DAIKIN

PRELIMINARY

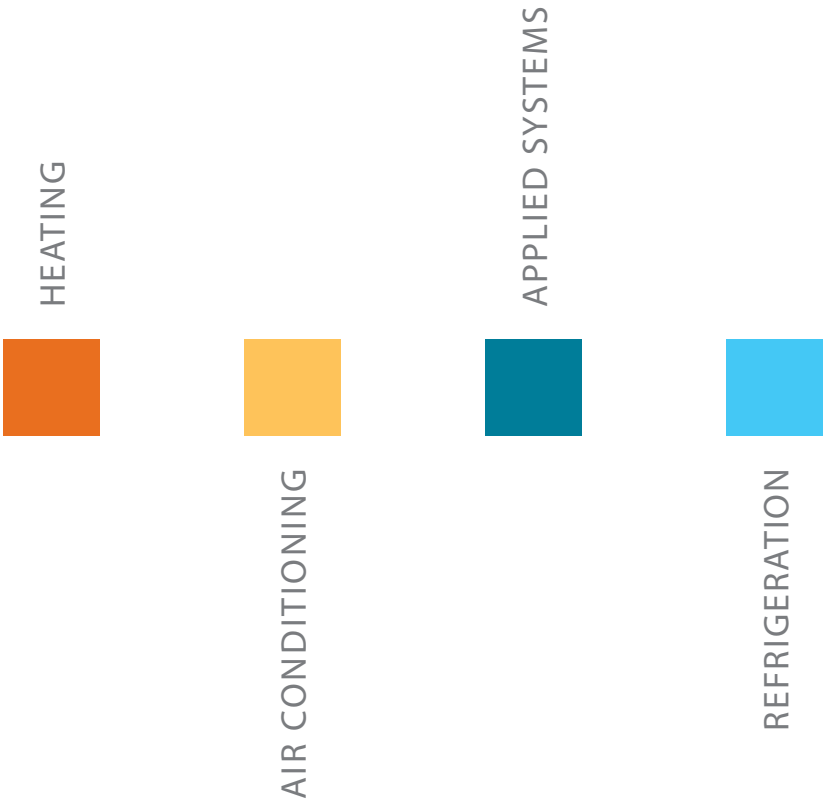
General Catalogue 2013

RESIDENTIAL / COMMERCIAL / INDUSTRIAL SOLUTIONS

DAIKIN

GENERAL CATALOGUE 2013

Make your world a better place



Our mission, and the essence of our existence, is to identify and realise our customers' future needs and dreams, even those that they themselves may not yet be aware of. We can accomplish this goal by paying careful attention to changes in social trends and conducting extensive marketing to win the hearts and minds of customers. It is essential that we offer customers optimum convenience and comfort that are always one step ahead of our competitors by providing customers with the highest quality products, materials, and services for which we, as a manufacturer, will be absolutely responsible. Moreover, we will continue offering products and services that provide customers with fresh excitement and continued enjoyment.

In any era in any business field, a company can grow and develop only if it possesses world-leading technologies.

As we continue developing our business operations in various fields, it is our mission to proactively develop initiatives to respond to environmental issues. Incorporating environmental initiatives throughout our management must be a priority for us.

In all aspects of our business operations, including product development, manufacturing and sales, we need to formulate initiatives that sustain and improve the environment. Meanwhile, we need to promote the development of new products and the innovation of technologies that will lead to a more environmentally healthy world.

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> Throughout the catalogue you will find short URLs on the product pages, called "bitly codes". These bitly codes are meant for your benefit, so you can easily and quickly navigate from the general catalogue towards the corresponding product page online. More info about these bitly codes, as well as bundles can be found at the back of the general catalogue.

