
*Availability of functions is depending on the system type, onfiguration and operation mode. App functionality is only available if both the Daikin system and the App have Internet connectivity

App with intuitive lay-out

Control



Schedule



Monitor

Identify

Daikin Online Controller connectable units

Integrated in unit
› FTXA-AW/BS/BT/BB

BRP069B41
› FTXJ-MW/S *
› C/FTXM-N
› FTXTM-M
› ATXM-N

BRP069B42
› FTXZ-N
› FVXM-F

BRP069B45
› FTXP-M
› ATXP-M
› FTXF-B/A
› FTXTP-K
› ATXTP-K
› FTXC-B
› ATXC-B

BRP069A81 **
Ceiling mounted
› FFA-A9
Concealed ceiling
› FDXM-F9
› FBA-A(9)
› FDA125A
› ADEA-A
Wall mounted
› FAA-A
Ceiling suspended
› FHA-A(9)
› FUA-A
Floor standing
› FVA-A
› FNA-A9

BRP069B82 **
Ceiling mounted
› FCAHG-H
› FCAG-B
› FDA200-250A

* adapter included with the unit
** Wired remote controller must be connected to the indoor unit to operate online controller

Daikin Residential Controller connectable units:

		Connectivity			
		BRP069A71 (April 2020)	BRP069A61/62	DRGATEWAYAA	EHS157056 (RoCon G1)
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	•	•		
Daikin Altherma 3 H HT ECH2O	14-16-18 kW				•
Daikin Altherma 3 R (F/W)	4-6-8kW		•		
Daikin Altherma 3 H (F/W)	11-14-16kW		•		
Daikin Altherma 3 R (F/W)	11-14-16kW		•		
Daikin Altherma 3 R ECH2O	4-6-8kW				•
Daikin Altherma R ECH2O	11-14-16kW				•
Daikin Altherma M	5-7-11-14-16kW		•		
Daikin Altherma R Hybrid	5-8kW		•		
Daikin Altherma H Hybrid	4 kW		•		
Daikin Altherma GEO	10 kW		•		
Daikin Altherma 3 GEO	6-10 kW		included		
Daikin Altherma 3 C Gas W	12-35kW			•	
Daikin Altherma C Gas ECH2O	15-28kW				•
Daikin Altherma C Oil	18-42kW				•

Wireless LAN Connecting Adaptor BRP069 meets all of the following:

A. Generally available to the public by being sold, without restriction, from stock at retail selling points by means of any of the following: 1. Over-the-counter transactions; 2. Mail order transactions; 3. Electronic transactions; or 4. Telephone call transactions;
B. The cryptographic functionality cannot easily be changed by the user;
C. Designed for installation by the user without further substantial support by the supplier.

23

Madoka

The beauty of simplicity.

Silver
RAL 9006 (metallic)
BRC1H519S7

Black
RAL 9005 (matte)
BRC1H519K7

White
RAL9003 (glossy)
BRC1H519W7

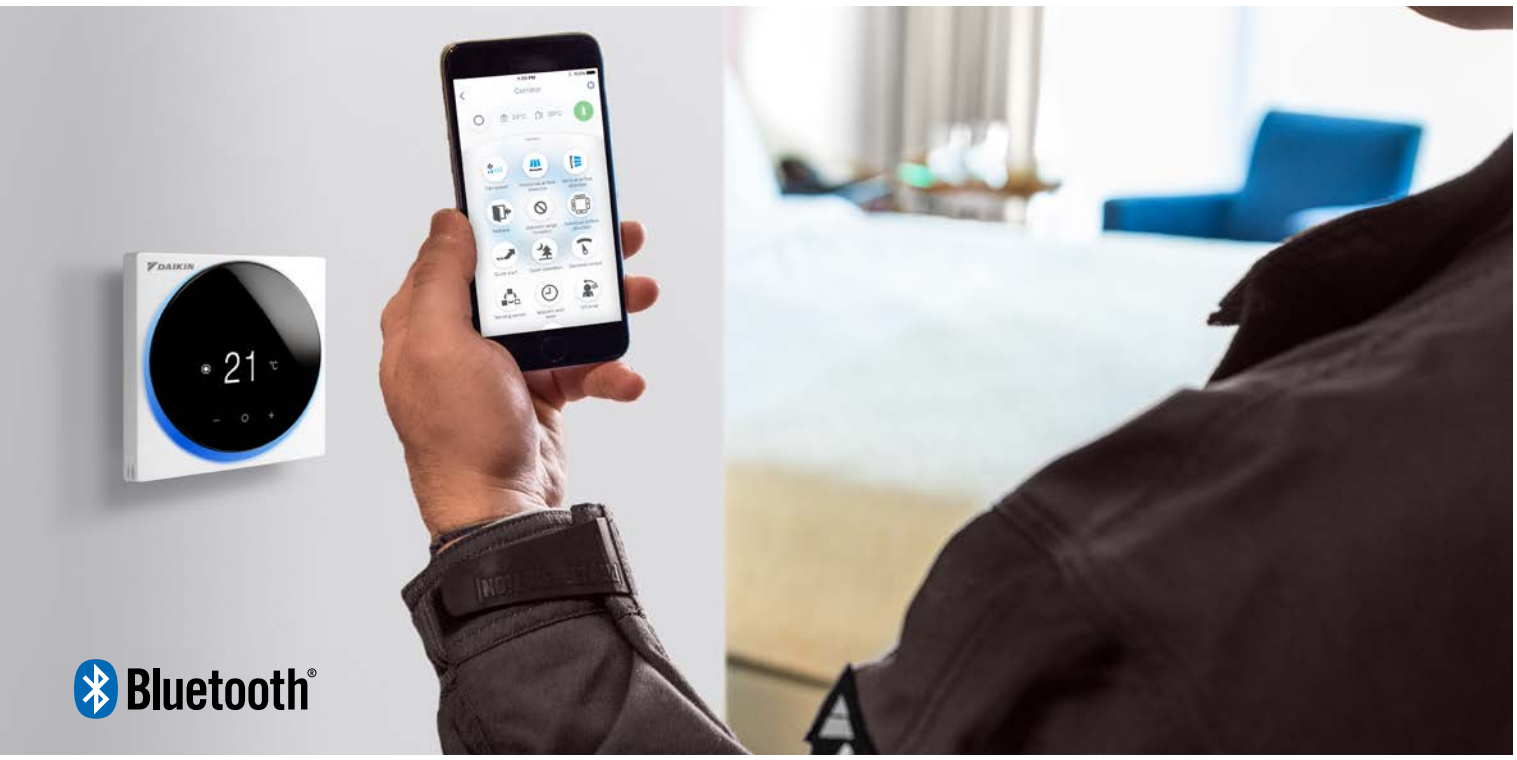
User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- NEW Three display options: standard, detailed and **new symbolic view**
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- NEW Advanced settings **copy function** and commissioning via smartphone

reddot award 2018
winner

DESIGN AWARD 2018



Madoka Assistant

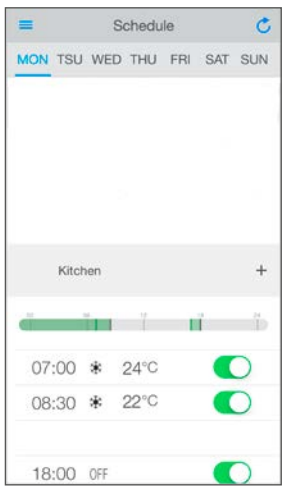
Simplifies the advanced settings such as schedule or set point limitation

- ☑ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- NEW ☑ Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ☑ Easy and quick commissioning
- ☑ Featuring Bluetooth® low energy technology

GET IT ON Google Play

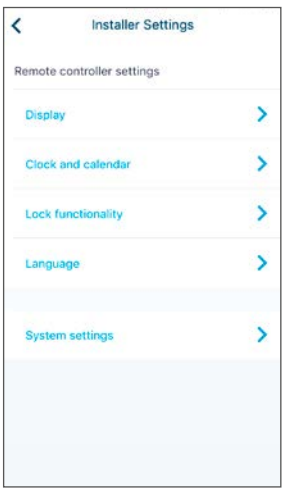
Available on the App Store

Easy setting of schedules

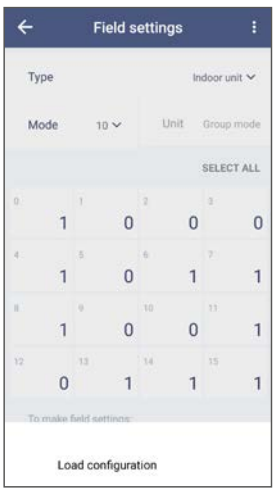


Advanced user settings

Installer settings



Field settings



BRC1H519W7 / BRC1H519S7 / BRC1H519K7

Madoka wired remote controller for Sky Air and VRV

BRC1H519W7

BRC1H519S7

BRC1H519K7

A complete redesigned controller focussed to enhance user experience

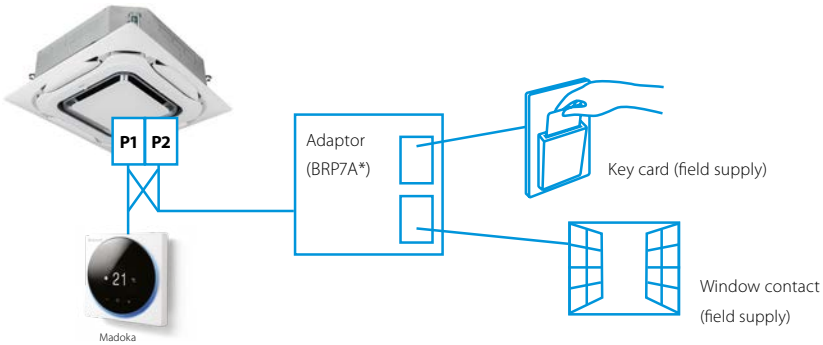
NEW

- Sleek and elegant design
- Intuitive touch-button control
- Three display options: standard, detailed and **new symbolic view**
- Direct access to basic functions (on/off, set point, mode, target values, fan speed, louvres, filter icon & reset, error & code)
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- Real time clock with auto update to daylight saving time

Hotel application features

- Energy saving through key card, window contact integration and set point limitation (BRP7A*)
- Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration



Madoka Assistant: Advanced settings can be easily done via your smartphone

A range of energy-saving functions that can be selected individually

NEW

- Temperature range restriction: Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1)
- Setback function
- Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
- Automatic temperature reset
- Auto off timer

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year.

Other functions

- Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
- Menu settings can be individually locked or restricted
- The outdoor unit can be set to quiet mode and power consumption limit control by schedule (3)
- Real-time clock that updates automatically for daylight saving

DUTY ROTATION

Cost-effective solution for infrastructure cooling applications

> Only in combination with RZAG* / RZQG*

> Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime.

Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

> Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode

(2) For Sky Air FBA, FCAG and FCAHG pair combinations only

(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*

BRC1HHDW / BRC1HHDS / BRC1HHDK

Madoka wired remote controller for Daikin Altherma 3 heat pumps

BRC1HHDW

BRC1HHDS

BRC1HHDK

A new generation of user interface, redesigned and intuitive

Intuitive control with a premium design:

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large easy to read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design:

No matter your interior design, Madoka will match it. Silver gives an additional touch to stand out in any interior or application, while Black is an ideal match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters:

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room teperature and control the domestic hot water temperature.

Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store.

GET IT ON Google Play

Available on the App Store

www.daikin.eu/madoka

Wired remote control for Heating

EKRUCB*

Control

› Manage space heating, cooling, domestic hot water and among others, booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct accessibility to all main functions

Comfort

› An additional user interface can include a room thermostat in the space to be heated
› Easy commissioning: intuitive interface for advanced menu settings

* only in combination with EKRTETS

General features

Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

› Daikin Altherma R (F/W)
  - Daikin Altherma M
› Daikin Altherma R Hybrid
› Daikin Altherma GEO
› Domestic hot water heat pump

System controller for Daikin Altherma

EKRUAHTB

Control

Reduce installation time

› Program all settings for an installation on a laptop computer and simply upload them to the controller during commissioning
› Reuse similar settings for related installations

Improve service diagnostics and maintenance

› The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

› Raise or lower water temperature as a function of the actual room temperature
› Manage energy consumption
› Intuitive screen displays the output and input energy of the unit provide consumption transparency

General features

Weather depending floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.