New products 2013

111
167

FULLY FLAT CASSETTE - FFQ-C/FXZQ-A

> Unique design in the market: integrates fully flat into the ceiling and fits flush into architectural ceiling modules
> Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or a combination of silver and matt crystal white
> Even more energy efficient with the presence sensor
> Offering improved comfort with the floor sensor
> Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) when refurbishing or rearranging your interior
> No optional adapter needed for DIII-connection of Sky Air model

168

2-WAY BLOW CEILING MOUNTED CASSETTE - FXCQ-A

> Low energy consumption thanks to specially developed small tube heat exchanger, DC inverter fans and drain pumps
> Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
> Improved comfort with automatic air flow adjustment to required load
> Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) when refurbishing or rearranging your interior

120
176

CEILING SUSPENDED CASSETTE - FHQ-C/FXHQ-A

> Low energy consumption thanks to DC inverter fans and drain pumps
> Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
> No optional adapter needed for DIII-connection of Sky Air model

123
177

4-WAY BLOW CEILING SUSPENDED UNIT - FUQ-C/FXUQ-A

> Low energy consumption thanks to specially developed small tube heat exchanger, DC inverter fans and drain pumps
> Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
> Improved comfort with automatic air flow adjustment to required load
> Same outlook for all models (unified dimensions)
> No optional adapter needed for DIII-connection of Sky Air model
> Separate BEVQ box is no longer needed for VRV model: the expansion valve is integrated in the indoor unit

New products 2013

180

LOW TEMPERATURE HYDROBOX FOR VRV - HXY-A

> Air to water heat pump connection to VRV
> Highly efficient space heating/cooling
> Can be used for both heating and cooling with a variety of applications such as underfloor, AHU, low temperture radiators, …
> Delivers output water temperatures of between 5°C and 45°C without additional electric heaters

210

MULTIPLE SCROLL CHILLER - EWAQ-E-/F-

> Reliable and efficient scroll chiller with high EER values
> A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced footprint, reduced weight, clearances around the unit
> 1-2 truly independent refrigerant circuits
> Reduced footprint thanks to the V-shaped frame
> Large operation range: ambient temperature up to 52°C and down to -18°C
> Ideal solution for a broad range of comfort and process applications

264

WATER COOLED CHILLER WITH FRICTIONLESS CENTRIUGAL COMPRESSORS - DWME

> In-house developed magnetic bearing compressor
> Very high part load efficiency
> EER up to 6.50, ESEER up to 10.0
> Wide choice of capacities and efficiences
> Ideal for sound sensitive environments such as libraries, schools, etc.
> On-board advanced electronics allow smart control

290

D-AHU ENERGY

> Air flow rates from 1,500 m^3/h up to 70,000 m^3/h
> Low seasonal power consumption
> Premium Eurovent performances
> Infinitely variable sizes

301

ZEAS B UNIFICATION MODEL - LREQ-BY1

> VRV technology for refrigeration
> Unification of medium and low temperature units to standard module (now 7 models in stead of 14)
> Extension of the capacity range from 20 to 40 HP (use dedicated units to allow multi combinations)
> Improved performance
> Application range from -40°C to +10°C (evaporating temperature)
> Increased installation flexibility thanks to limited dimensions

312

INTELLIGENT TOUCH MANAGER - DCM601A51

> Intuitive user interface
> Smart energy management
> Flexible in size (from 64 to 2,560 groups)
> Flexible in integration (from simple A/C control to small BMS)
> Easy servicing and commissioning with remote refrigerant containment check

314

MODBUS INTERFACE - RTD

INTEGRATION OF RA, SKY AIR, VRV, DAIKIN ALTHERMA FLEX AND AHU IN BMS OR HOME AUTOMATION SYSTEMS

> Extention of RTD range to integrate full portfolio into BMS or home automation systems via Modbus
> RTD-RA:
- monitoring and control of residential indoor units
> RTD-20:
- Retail controller with monitoring and control of Sky Air, VRV, VAM/VKM and air curtains
- Integration with PIR and CO_2 sensor
> RTD-W:
- monitoring and control of Daikin Altherma Flex Type, VRV high temperature hydrobox and chillers

European Union's 20-20-20 energy targets

In March 2007, after years of worldwide concern, the European heads of state endorsed "an integrated approach to climate and energy policy that aims to combat climate change and increase the EU's energy security while strengthening its competitiveness. They committed Europe to transforming itself into a highly energy-efficient, low carbon economy." (http://ec.europa.eu) To turn this into a reality, a series of challenging climate and energy objectives were set and became known as the 20-20-20 energy targets, which are to be met by 2020 and these are:

By the year
2020

What this really means

In simple terms, the EU's targets are aimed at reducing the amount of energy consumed, reducing the use of fossil and other natural mineral fuels used in the production of energy, and the reduction of the amount of greenhouse gases (particularly CO_2 and water vapour) produced. And if we are to be successful in doing this, then new regulations, production and performance standards, and energy usage rules will be needed.