Applicable Daikin units

› Daikin Altherma R HT
› Daikin Altherma R Flex Type HT

Applicable Daikin units

		BRC1HHDW/S/K	EKRUCB*	EKRUHML*	EKRUAHTB	EHS157034	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	•					
Daikin Altherma 3 H HT ECH2O	14-16-18 kW					•	
Daikin Altherma 3 R (F/W)	4-6-8kW	•					
Daikin Altherma 3 H (F/W)	11-14-16kW		•				
Daikin Altherma 3 R ECH2O	4-6-8kW					•	
Daikin Altherma R ECH2O	11-14-16kW					•	
Daikin Altherma R HT	11-14-16kW				•		
Daikin Altherma M	5-7-11-14-16kW		•				
Daikin Altherma R Hybrid	5-8kW		•				
Daikin Altherma H Hybrid	4 kW			•			
Daikin Altherma GEO	10 kW		•				
Daikin Altherma 3 GEO	6-10 kW	•					
Daikin Altherma 3 C Gas W	12-35kW						•
Daikin Altherma C Gas W	28-33kW						
Daikin Altherma C Gas ECH2O	15-28kW					•	
Daikin Altherma C Oil	18-42kW					•	

Individual room control system for temperature adjustment of heating and cooling systems

General features

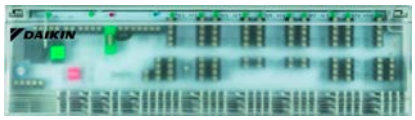
› Improve energy efficiency of the home
› Universally deployable and scalable
› Easy and intuitive installation, operation and maintenance
› Cost effective and convenient for the end-user

Comfort

With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room.

In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

System components



Base station
EKWUFHTA1V3
The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.

Wired digital thermostat
EKWCTRDI1V3
The setting of the desired room temperature and the operation, can be performed comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display always clearly indicate all settings.

Wired analog thermostat
EKWCTRAN1V3
An optimum price-performance ratio is offered for rooms where only a very good temperature control is desired, without the comfort function of the display variant.

Valve actuator
EKWCVATR1V3
The Daikin Valve Actuator is a thermoelectric valve drive for opening and closing valves on heating circuit distributors of concealed heating and cooling systems.

Applicable Daikin units

› Combinable to all Daikin Altherma units

BRC1E53A/B/C

User friendly remote control for Sky Air and VRV

Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

A series of energy saving functions that can be individually selected

› Demand control (1)
› Temperature range limit
› Setback function
› Presence & floor sensor connection (available on round flow and fully flat cassette)
› kWh indication (2)
› Set temperature auto reset
› Off timer
›

Cost-effective solution for infrastructure cooling applications
> Only in combination with Sky Air A-series or Seasonal Smart outdoor unit

Other functions

› Up to 3 independent schedules
› Possibility to individually restrict menu functions
› Choice of display between symbol or text
› Real time clock with auto update to daylight saving time
› Built-in backup power for clock (up to 48 hours). Settings are always kept in case of power loss.
› Supports multiple languages:
BRC1E53A: English, German, French, Dutch, Spanish, Italian, Portuguese
BRC1E53B: English, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian
BRC1E53C: English, Greek, Russian, Turkish, Polish, Slovak, Albanian

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG* I (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

BRC1D52

Wired remote control for Sky Air and VRV

BRC1D52

› Schedule timer: Five day actions can be set
› Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
› User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
› Immediate display of fault location and condition
› Reduction of maintenance time and costs

ARC4*/BRC4*/BRC7*

Infrared remote control

ARC466A1

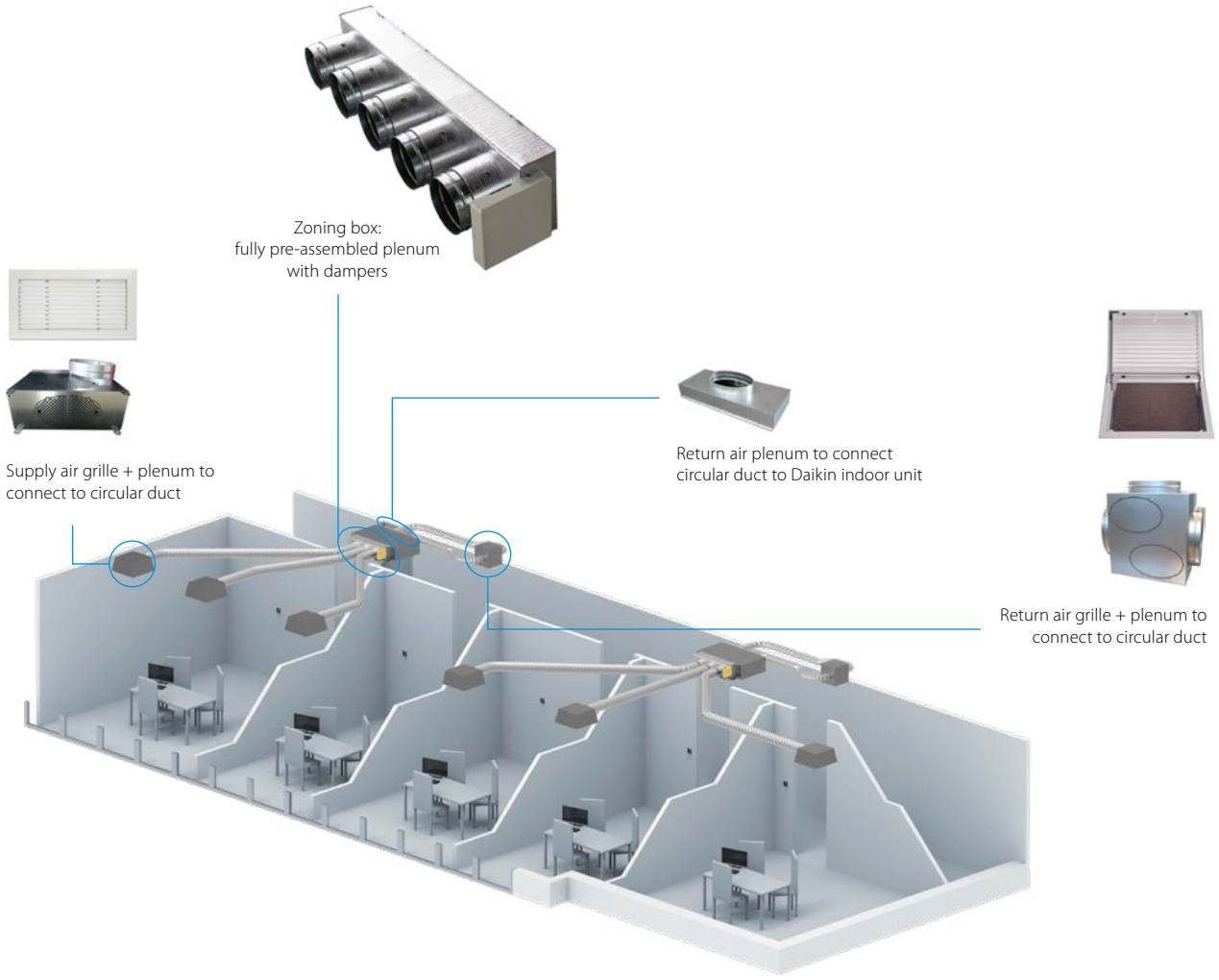
BRC4*/BRC7*

Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Multizoning kits

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.



Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void																																					
	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S2						•	•																				•	•						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S3						•	•																				•	•						
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•						
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•		
		AZEZ6DAIST07L5										•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•		
		AZEZ6DAIST07L6										•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																	•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																	•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•														•	•	•	•													
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•														•	•	•	•													
	4	AZEZ6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																		•										

Controls

3 controller versions are available to choose from: Colour, touch or simplified

AZCE6BLUEFACECB
(Wired)

Blueface - main thermostat

› Intuitive graphical, colour touch screen for controlling multiple zones

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless)

Think - zone thermostat

› Graphic touch button with low-energy e-ink screen for controlling single zones

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat

› Simplified thermostat with touch buttons for temperature control

› Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 10m length: AZX6CABLEBUS10, 100m length: AZX6CABLEBUS100

AZX6WSCLOUDDINC (Ethernet)
AZX6WSCLOUDDINR (WiFi)

Webserver for remote control

› Cloud based remote control of multizoning kit(s)
› Configuration and control of zones (temperature, operation mode, ...)
› Access via webportal, or Android/IOS application

AZX6BACNET

BACnet gateway

› Allows ON/OFF control of each zone
› Control of temperature for each zone
› Status indication of operation mode
› One gateway needed per system

Grilles and plenums

Supply air grilles and plenums

RDHV040015BKX

Wall type supply grille

› With horizontal and vertical adjustable flaps

RLQV040015BKX

Ceiling type supply grille

› With horizontal flaps angled at 15°
› Vertical flaps can be adjusted manually

PREJ0400150T

Plenum for supply grille

› To connect circular ducts to discharge grille
› Insulated, galvanised steel
› Diameter 250mm

Return air grilles and plenums

RRFR050050BTX

Return air grille with integrated filter

› Filters particles from the air

BR500

Plenum for return grille

› To connect 1 up to 4 circular ducts to the return air grille
› Diameter 250mm

AZCEZDAPR07*

Plenum for return air

› To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
› Diameter 250mm
› Different sizes (XS, S, M, L, XL) to fit the indoor unit

Centralised control of the Sky Air and VRV system can be achieved via 3 user friendly compact remote controllers. These controllers may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote controller is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).
The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51

Centralised remote controller

Providing individual control of 64 groups (zones) of indoor units.

› a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
› a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
› zone control
› group control
› malfunction code display
› maximum wiring length of 1,000m (total: 2,000m)
› air flow direction and air flow rate of HRV can be controlled
› expanded timer function

DST301B51

Schedule timer

Enabling 64 groups to be programmed.
› a maximum of 128 indoor units can be controlled
› 8 types of weekly schedule
› a maximum of 48 hours back up power supply
› a maximum wiring length of 1,000m (total: 2,000m)

DCS301B51

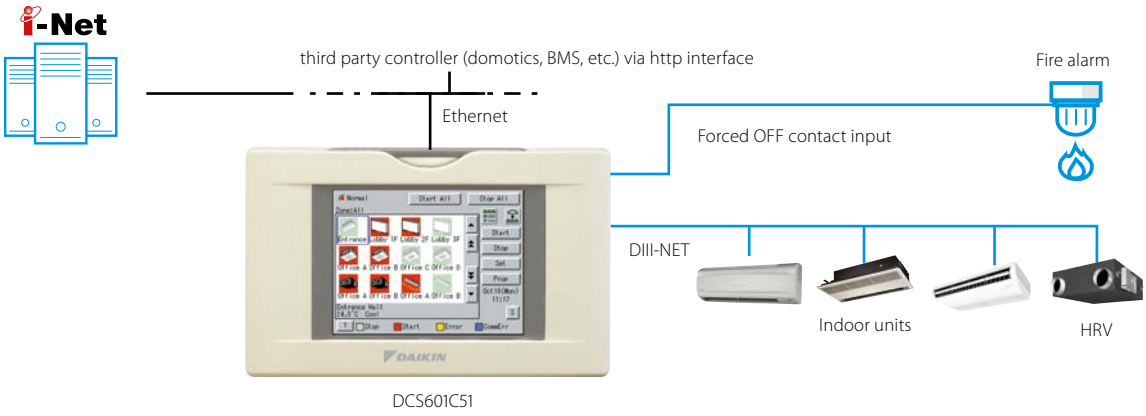
Unified ON/OFF controller

Providing simultaneous and individual control of 16 groups of indoor units.
› a maximum of 16 groups (128 indoor units) can be controlled
› 2 remote controls in separate locations can be used
› operating status indication (normal operation, alarm)
› centralised control indication
› maximum wiring length of 1,000m (total: 2,000m)

intelligent touch Controller

DCS601C51

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout
- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Control
- Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- Set back shedule
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

Monitoring
- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement

Cost performance
- Free cooling function
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to
- VRV
- HRV
- Sky Air
- Split (via interface adapter)

intelligent Tablet Controller

DCC601A51

Advanced centralised controller with Cloud connection

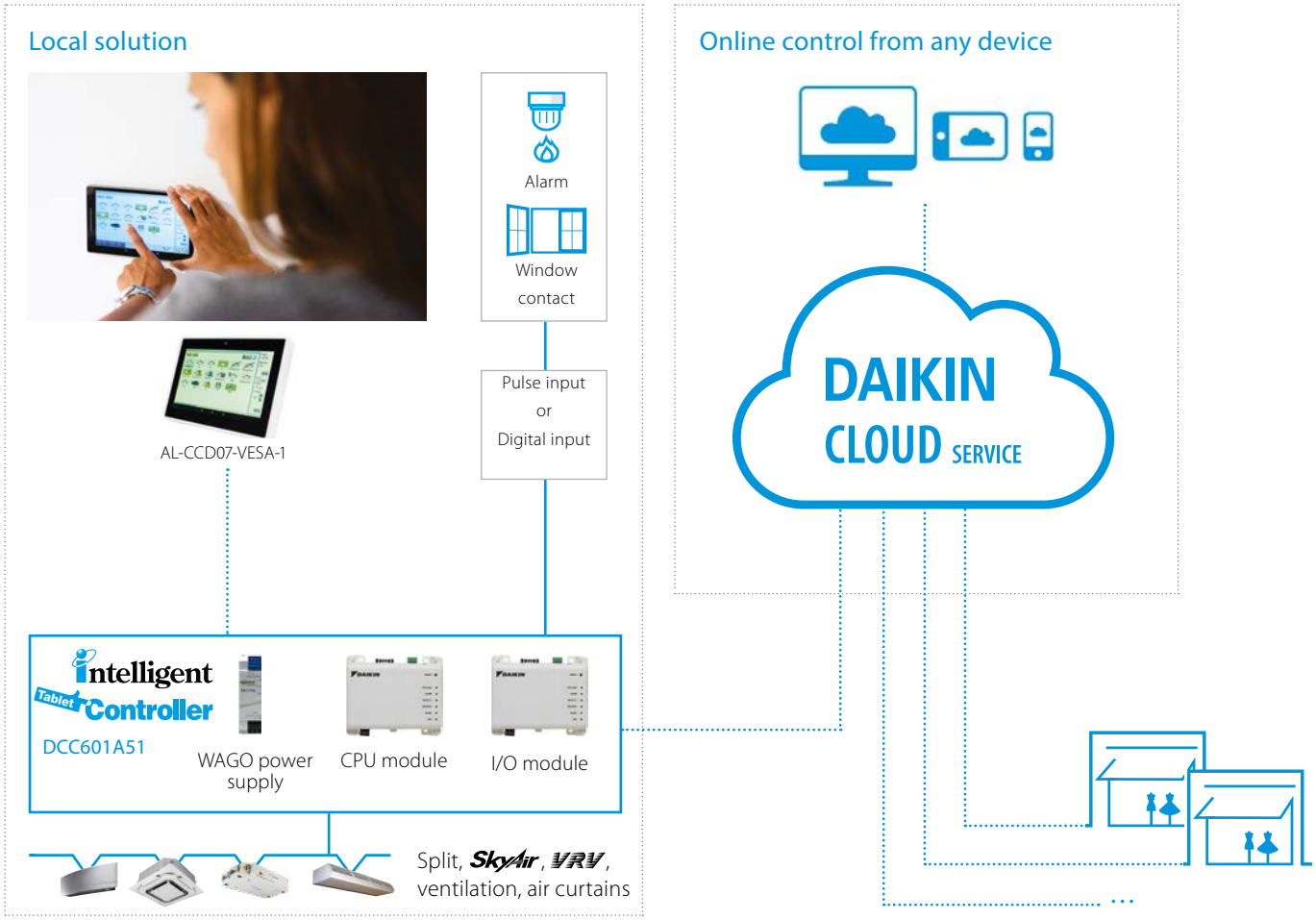
- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

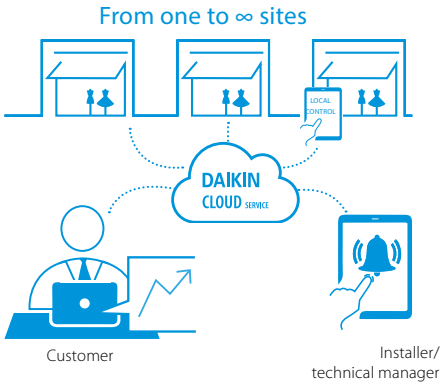
Local solution
› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution
› Flexible online control from any device (Laptop, tablet...)
› Monitor & control one or multiple sites
› Benchmark the energy consumption of different installations (1)
› Energy consumption follow-up to comply with local regulations

System layout



(1) For VRV and Sky Air R-32 ranges the consumption data is integrated; for other (HVAC) systems, field supplied kWh meters will be required

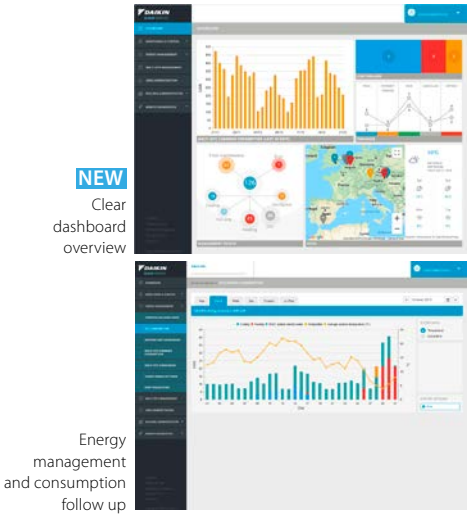


Total solution

› Total solution thanks to a large integration of Daikin products and 3rd party equipment
› Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
› Simply control your entire building centrally
› Increased customer shopping experience by better management of your shop comfort level

Daikin Cloud Services

› Control your building no matter where you are
› Monitor and control multiple sites
› Installer or technical manager can remotely login to the cloud for first troubleshooting
› Benchmark the energy consumption of different installations (1)
› Manage & track your energy use

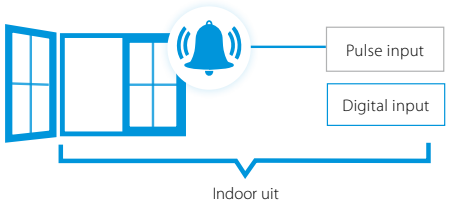


User friendly touch control

› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning

Flexible

› Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site



(1) only available in combination with certain indoor units

Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, …)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	Modular L Smart, VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

Mini BMS

with full integration across all product pillars

DCM601A51

touch intelligent Manager

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment

NEW

Download the WAGO selection tool from my.daikin.eu

› Easy selection of WAGO materials
› Material list creation
› Time saving
  - Includes wiring schemes
  - Contains commissioning/preset data for iTM

Check on YouTube

https://www.youtube.com/DaikinEurope

System overview

Web Access

DAIKIN CLOUD SERVICE

To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU. SB.5000072) and AC/DC converter (999175A) is needed.

Internet
Extranet
LAN
3G
HTTP interface

Integration of third party equipment

touch intelligent Manager

DCM601A51

Fire alarm

kWh meter

Di/Pi line
Max. 200m

BACnet/IP protocol

WAGO interface

Analog/digital/pulse objects

Lighting

Fan

Pump

Sensor

I/O module

I/O module

Multi state objects

Elevator

Air handling unit

Alarm

DALI
Protocol

Lighting

Sensor

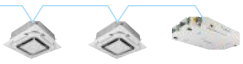
Full control of Daikin HVAC-R portfolio

ITM plus adaptor line

Max. 7 adapters

DCM601A52

Di/Pi port



Direct plug & play connection!

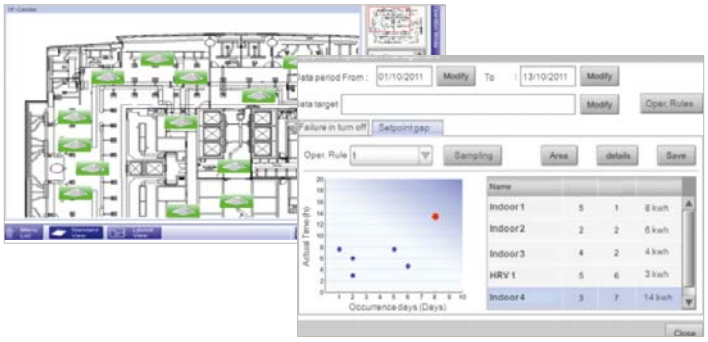
Split
SkyAir
VRV
indoor units,
air curtain,
hydrobox,
air handling units

Fan coil units

Chillers and AHU

Conveni-pack indoor units

touch Intelligent Manager



User friendliness

› Intuitive user interface
› Visual lay out view and direct access to indoor unit main funtions
› All functions direct accessible via touch screen or via web interface

Smart energy management

› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating

Flexibility

› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

› Remote refrigerant containment check reducing on site visit
› Simplified troubleshooting
› Save time on commissioning thanks to the pre-commissioning tool
› Auto registration of indoor units

Plug & play

Split

SkyAir

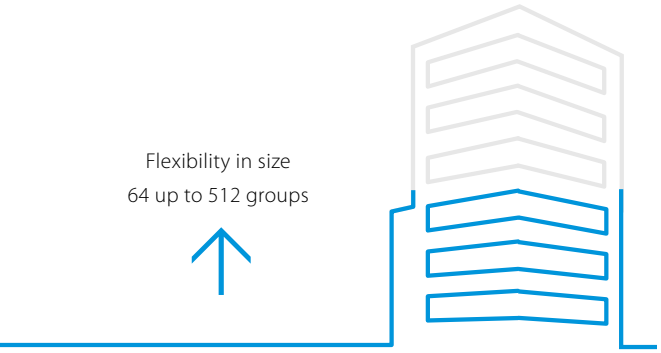
VRV

Fan coils

Chillers and AHU

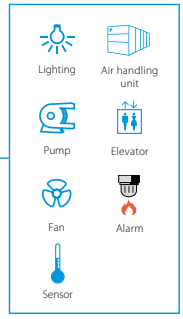
Conveni-pack indoor units

HRV ventilation

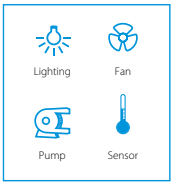


BACnet/IP protocol

DALI Protocol



WAGO I/O



Functions overview

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

Management
- Web access
- Power Proportional Distribution (option)
- Operational history (malfunctions, …)
- Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- Setback function
- Sliding temperature

WAGO Interface
- Modular integration of 3rd party equipment
- Large variety of input and outputs available. For more details refer to the options list

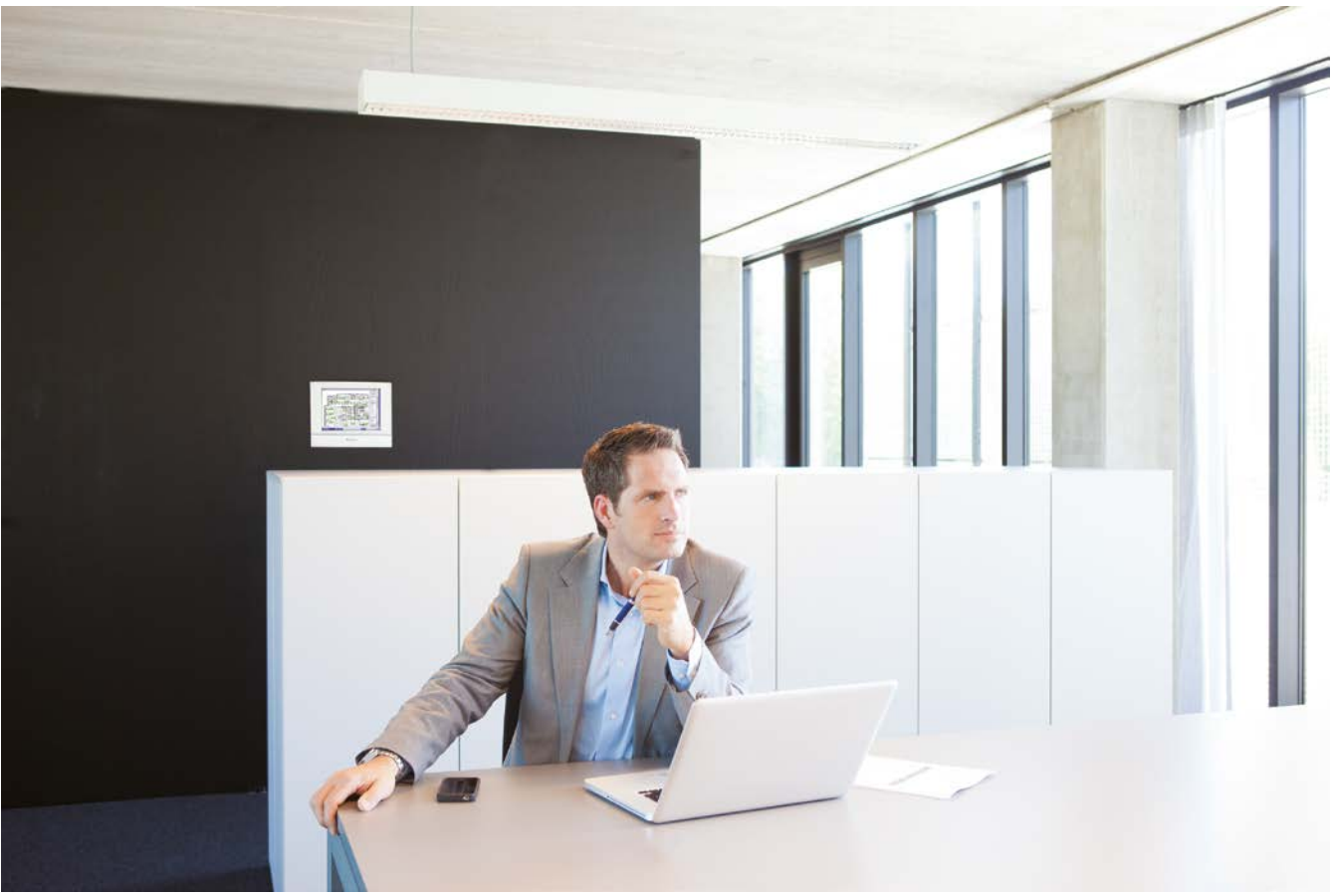
Open http interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout
- Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit