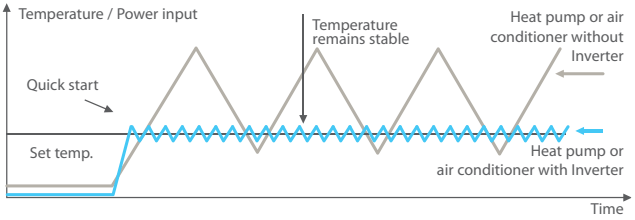
The EU has not been slow in recognizing this need. New directives have been developed and issued on the subject of

- energy labelling of domestic appliances – this must show the true energy usage of equipment across the whole year: for air-conditioning equipment this includes the introduction of a Seasonal Energy Efficiency Rating (SEER and SCOP)
- energy efficiency in buildings to reduce their impact on the environment through improved insulation, improved heating and lighting systems and the increased use of renewable energy sources
- environmental performance of products throughout their life-cycle by the systematic integration of environmental aspects at a very early stage in the product design
- fluorinated greenhouse gases (F-gas) and ozone depleting substances which aim to phase out certain refrigerants and tighten up on the checks needed to ensure that such gases are not being leaked into the atmosphere and contributing to the greenhouse effect.

The Daikin Response

Daikin, always the leader in air conditioning technology, has embraced the challenges of the EU 20-20-20 declaration and Energy Efficiency Directives and has moved positively to take a market leadership position on many issues.

Many years ago, we developed the inverter technology that is now installed in all of our air conditioning units. The inverter system supplies full load power at start up but then monitors the actual heating or cooling demand and steadily reduces the power being used until the correct temperature is reached. It then effectively turns itself off until a change is noted at which point it applies sufficient power to bring the temperature back to the set point. This direct link between temperature control and energy usage means that inverter driven air conditioners are up to 30% more energy efficient. The eco-design requirements are very ambitious and will in the end ban non-inverter technology.

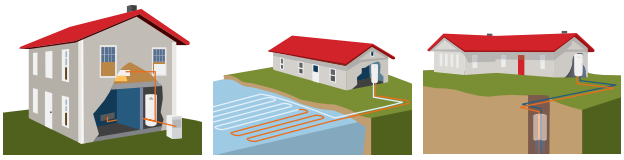


Seasonal efficiency

Over the years we have been concerned about letting our clients know the true seasonal energy efficiency of our products, as the rating system then in place was misleading. Our vision on this has been vindicated and the introduction of seasonal performance will ensure a better understanding of the energy usage of all air conditioning systems. We have been designing and engineering our equipment to achieve market-leading SEERs and SCOPs and thus contributing to a reduction of energy used.

Heat pump technology

In many ways, it is with our advanced heat pump technology and heat recovery systems that we can do most to contribute towards the EU's climate targets. Our use of heat pumps to extract heat from the ambient air (a renewable heat source referred to as aerothermal energy) is very well established and helps reduce the energy usage of whole buildings. In addition, however, heat pumps can be used to extract heat from the ground (geothermal energy) as well as rivers, lakes and ground water (hydrothermal energy). This renewable heat energy is then transferred to the refrigerant system to raise the temperature of the outflow water and thus effectively pre-heat it. This reduces the energy required to provide heating and the transferred heat is often enough to maintain domestic hot water tanks at the correct temperature. This remarkable technology will now be applied to small capacity units as we focus on total climate control in all its forms.


AEROTHERMAL HEAT PUMP HYDROTHERMAL HEAT PUMP GEOTHERMAL HEAT PUMP

State-of-the-art control systems

Our systems are all connected to advanced control systems that give room-by-room settings as well as integrated building control to ensure that the customer can maximise and optimise the use of their Daikin system as a total solution for their building: one that gives perfect climate control, reduced costs and reduced environmental impact.