DALI integration
- Control and monitor the lights
- Easier facility management: receive error signal when light or light controller has a malfunction
- Flexible approach and less wiring needed, compared to classic light scheme
- Easier to make groups and control scenes
- Connection between intelligent Touch Manager and DALI through WAGO BACnet / IP interface

Connectable to
- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)



Chiller Intelligent Manager

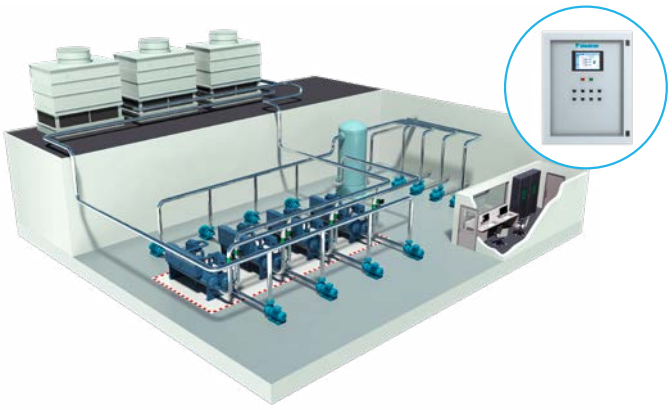
Factory-engineered system control to manage a chiller plant room

Thus optimising its performance and increasing its reliability by:
› Optimal start-up, sequencing & staging of chillers
› Matching chiller capacity to load demand

iCM's main functionalities:

Availability
Determines whether chillers are available or not, based on:
› Inputs from the chiller unit controllers
› Modbus communication status
› Pump status

Sequencing
Optimises the order in which available chillers are turned on and off depending on operating hours, energy efficiency, etc.



Staging
Calculates **energy-optimal stage-up/stage-down** of the chiller by determining the increased capacity demand by capacity control, compensation of temperature and rotation. This function aims at providing the most energy-efficient combination of chillers on a continuous basis.

Stopping Last Chiller/Recycling
Captures a rise in demand when the **last chiller is staged down,** by operating the pump dedicated to the next ON chiller at a minimum VFD frequency.

Min/Max Operating Chiller Setting
Ensures that the number of operating chillers always **stays within a certain range,** regardless of changes in demand.

Why choose iCM?

› Optimise performance
› Increase reliability
› Reduce energy costs
› Reduce maintenance costs
› Factory-engineered and tested
› Remote control and monitoring. From one-time commissioning to real-time commissioning

Daikin is the best qualified partner to optimise the operation of a Daikin chiller plant room.

Remote control and monitoring possibilities

(valid for both Standard and Customised versions)

› **Connectivity to Daikin's remote monitoring and control system (www.daikinonsite.com)** for remote monitoring and service providing Internet connection to the main controller
› **Integration with general BAS/BMS** offered through BACnet or Modbus Modules based on BACnet/IP or Modbus RTU/RS-485 protocols
› **Built-in HMI, Remote HMI, Web HMI and daikinonsite.com** are available for control and configuration

Product line-up

and specifications

iCM is available in two versions:

Standard

(Configuration)

(Basic)
(≤4 MT3 chillers)

(Light/Full)
(≤4/≤8 MT3 chillers
& peripherals)

Customised

(Free-programmable)

(Customised)

Standard version

Configurable controller with a pre-set library of applications.
The standard system is divided into three configurations (Basic, Light and Full) according to how many chillers and peripherals it can manage.
Specific versions of iCM, like iCM IO and iCM CT (Cooling Towers) extend the functionalities of the Basic, Light and Full configurations toward a comprehensive optimization of the Chiller plant operations.
iCM Standard is fully compatible with Daikin on Site cloud platform.

Standard is the right solution for you when you have:

› Up to 8 x (Air cooled/Water Cooled Chillers + Shut-Off valves + Pumps + Cooling Towers)
› Daikin or 3rd party chillers
› A primary only, or a primary-secondary system
› Constant or variable primary (evaporator and condenser) flow
› Dedicated/manifolded layout

iCM Standard is able to manage (via ad hoc quotation) up to:
› **4 x non-Daikin chillers** + 4 x Daikin chillers
› 8 x shut of valves
› 8 x pumps

Customised version:

Free-programmable controller for those applications not covered by the Standard version.

Modbus Interface

RTD

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on running costs via
- pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

RTD-W

› Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller

Overview functions

Main functions			RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions	H x W x D	mm	80 x 80 x 37,5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
N° of units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M

Main functions			RTD-W
Dimensions	H x W x D	mm	100x100x22
On/off prohibition			✓
Modbus RS485			✓
Dry contact control			✓
Output signal (operation error)			✓
Space heating / cooling operation			✓
Domestic hot water control			✓
Smart Grid control			

Control functions	RTD-W
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating / cooling)	M,V
Room temperature setpoint	M
Operation mode	M
Domestic Hot water ON	
Domestic Hot Water reheat	M,C
Domestic Hot Water reheat setpoint	
Domestic Hot Water storage	M
Domestic Hot Water Booster setpoint	
Quiet mode	M,C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Fault/pump info relay choice	
Control source prohibition	M

Smart grid mode control	
Prohibit Space heating/cooling	
Prohibit DHW	
Prohibit Electric heaters	
Prohibit All operation	
PV available for storage	
Powerful boost	

Monitoring functions	
› On/Off Space heating/cooling	› M,C
› Set point leaving water temperature (H/C)	› M
› Room temperature setpoint	› M
› Operation mode	› M
› Domestic Hot Water reheat	› M
› Domestic Hot Water storage	› M
› Number of units in the group	› M
› Average leaving water temperature	› M
› Remocon room temperature	› M
› Fault	› M,C
› Fault code	› M
› Circulation pump operation	› M
› Flow rate	
› Solar pump operation	
› Compressor status	› M
› Desinfection operation	› M
› Setback operation	› M
› Defrost/ start up	› M
› Hot start	
› Booster Heater operation	
› 3-Way valve status	
› Pump running hours accumulated	› M
› Compressor running hours accumulated	
› Actual leaving water temperature	› M
› Actual return water temperature	› M
› Actual DHW tank temperature (*)	› M
› Actual refrigerant temperature	
› Actual outdoor temperature	› M

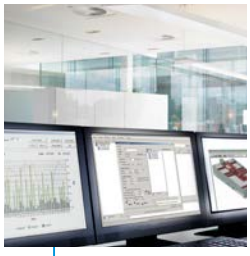
M : Modbus / R : Resistance / V : Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

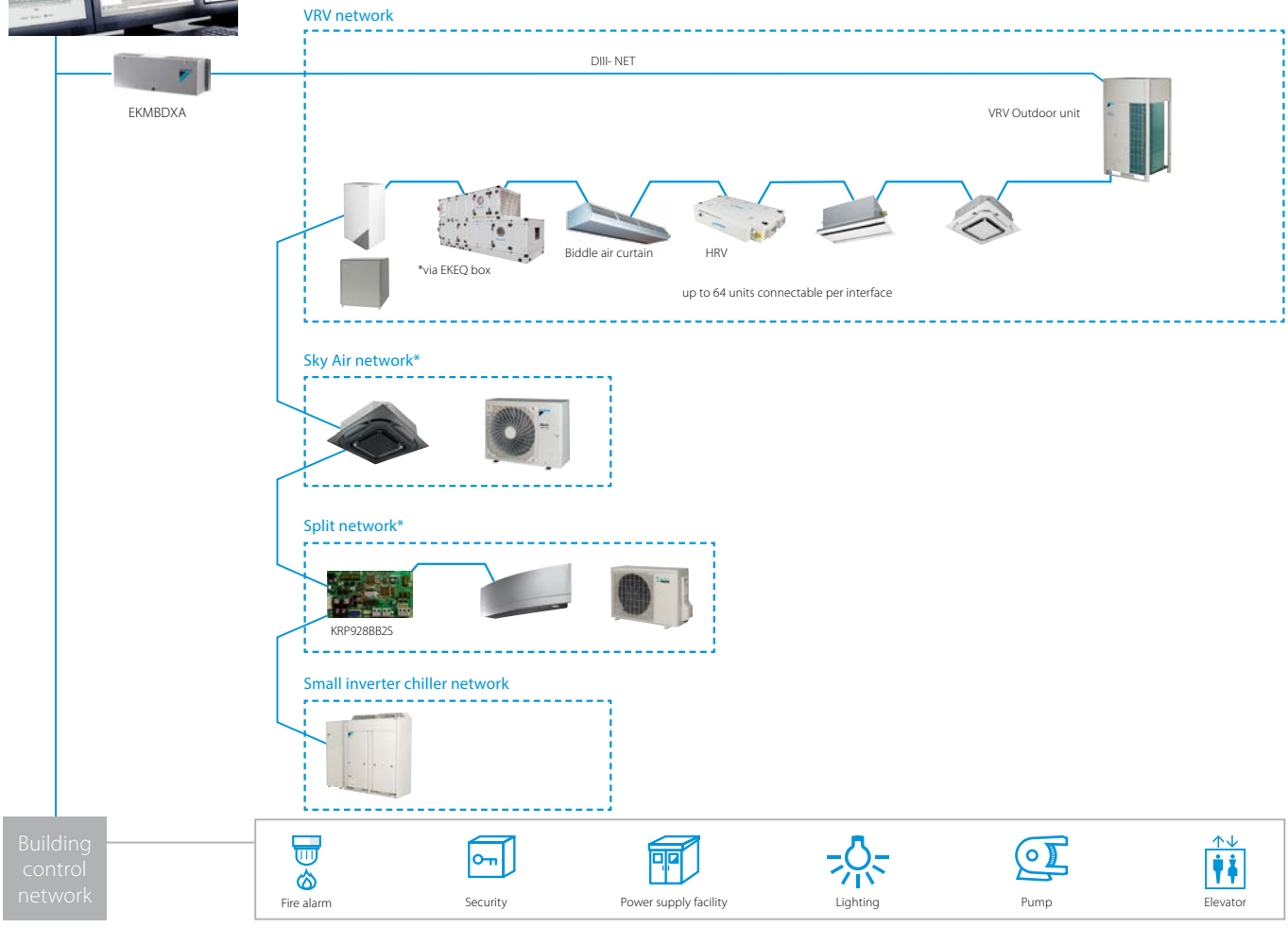
DIII-net Modbus interface

EKMBDXA

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

› Communication via Modbus RS485 protocol
› Detailed monitoring and control of the VRV total solution
› Easy and fast installation via DIII-net protocol
› As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).



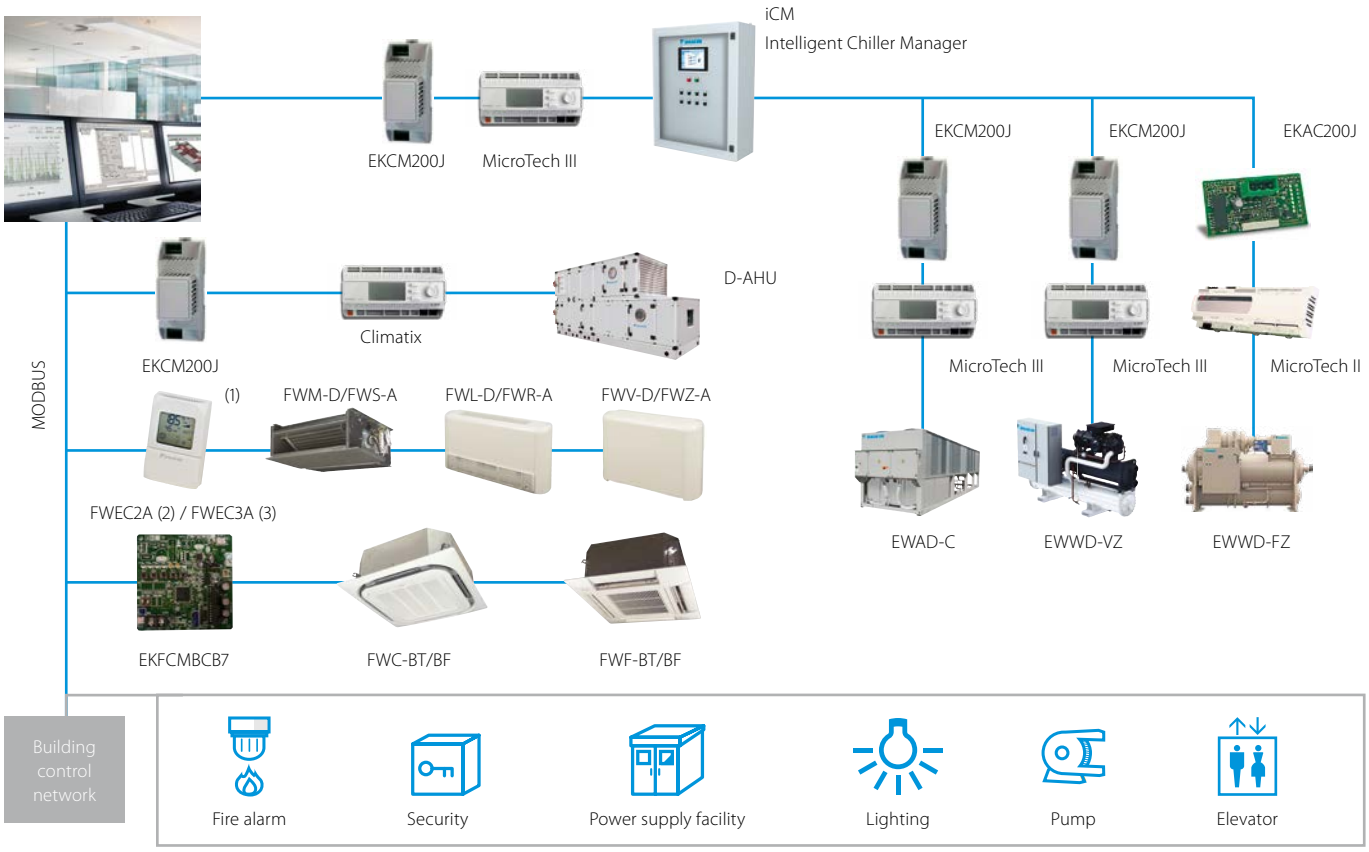


* Additional centralized controller might be required. For more information contact your local dealer.

			EKMBDXA7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9600 bps or 19200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

Modbus interface

Integrate chillers, fan coil units and air handling units in BMS systems via modbus protocol



(1) The communication module is integrated in the controller (2) Connection to FWV-D, FWL-D & FWM-D (3) Connection to FWV-D, FWL-D, FWM-D and to FWZ-A, FWR-A, FWS-A

Integrate Refrigeration units in BMS systems via modbus protocol

BRR9A1V1

* For all connectable indoor units and Biddle air curtains please refer to the Conveni-pack pages in this catalogue

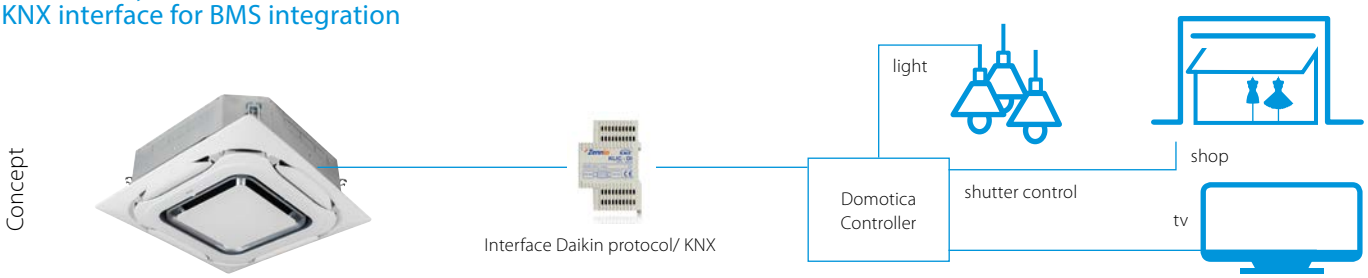
KNX interface

KLIC-DD(3)
KLIC-DI

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system

Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	KLIC-DD (3) Size 45x45x15mm	KLIC-DI Size 90x60x35mm	
	Split	Sky Air	VRV
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

PMS Interface

DCM010A51

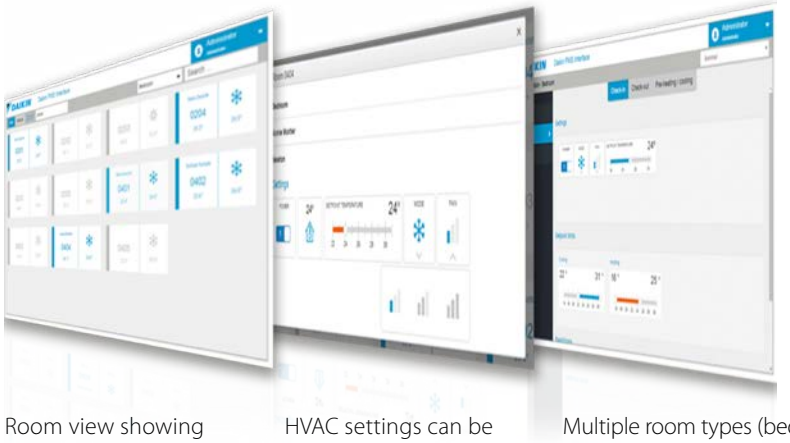
Hotel interface connecting

Daikin HVAC with Oracle

Property Management Systems

Features

- User-friendly interface for easy front desk support in hotels, conference centers, …
- Compatible with Oracle Opera PMS (formerly known as Micros Fidelio)
- Automated push of indoor unit settings based on the Opera PMS Check-In and Check-Out commands
- Energy saving thanks to the possibility to limit temperature setpoint
- Up to 5 customized operation profiles based on weather conditions
- Available in 23 languages
- Up to 2,500 units / rooms can be managed



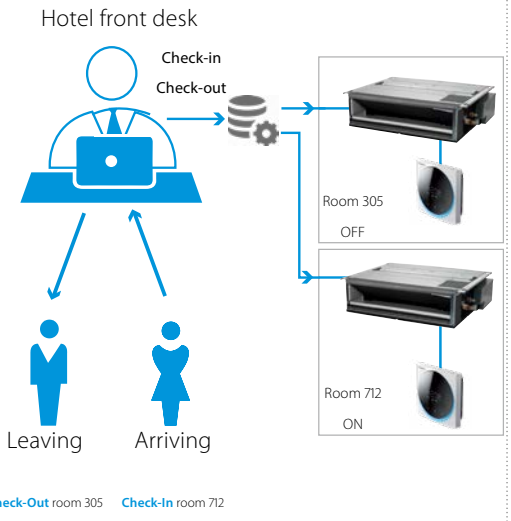
Room view showing room status: check-in, check-out, pre-heating / cooling status, room temperature and A/C status

HVAC settings can be easily observed and changed by the reception desk

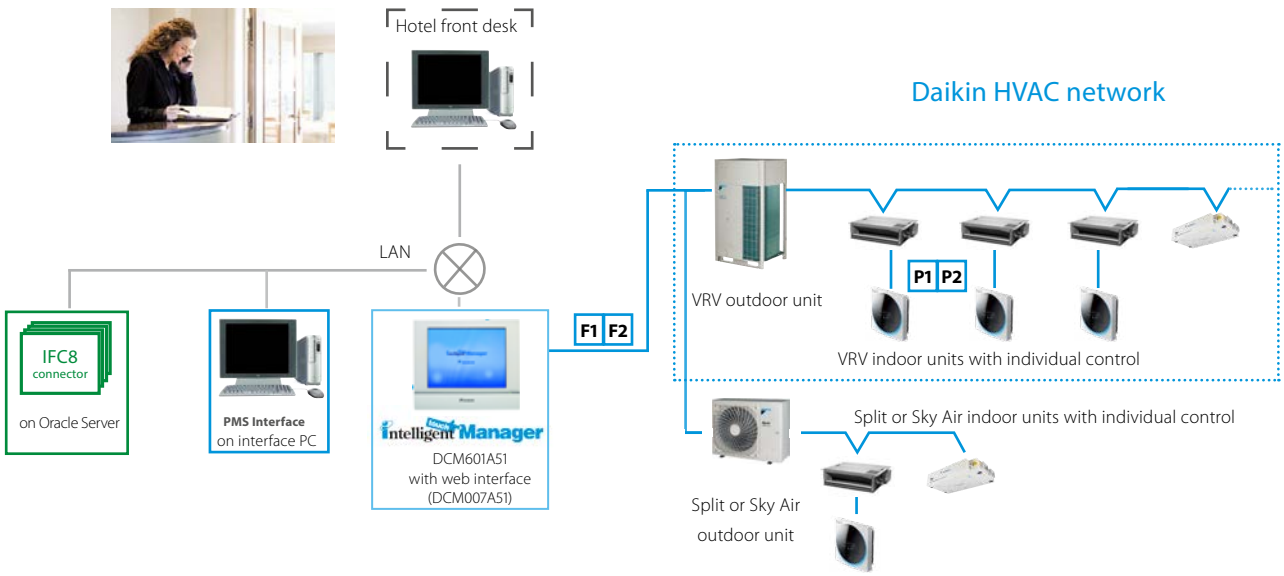
Multiple room types (bed-room, meeting room, …) can be defined with customized A/C settings for each type

Hotel case example:

› On check-in the HVAC for the room is automatically switched on
› On check-out the HVAC for the room is automatically switched off.
› Increased hotel customer experience by pre-heating / cooling of booked rooms