New refrigerants

The regulation on ozone depleting substances and the fluorinated gas directive provide some special challenges. The phasing out of R-22 refrigerants and the concerns over the environmental impact of other refrigerants has led to pressure being brought to bear for the development of non-fluorinated, low GWP (global warming potential) and natural refrigerant gases. This in turn means that refrigerant systems will have to be re-designed and re-engineered – our engineers are already hard at work developing an alternative product line and trying innovative modifications to our current lines. As always, we are the innovation leaders!

The way forward

All in all, the European Union's climate concerns have added a new urgency to our ongoing innovation and R&D – we are confident of our response and that it will deliver huge benefits to the customers in terms of more controllable solutions giving perfect comfort, reduced operating costs and a much lower ecological impact.

Seasonal efficiency, smart use of energy

Seasonal efficiency is a measure mandated by the European Union to optimise energy consumption. The EU wants to make people aware of what units are consuming and ban non-efficient products from the market. Seasonal efficient units reflect the actual performance you can expect over an entire heating and cooling season. The standard comes into force from January 2013 onwards for products under 12 kW.

Today, Daikin is leading the way towards more efficient and cost-effective comfort solutions. All Daikin products – residential and commercial as well as industrial – are seasonal efficient, they all reduce energy and costs in a smart way.

Find out more on www.daikin.eu

SEASONAL EFFICIENCY
Smart use of energy

DAIKIN

Seasonal efficiency, Smart use of energy

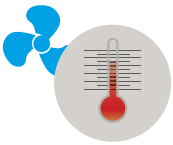
Challenging 20-20-20 environmental targets

The European Commission has set challenging targets for improving energy efficiency in the EU. These so-called 20-20-20 targets aim at a 20% reduction in CO_2 emissions, 20% more renewable energy and a 20% reduction in the use of primary energy, all by the year 2020. To realise these objectives, Europe issued the Eco-Design Directive [2009/125/EC]. This sets minimum efficiency requirements for energy related products. After 2013, all air conditioners and air to air heat pumps under 12 kW come into scope of this Eco-Design Directive. From 2013, products unable to comply with the minimum efficiency requirement (such as non-inverter air conditioners) will lose their CE marking and thus may no longer be sold in Europe. In 2014 the energy-performance bar will again be raised significantly.

Major change: seasonal efficiency in line with real-life performance

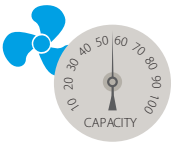
Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. Previous measurements reflected so-called nominal efficiency, a measurement of performance at one fixed outdoor temperature and with equipment running at full power. Since a cooling or heating season involves a range of outdoor temperatures (not just the one nominal temperature in the rating) and equipment is often only running at partial load, this old rating did not properly reflect actual performance.

The new method, seasonal efficiency, measures heating and cooling performance across a range of outdoor temperatures that give a better representation of actual efficiency over an entire heating or cooling season. Moreover, auxiliary modes such as stand-by mode are also taken into account in the new seasonal efficiency ratings. Thus seasonal efficiency gives a much better representation of the real performance of an air conditioner, in real-life conditions, across an entire season.



Temperature

NOMINAL	SEASONAL
1 Temperature condition: 35°C for cooling 7°C for heating Does not often occur in reality	**Several rating temperatures** for cooling and heating, reflecting actual performance over an entire season



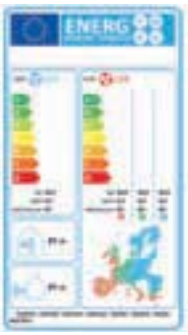
Capacity

NOMINAL	SEASONAL
Does not reflect partial capacity Benefits of inverter technology not visible	Integrates operation at **partial instead of full capacity** **Benefits of inverter technology** are shown

Auxiliary modes

NOMINAL	SEASONAL
Does not take auxiliary power modes into account	Includes consumption auxiliary modes: • Thermostat off • Standby mode • OFF mode • Crankcase heater

Nominal efficiency gives an indication on how efficient an air conditioner is when operating in a nominal condition.
Seasonal efficiency gives an indication on how efficient an air conditioner is when operating over an entire cooling or heating season.



Europe's new energy label: raising the bar on energy efficiency

To inform consumers concerning these new energy performance standards, Europe is also introducing a new energy label. The present European energy label, introduced in 1992, has had its effect. Consumers are able to compare and make purchasing decisions based on uniform labelling criteria. The new label that will come into force on 1 January 2013 will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.

The new energy label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels.

Daikin leading the way to seasonal efficiency

While the challenges of Eco-Design are immense, Daikin has resolutely chosen for early implementation of this new legislation. Already in 2010, Daikin launched a new light commercial range fully optimised for seasonal efficiency. The Seasonal Smart series in this range in fact already complies with the very challenging 2014 minimum requirements. Today Daikin is proud to indicate the seasonal performance of its entire residential and light commercial range up to 12 kW.

European development center

Successes Ostend rewarded

The establishment of the European Development Center (EDC), with headquarters in Ostend and satellites in Czech Republic & Germany has been a significant new step towards further expansion.
The EDC has been given a high degree of autonomy to develop its own innovative designs and solutions specifically for the European market.

Developing the heat pump as a genuine alternative

The EDC will play an important role, among others, in the development of innovative, energy-efficient alternatives for conventional heating solutions. Fossil fuels are scarce and there is a global commitment to reduce CO_2 emissions. With its heat pump, Daikin is equipped with an innovative technology which offers an environment-conscious and energy-efficient alternative for traditional heating solutions.

Investment in technology

Therefore several high-tech testing rooms have been constructed. In one of these rooms, the engineers can simulate all the climatic conditions which may occur in one of the 27 European countries.
Over the years, we have been increasingly responsive to the diverse needs of the European market . This has given us a significant competitive advantage. We see the EDC in line with this. It will enable us to develop products in the same environment where we produce and sell, and this also increasingly in the heating market.

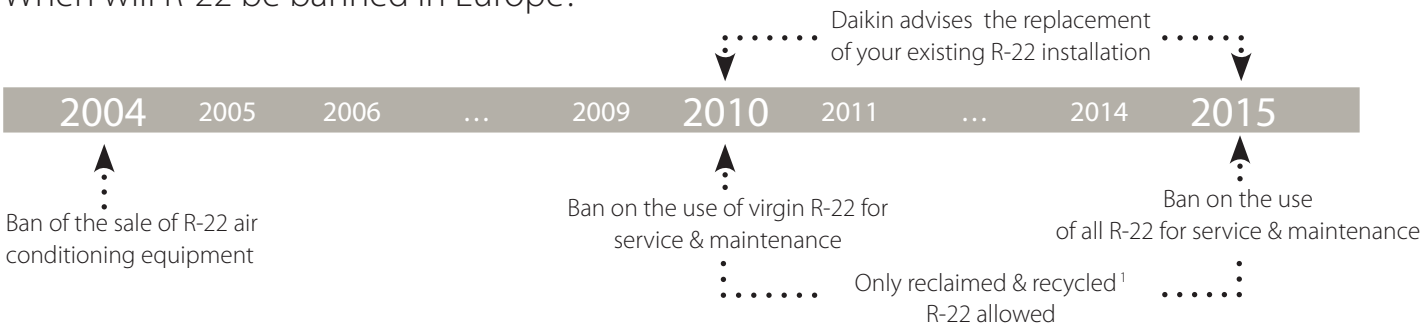
Daikin solutions to R-22 phase out

What is R-22 and why is it to be phased-out in Europe?

R-22 is a hydrochlorofluorocarbon (HCFC) which was commonly used in air conditioning systems. When R-22 is released into the air, the ultraviolet rays of the sun cause it to decompose and chlorine is released into the stratosphere. Chlorine reacts with ozone, reducing the amount of the ozone.

Due to ozone layer depletion, harmful ultraviolet rays reach the surface of the earth giving rise to a number of health and environmental issues. The international community therefore, signed the Montreal Protocol to phase out ozone depletion materials by 2030. The European Union, however, decided to ban R-22 already in 2015.

When will R-22 be banned in Europe?