Simplified configuration of Daikin PMS interface

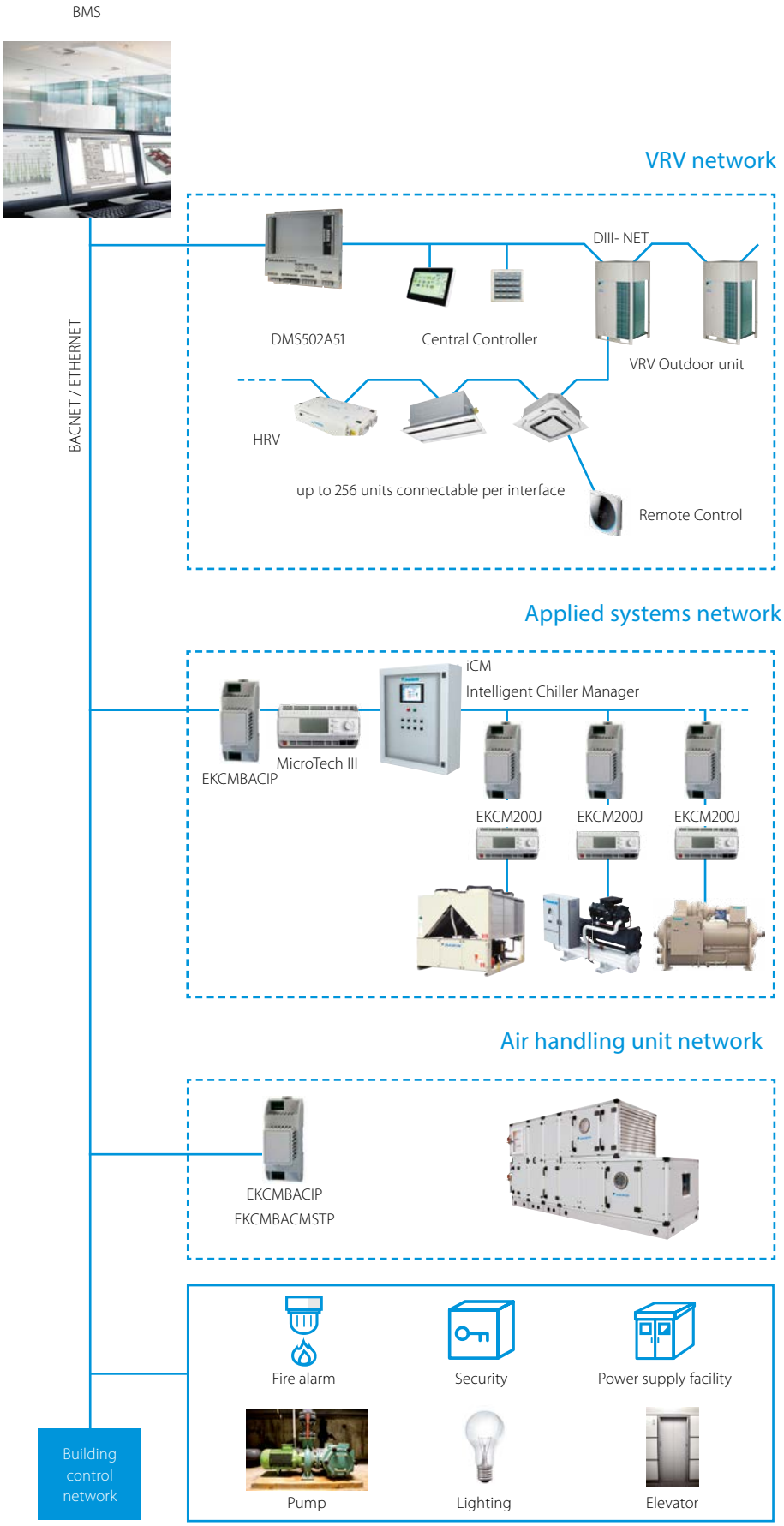


BACnet Interface

DMS502A51 / EKACBACMSTP / EKCMBACIP / EKCMBACMSTP

Integrated control system for seamless connection between VRV, applied systems, air handling units and BMS systems

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- Unlimited site size
- Easy and fast installation
- PPD data is available on BMS system (only for VRV)

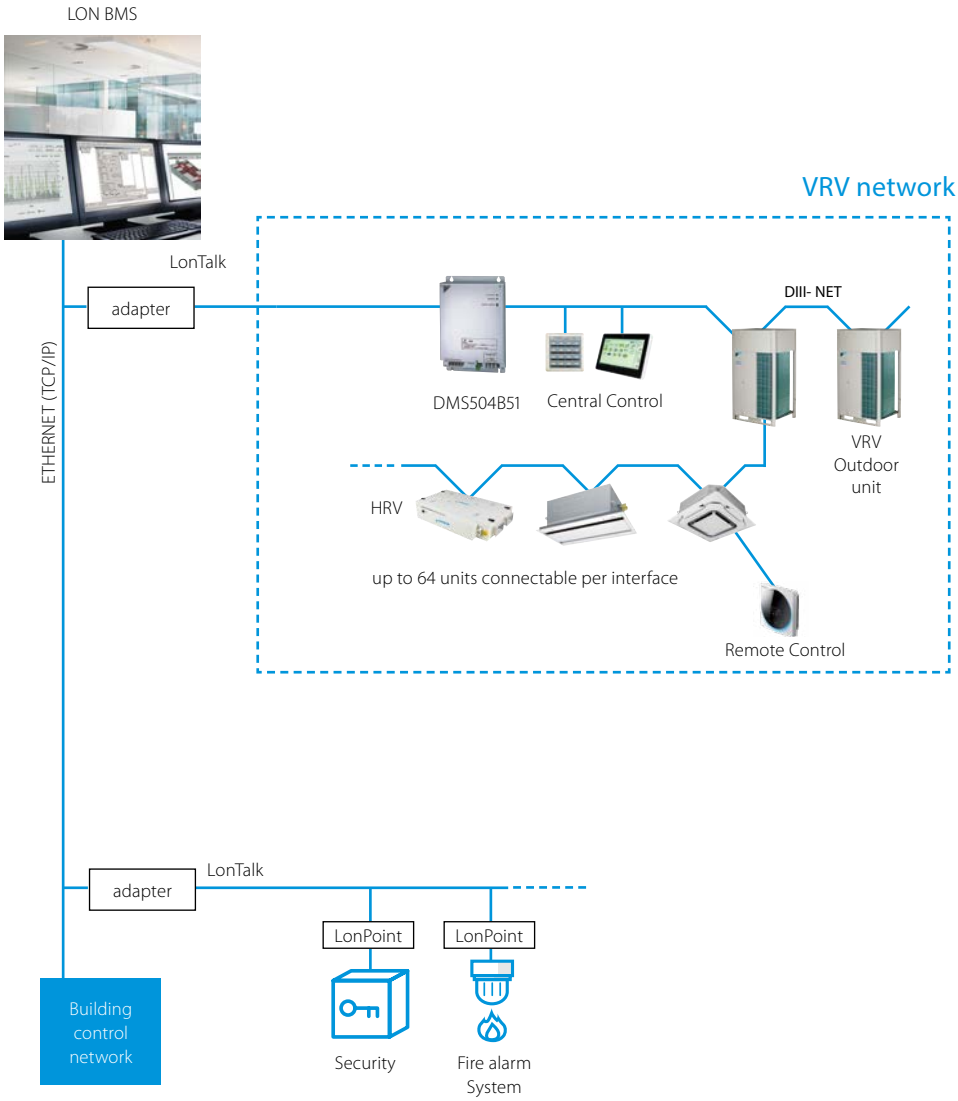


LonWorks Interface

DMS504B51

Open network integration of VRV monitoring and control functions into LonWorks networks

- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- Unlimited sitesize
- Quick and easy installation



Daikin Cloud Service

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

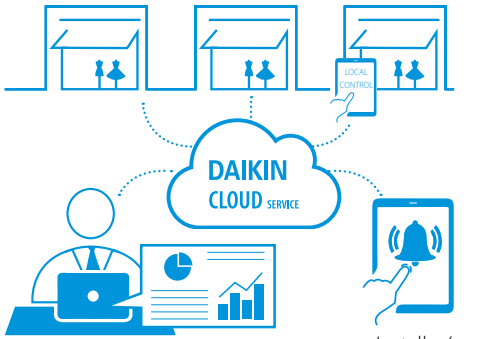
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises

Multi-site monitoring

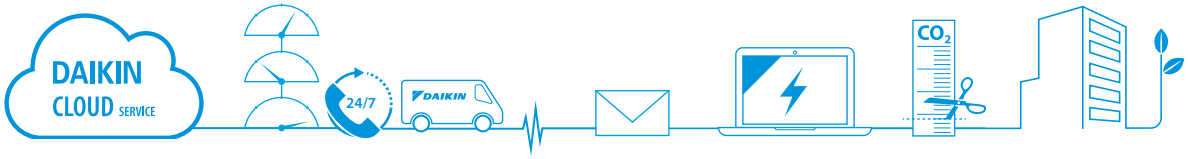
From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ☑ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ☑ Service providers have access to operational data so they arrive on site prepared
- ☑ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ☑ Periodical analysis and optimisation report by experts
- ☑ Personalised actions to maximise energy efficiency and comfort
- ☑ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✗	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

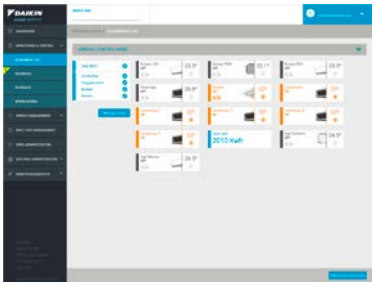
Predictive logic for VRV to prevent breakdowns

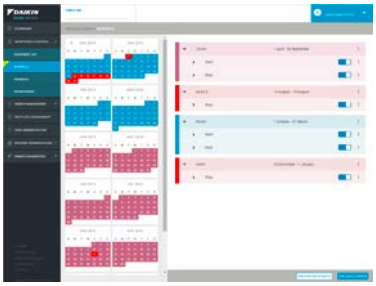
The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

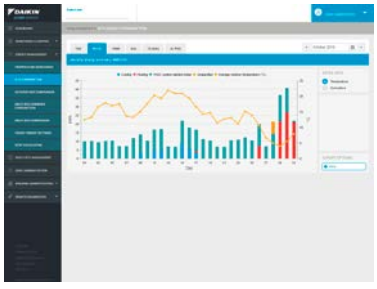
Compatible with:

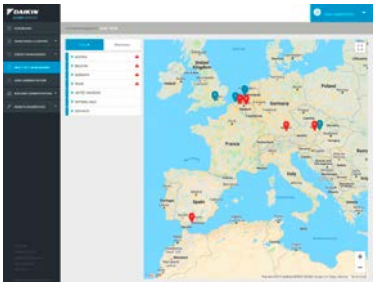
› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601A51) + IoT gateway

1. Clear dashboard overview


2. Monitor and control your system


3. Easy setting of schedules


4. Energy management and consumption follow up


5. Multi site management

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

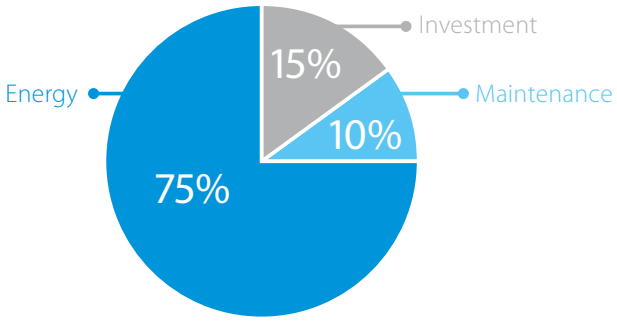
** Only available for VRV systems

Why
Daikin on Site?

Operating costs like energy and maintenance typically account for 85% of the system's total lifetime cost. Undiscovered energy waste and incorrect operation will increase costs and can even lead to unscheduled interruptions.

Using Daikin on Site monitoring results in optimum use and costs over the system's entire lifetime:

› Enhanced control and measuring
› Monitors the system
› Reduces risks at the earliest possible moment
› Keeps the system running as it was intended to



Typical Life cycle Cost of a chiller (15 years)

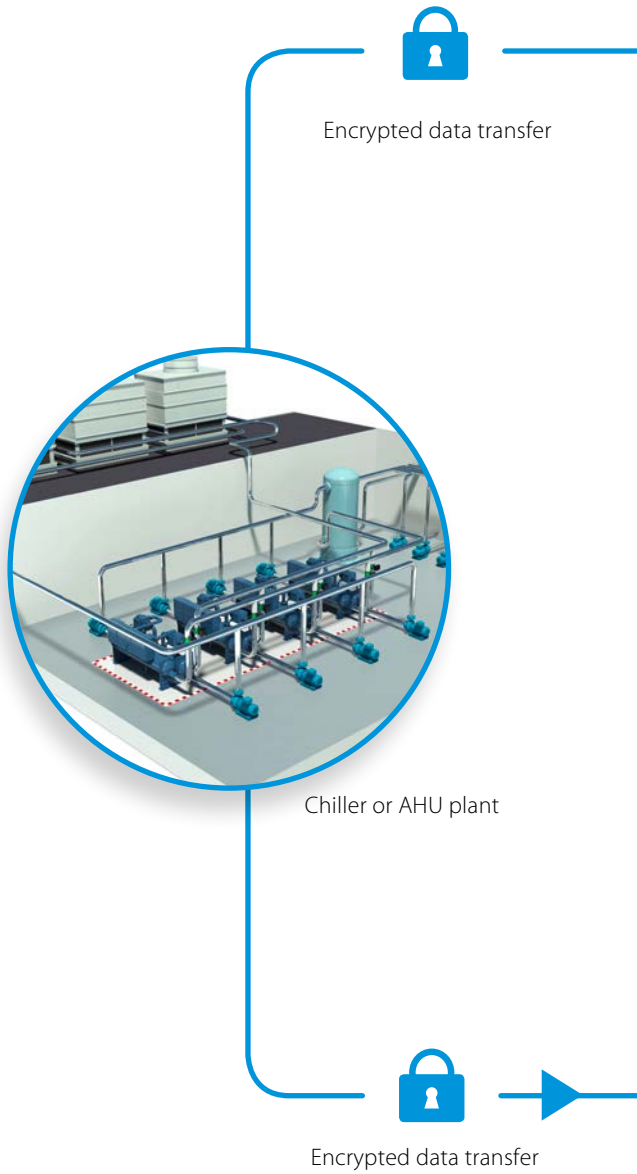
What
is Daikin on Site?