[1] Recycled: re-use of R-22 following a basic cleaning process. Recycled R-22 must be re-used by the same company that carried out the recovery (can be done by installer)
Reclaimed: reprocessed R-22 in order to meet the equivalent performance of virgin R-22 (by specialized company)

The Daikin solution

to upgrade R-22 and R-407C systems

Due to significant developments in heat pump technology, today's air conditioning systems, running on R-410A refrigerant, offer better performances than R-22 and R-407C systems did in the past. Furthermore, R-22 will be soon unavailable in Europe. Already today, only reclaimed or recycled R-22 can be used for servicing. To upgrade R-22 and R-407C systems as cost effectively as possible, Daikin units can be installed using existing pipe work. Replacement technology is available for residential and commercial applications in the following ranges: Split, Sky Air, VRV

What is the impact on an R-22 installation?

The R-22 phase out regulation will impact on all currently operating R-22 systems, although reliable R-22 equipment does not need to be replaced immediately because maintenance can be carried out with recycled or reclaimed R-22 until 1st January 2015. However, not enough R-22 is currently reclaimed or recycled to cover the demand. As a consequence, supply shortages and price increases are expected. If there is no reclaimed or recycled R-22 available, certain repairs (for example: compressor change) will no longer be possible and considerable air conditioning system downtime can occur.

It is therefore worthwhile to consider a replacement system before 2015, especially for air conditioning systems with a large impact on the daily running of the business.

The Daikin solution

Thanks to Daikin technology, Split, Sky Air and VRV pipe work can be re-used allowing a cost effective upgrade of R-22 and R-407C systems.

Pure air

Because Daikin cares

The streamer technology air purifier, a blend of new technology, improved performance, and ultra quiet operation, it is designed to care for you by unobtrusively providing purified air to produce a healthy home environment. Purified air improves the perception of comfort and, by removing and destroying contaminants and odours, the streamer technology air purifier also plays an essential role for those who suffer from asthma or allergies. These efforts place the streamer technology air purifier among the best residential air purifiers on the market today.

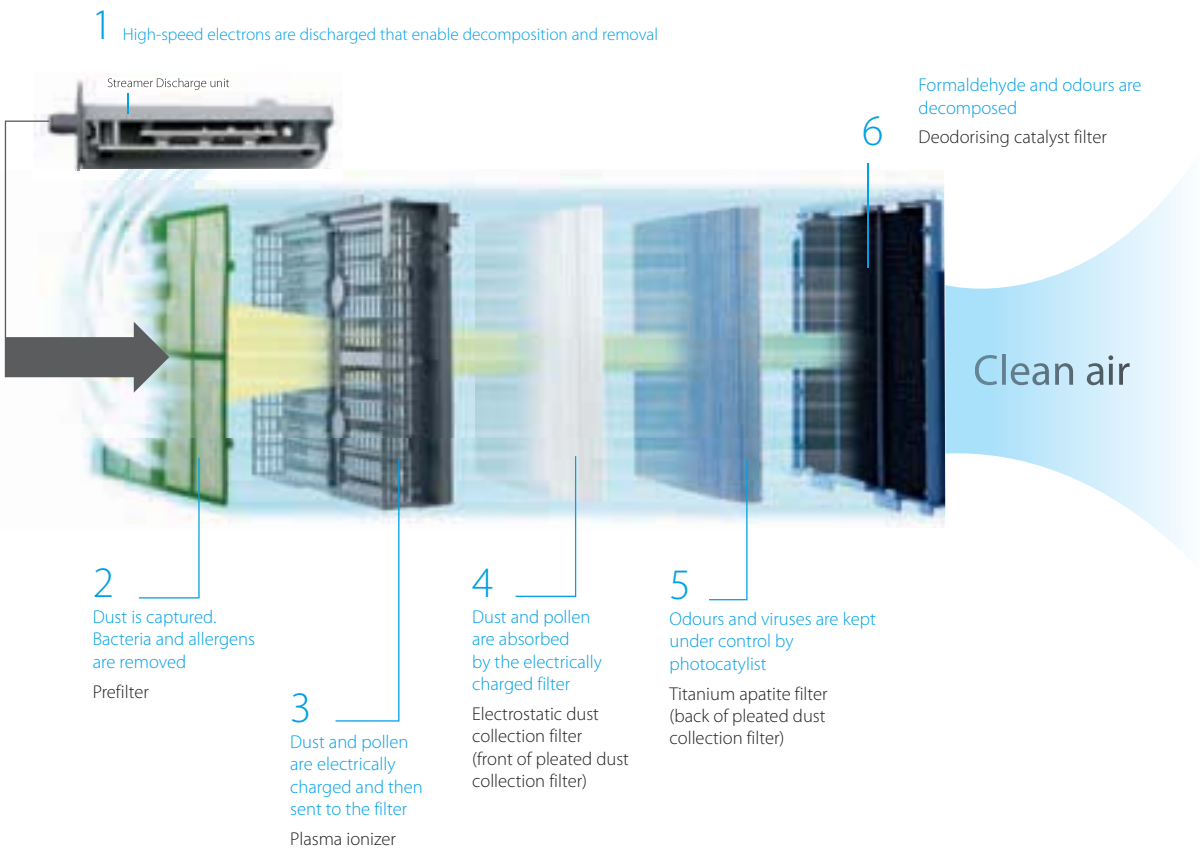
- stylish design
- improved performance
- unprecedented comfort
- super quiet operation
- easy to maintain
- portable
- no installation

Three times purification, a good deed for your health

Pollen, dust and pet hair are just some of the potential causes of allergies, asthma and respiratory problems. A Daikin air purifier cleans the air and relieves you of these troubles thanks to a three-part operation:

- allergen removal
- virus and bacteria removal
- odour removal

Six-layer powerful decomposition and removal configuration



What is the Daikin streamer technology?

"Streamer Discharge" is a type of plasma discharge in which high speed electrons capable of oxidative decomposition are generated. It has the ability to eliminate bacteria and mould as well as hazardous chemical substances and allergens, etc. Compared to standard plasma discharge (glow discharge), the discharge range of Daikin's Streamer Discharge is wider, which makes it easier for electrons to collide with oxygen and nitrogen in the air. This enables high speed electrons to be generated three dimensionally over a wide area, which results in an oxidative decomposition speed that is over 1,000 times greater with the same electrical power. Daikin's Streamer Discharge technology has proven successful in stably generating high speed electrons, a feat that has been considered difficult up to now.

Main specifications

Daikin has already received great praise for its air purifiers: a British Allergy Foundation seal of approval and the TÜV Nord test mark confirm the efficiency of our units.

MC70L

Indoor unit					**MC70L**
Applicable room area				m^2	46
Casing	Colour				White
Dimensions	Unit	HeightxWidthxDepth		mm	576x403x241
Weight	Unit			kg	8.5
Fan	Type				Multi Blade Fan (Sirocco fan with shroud assembly)
	Air flow rate	Air purifying operation	Turbo/H/M/L/Silent	m^3/h	420/285/210/130/55
Sound pressure level	Air purifying operation	Turbo/H/M/L/Silent		dBA	48.0/39.0/32.0/24.0/16.0
Air purifying operation	Power input	Turbo/H/M/L/Silent		kW	0.065/0.026/0.016/0.010/0.007
Deodorizing method					Flash streamer / Titanium apatite photocatalytic filter / Deodorising catalyst
Bacteria filtering method					Flash streamer / Titanium apatite photocatalytic filter
Dust collecting method					Plasma ionizer / Electrostatic dust collection filter
Power supply	Phase/Voltage			V	1~/220-240/220-230

MCK75J

Ururu air purifier

Ururu

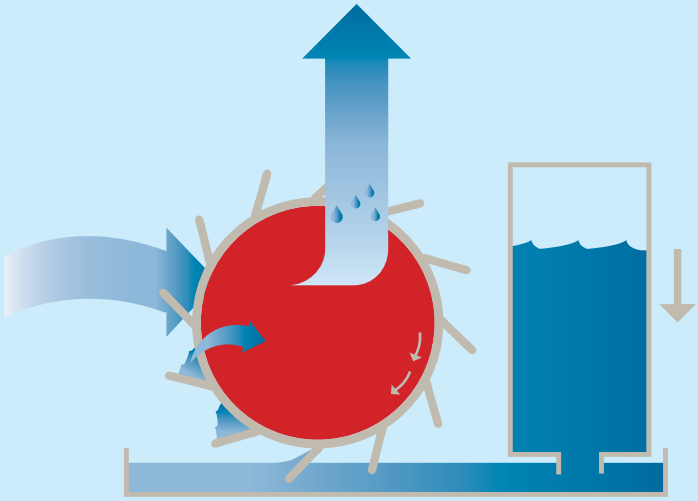
flash streamer
ONLY BY DAIKIN

Daikin has already received great praise for its air purifiers: the Daikin TüV award confirms the efficiency of this unit.