A solution for customer specific needs

The Daikin on Site cloud server collects operational data from the control system of a Daikin chiller or air handling unit plant.
Daikin's Smartcentre then turns this data into useful information on a web user interface.
Daikin on Site has predefined user roles like:
› **operator**
› **service provider**
› **Daikin specialists**

The Daikin on Site platform's features are designed to:
› Increase uptime, reduce unscheduled interruptions
› Optimise efficiency and reduce energy waste
› Increase lifetime and avoid wear by misuse
› Give insight into the optimum use of equipment, including advice from a Daikin expert

We will combine Daikin on Site remote monitoring with the complementary service programme best suited to your needs.

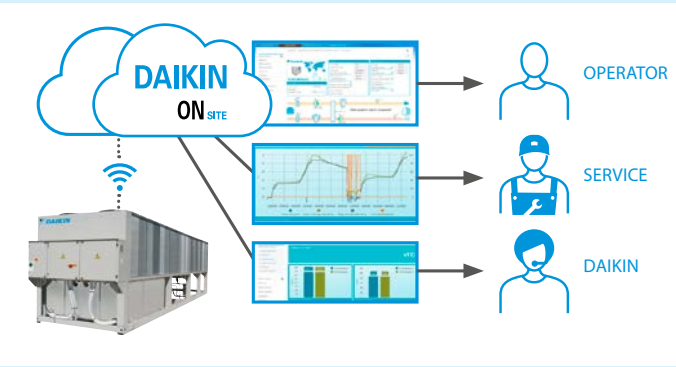


How does Daikin on Site deliver?

1 **Insight wherever and whenever required, full visibility and traceability of the HVAC installation.**
- Real-time information and trend insights
- No local software required
- Personal access to the web-based user interface
- Reports

2 **With Daikin on Site, we team up operators and specialists.**
- User-friendly operator information
- State-of-the art tool providing best-in-class service
- Remote solutions when possible, avoiding on site interventions

3 **Converting all expertise to maintain highest energy efficiency and uptime.**



ACTION TAKEN

You can hand it to us

Alerts & web application
- 24/7 year-round alarm and event monitoring
- Automated alarm system
- Receive service updates or notifications via email
- Access to Daikin on Site web application

Active monitoring
- Remote alarm analysis and diagnostics provided by Daikin Experts
- Fast and reliable on site service

Connected Service Plan
- Remote alarm analysis and diagnostics provided by Daikin Experts
- Fast and reliable on site service
- All initiatives are combined with the most suitable Daikin Service Plan

Periodical reporting
- Clear evidence of supervision activity
- Last month and last 6 months unit status feedback
- Operational deep analysis
- Improvements guidelines

CLOUD DATA WAREHOUSE

Encrypted data transfer

SMARTCENTRE
Turns data into actions

Daikin Configurator Tool + Software

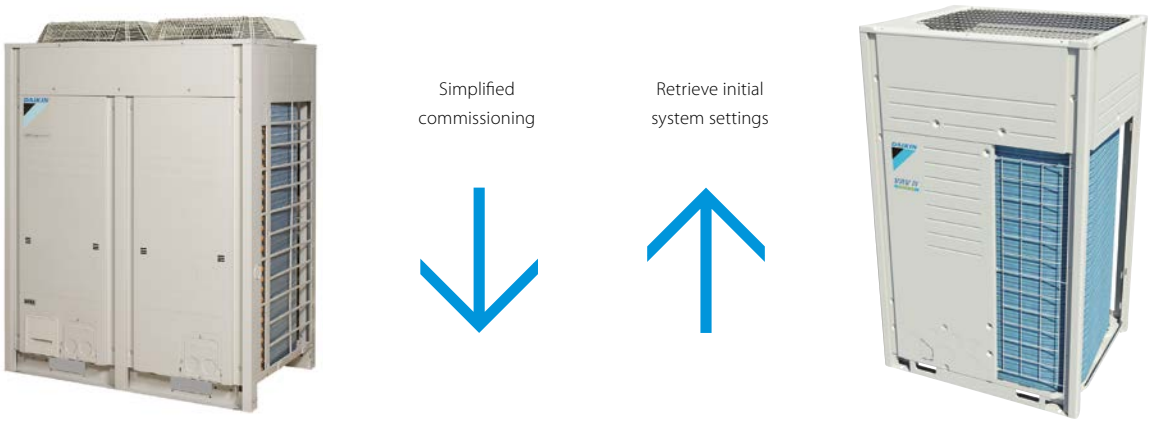
EKPCCAB4

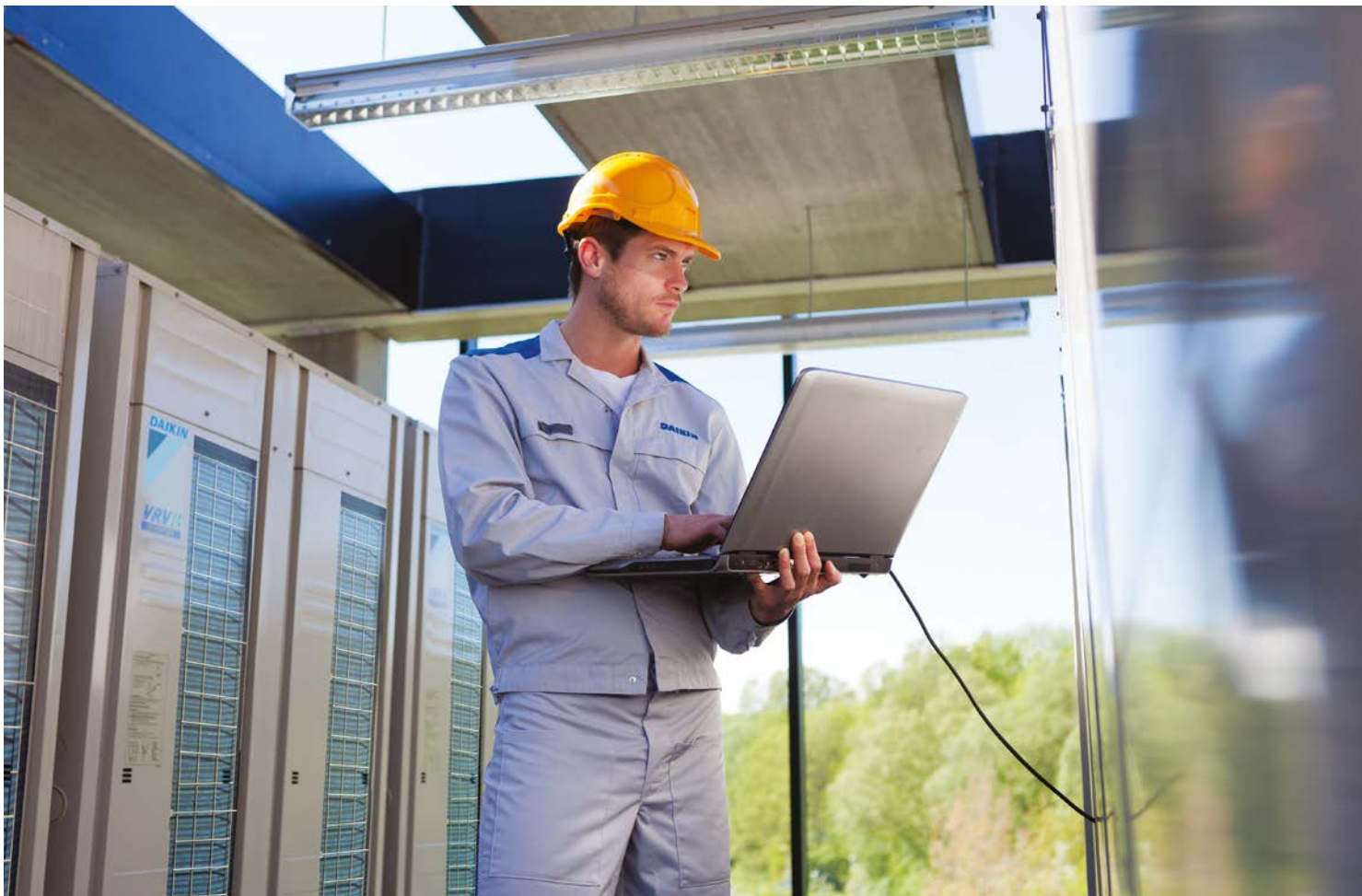
Simplified commissioning: graphical interface to configure, commission and upload system settings

Simplified commissioning

The Daikin configurator for Daikin Altherma and VRV is an advanced software solution that allows for easy system configuration and commissioning:

› Less time is required on the roof configuring the outdoor unit
› Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
› Initial settings on the outdoor unit can be easily retrieved





Wireless room temperature sensor

K.RSS

Flexible and easy installation

- Accurate temperature measurement thanks to flexible placement of the sensor
- No need for wiring
- No need to drill holes
- Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)

Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

- Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

Wired room temperature sensor

KRCS*

- Accurate temperature measurement, thanks to flexible placement of the sensor
- specifc model code for each indoor unit can be found in the option tables

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs

Simple solutions for unique requirements

Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

			Connectable to:		
			Split	Sky Air	VRV
	(E)KRP1B* adapter for wiring	• Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper • Powered by and installed at the indoor unit		●	●
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	• Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) • Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) • Alarm indication/ fire shut down • Remote temperature setpoint adjustment • Cannot be used in combination with a central controller		●	●
	KRP58M3	• Low noise and demand control option for RZQ200/250C		●	
	SB.KRP58M51	• Low noise and demand control option for RZQG and RZQSG single phase • Includes mounting plate EKMKSA1		●	
	KRP58M51	• Low noise and demand control option for RZQG1 and RZQSG 3 phase		●	
	DTA104A* Outdoor Unit External Control Adapter	• Individual or simultaneous control of VRV system operating mode • Demand control of individual or multiple systems • Low noise option for individual or multiple systems			●
	DCS302A52-9 Unification adapter for computerized control	• Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system • Must be used together with Intelligent Touch Controller or intelligent Touch Manager • Cannot be combined with KRP2/4* • Can be used for all VRV indoor models			●
	KRP928* Interface adapter for DIII-net	• Allows integration of split units to Daikin central controls	●		
	KRP413* Wiring adapter normal open contact / normal open pulse contact	• Switch off auto restart after power failure • Indication of operation mode / error • Remotely start /stop • Remotely change operation mode • Remotely change fan speed	●		
	KRP980* Adapter for split units without an S21 port	• Connect a wired remote control • Connect to Daikin central controls • Allow external contact	●		

Some adapters require an installation box, refer to the option lists for more information

Accessories

EKRORO		• External ON/OFF or forced off • Example: door or window contact
EKRORO 3		• External ON/OFF or forced off • F1/F2 contact • Example: door or window contact
KRC19-26A		• Mechanical cool/heat selector • Allows switching over an entire system between cooling/heating/fan only • Connects to the A/B/C terminals of the unit
BRP2A81		• Cool/heat selector PCB • Required to connect KRC19-26A to a VRV IV outdoor unit

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			●				
Electical box KJB111A	●	●	●				
Electical box KJB212A(A) (1)	●	●		●	●		
Electical box KJB311A(A)						●	
Electical box KJB411AA							●

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		intelligent Tablet Controller		
		Options for local control	**Daikin Cloud Service options**	**Software**
Wired screen for local control	AL-CCD07-VESA-1	●	–	–
Control and monitoring package		–	●	–
Remote support and diagnostics package		–	●	–
Advise and optimisation package		–	●	–
Commissioning tool		–	–	●
Software update tool		–	–	●

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	●
Digital pulse inputs (12) for PPD functionality	DAM412B51	●

Intelligent Chiller Manager

		intelligent Manager
Differential Pressure Sensor 4-20 mA 0-160 kPa	EKQDP2M016	●
Differential Pressure Sensor 4-20 mA 0-250 kPa	EKQDP2M020	●
Differential Pressure Sensor 4-20 mA 0-400 kPa	EKQDP2M040	●
Differential Pressure Sensor 4-20 mA 0-600 kPa	EKQDP2M060	●
ModBus RTU communication module	EKCM200J	●
BACnet IP communication module	EKCMBACIP	●

Intelligent Touch Manager - DCM601A51

		Intelligent Manager	Daikin Cloud Service options (2)
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	●	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	●	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	●	
iTM Energy navigator – Energy management option	DCM008A51	●	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	●	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	● Oracle Opera PMS	
Monitoring package			●
Remote support and diagnostics package			●
Advise and optimisation package			●

WAGO interface options for intelligent Touch Manager

Required or optional WAGO base modules

Module type	Model code	Specifications	
24 V DC power supply	787-712	100 to 240 V AC —> 24 V DC, 2.5 A	Required
Communications unit (Bus coupler)	WGDCMCPLR2	RS-485, Max:115.2kbps, not programmable	Required
Connector (1)	750-960		Required
Terminator module	750-600		Required
Power supply module	750-613	IN: 24 V DC, OUT: 5 V DC	Optional

Supported WAGO I/0 modules

I/0 module type	Model code	Specifications	N° of contacts
Di	750-400	No-voltage contact input Contact rating: 24 V DC / 4.5 mA"	2
	750-432		4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
Do	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
	750-504	No-voltage contact output Contact rating: 24 V DC / 0.5 A	4
Ai	750-454	Rated at 4 to 20 mA: 12-bit resolution	2
	750-455		4
	750-479	Rated at –10 to 10 V: 13-bit resolution	2
	750-459	Rated at 0 to 10 V: 12-bit resolution	4
Ao	750-554	Rated at 4 to 20 mA: 12-bit resolution	2
	750-555		4
	750-560	Rated at –10 to 10 V: 10-bit resolution	2
	750-559	Rated at 0 to 10 V: 12-bit resolution	4
Thermistor	750-461/020-000	NTC20K thermistor	2
	750-461	Pt 100/RTD	2
	750-460		4
	750-461/000-003	Pt 1000/RTD	2
	750-460/000-003		4
	50-461/000-004	Ni 100/RTD	2
	750-461/000-005	Ni1000 TK6180/RTD	2
	750-460/000-005		4
Pi	750-638	Minimum pulse width: 1 ms	2

(1) This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.

(2) To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU.SB.5000072) and AC/DC converter (999175A) is needed.

Power supply

T1 = 3~, 220V, 50Hz
V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
V3 = 1~, 230V, 50Hz
VM = 1~, 220~240V/220~230V, 50Hz/60Hz
W1 = 3N~, 400V, 50Hz
Y1 = 3~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Conversion table refrigerant piping

inch	mm
1/4″	6.4 mm
3/8″	9.5 mm
1/2″	12.7 mm
5/8″	15.9 mm
3/4″	19.1 mm
7/8″	22.2 mm
1 1/8″	28.5 mm
1 3/8″	34.9 mm
1 5/8″	41.3 mm
1 3/4″	44.5 mm
2″	50.8 mm
2 1/8″	54 mm
2 5/8″	66.7 mm

F-gas regulation

For fully/partially charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (Chillers: split chiller (SEHVX/SERHQ), condensing units and condenserless chillers + refrigeration (LCBKQ-AV1, JEHCCU/JEHSCU and ICU): its functioning relies on fluorinated greenhouse gases.

Measuring conditions

Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

Refrigeration

ZEAS	Chilling		Evaporating temp. -10°C; outdoor temp. 32°C; Suction SH10°C
	Freezing		Evaporating temp. -35°C; outdoor temp. 32°C; Suction SH10°C
Conveni-Pack	Mix Air conditioning and refrigeration operating mode		Indoor temp. 27°CDB/19°CWB; outdoor temp. 32°CDB; piping length:7.5m; level difference: 0m; refrigeration side: Evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C
	Mix heating and refrigeration operating mode (Heating recovery 100% mode)		Indoor temp. 20°C; outdoor temp. 7°CDB,6°CWB; refrigeration load 18kW (Evaporating temp. -10°C; Suction SH: 10°C); piping length:7.5m; level difference: 0m
Booster unit			Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C
CCU/SCU	Medium temperature application		Medium temperature application: Outside ambient temp. 32°C; Evaporating temp. = -10°C and 10K superheat;
	Low temperature application		Low temperature application: Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature
Zanotti	Uni-Block, Bi-Block, Wineblock	High temperature	When normally running : +10°C / +30°C
		Medium temperature	When normally running : 0°C / 30°C
		Low temperature	When normally running : -20°C / +30°C
	CU (one , twin, and more compressor(s))	Medium temperature	Outside ambient temp. 32°C; Evaporating temp. = -10°C and 20°C suction gas temperature
		Low temperature	Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature

Applied systems

Air cooled	Cooling only		Evaporator: 12°C/7°C	Ambient: 35°CDB
	Heat pump		Evaporator: 12°C/7°C	Ambient: 35°C
			Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
Water cooled	Cooling only		Evaporator: 12°C/7°C	
			Condenser: 30°C/35°C	
	Heating only		Evaporator: 12°C/7°C	
			Condenser: 40°C/45°C	
Condenserless chiller			Evaporator: 12°C/7°C	
			Condensing temperature: 45°C / liquid temperature: 40°C	
Fan coil units	Cooling		Indoor temperature 27°CDB, 19°CWB; entering water temperature 7°C, water temperature rise 5K	
	Heating	2-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 45°C, water temperature drop 5K	
		4-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 65°C, water temperature drop 10K	
Air Handling Units			Temperature and humidity conditions: Extract air 22°C / 50%; Fresh air -10°C / 90%	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.

Notes

Benefits

We care icons

Seasonal efficiency, smart use of energy
Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.

Auto-cleaning filter
The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.

Inverter technology
Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.

2 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.

3 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions : left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting and eventually switch off.

Energy saving during operation standby
Current consumption is reduced by about 80 % when operating on standby.

Night set mode
Saves energy, by preventing overcooling or overheating during night time.

Econo mode
This function decreases the power consumption so that other applicances that need large power consumption can be used. This function is also energy saving.

Movement sensor
Saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.

Home leave operation
During absence, the indoor temperature can be maintained at your specified comfort level during absence.

Fan only
The air conditioner can be used as fan, blowing air without cooling or heating.

Free cooling
By exploiting the low external air temperatures to cool the water, free cooling reduces the load on the compressors and decreases considerably the annual operating costs during the cold season.

Floor & presence sensor
The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.

Solar panel
Take advantage of solar power. Easily connect your hot water storage to solar collectors on your roof.

Comfort

Comfort mode
The unit automatically changes the angle of the air discharge louvre depending on the mode. In cooling operation the air will be directed rather upwards to avoid cold draught, while in heating operation the air will be directed rather downwards to avoid cold feet.

Powerful mode
If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.

Impossible to hear
Practically inaudible: the unit runs so quietly, you will almost forget it is there.

Whisper quiet
Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood. (with sound levels as low as 19dBA)

Outdoor unit silent operation
To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3 dB(A) via remote control.

Comfortable sleeping mode
Increased comfort function that follows a specific temperature fluctuation rhythm.

Draught prevention
When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.

Auto cooling-heating changeover
Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).

Indoor unit silent operation
To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3 dB(A) via remote control.

Night quiet mode (cooling only)
Lowers the operation sound of the outdoor unit automatically at night.
Installer has to make special setting on outdoor unit or wired remote controller, depending on model.

Radiant heat
The front panel of the indoor unit radiates additional heat to add to your comfort on cold days

Fresh hot water
The structure of thermal store ensures optimal water hygiene and eliminates the risk of bacteria and legionella. Rest assured that your hot water is fresh and safe

Air flow

Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.

Vertical auto swing
Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.

Auto fan speed
Automatically selects the necessary fan speed to reach or maintain the set temperature.

Individual flap control
Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.

Coanda effect - cooling
The Coanda effect optimises the airflow in cooling mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

Coanda effect - heating
The Coanda effect optimises the airflow in heating mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

3-D Air flow
This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.

Horizontal auto swing
Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.

Fan speed steps
Allows to select up to the given number of fan speed.

Fireplace logic
When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house

Intelligent thermal sensor
The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

Benefits

Humidity control

Ururu - humidification
Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.

Dry programme
Allows humidity levels to be reduced without variations in room temperature.

Sarara - dehumidification
Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.

Air treatment

Flash streamer
Generates high speed electrons that powerfully breaks down viruses, bacteria, odours and allergens.

Silver allergen removal and air purifying filter
Captures allergens such as pollen and dust mites.
The filter suppresses pollen and mites for 99% or more.

Titanium apatite deodorizing filter
Captures airborne dust particles and harmful organic chemical substances such as bacteria, viruses and allergens and deodorizes the odours of e.g. tobacco and pets.

Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Remote control & timer

Weekly timer
Timer can be set to start operation anytime on a daily or weekly basis

Timer
Allows to preset the air conditioner to start/stop at a specified time.

Wired remote control
Wired remote control to start, stop and regulate the air conditioner from a distance.

Multi zoning
Allows up to 6 individual climate zones with one indoor unit.

24 Hour timer
Timer can be set to start cooling/heating anytime during a 24-hour period.

Infrared remote control
Infrared remote control with LCD to start, stop and regulate your indoor unit from a distance.

Centralised control
Centralised control to start, stop and regulate several indoor units from one central point.

Online controller via app
Control your indoor unit from any location via app.
(optional WLAN adapter)

Other functions

Auto-restart
The unit restarts automatically at the original settings after power failure.

Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.

VRV for residential application
Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Multi tenant
The indoor unit's main power supply can be turned off when leaving the hotel or office building.

Scroll compressor
Scroll compressors consist of two scrolls, one is fixed while the other orbits eccentrically without rotating. Designed for small and medium capacities, they provide constant reliability and high efficiency throughout its service life.

Centrifugal compressor
Centrifugal compressors use an impeller and volute section to convert the velocity energy into pressure energy. Centrifugal compressors are designed with either optional variable speed drives (VFD) for superior part-load performance for single or dual compressor units, or with magnetic bearings and totally oil-free operation.

Guaranteed operation down to -20°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.

Guaranteed operation down to -28°C
Daikin Altherma is suitable for all climates, even withstanding severe winter conditions with an operation range down to -28°C.

Infrastructure cooling
Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.

Self-diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.

Multi model application
Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Drain pump kit
Facilitates condensation draining from the indoor unit.

Swing compressor
Swing type compressors have a unified vane and roller with fewer moving parts producing low vibration and friction, achieve higher reliability and efficiency compared to conventionally rotary compressors.

Screw compressor
Single screw compressors consist of a main single screw and two gate rotors. Optimal performance through step less capacity control, they are designed for high capacities and optimal performances.

Reciprocating compressor
The reciprocating type compressor consists of a cylinder, pistons and valves. The compression is accomplished by reciprocating movements of the piston in the cylinder.

Guaranteed operation down to -25°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -25°C

DAIKIN

BLUEVOLUTION

Daikin Altherma 3 H HT

The quintessence of heat pump

EPRA14-18DV/W

High temperature air-to-water heat pump

Heating, cooling and domestic hot water

35°C and 55°C

Up to A+++

A+

Meet modern society's expectations

Daikin Altherma 3 H HT benefits from a distinctive design made of a black horizontal front grill hiding the fan from view and a light grey casing reflecting the environment where the unit is installed.

Silence rhymes with comfort

With a sound pressure at 3 meters down to 35 dB(A), the Daikin Altherma 3 H HT is as silent as a library, making it fit in sensitive urban areas with sound restrictions.

iF DESIGN AWARD 2019

Withstand the coldest climate conditions

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H HT to work in "heat pump" mode only, down to -28°C outside temperature.

Lower your environmental footprint

Thanks to the combination of its lower GWP (675 vs. 2087, 5 for R410-A) and a lower refrigerant charge, R-32 is able to reduce by 30 % its refrigerant charge wich makes it better for the environment.

reddot design award winner 2019

For more information: www.daikin.eu

ECPEN20-500

CERTIFIED ISO 9001 · ISO 14001

CE

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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