MCK75J

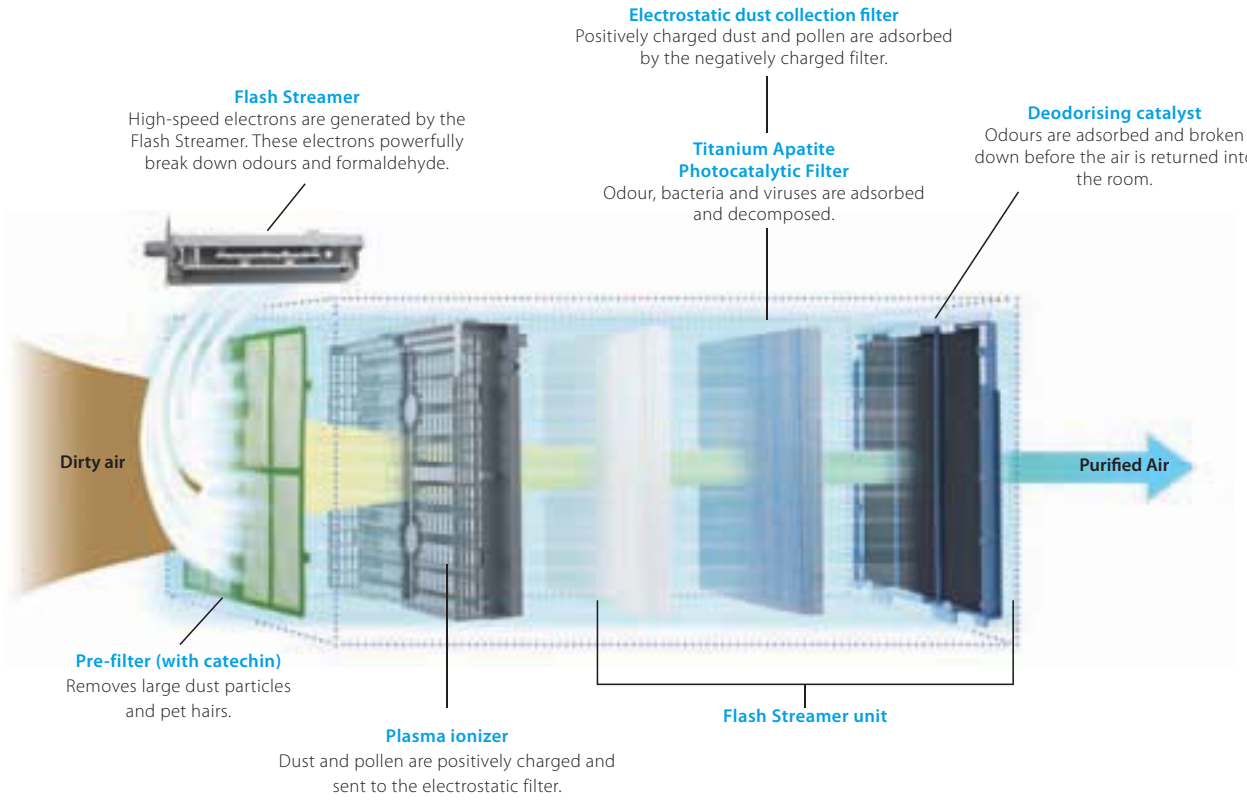
Indoor units					MCK75J
Application					Floor standing type
Applicable room area				m^2	46
Casing	Colour				Black (N1) (Panel colour: silver)
Dimensions	Unit	HeightxWidthxDepth		mm	590/395/268
Weight	Unit			kg	11.0
Fan	Type				Multi Blade Fan (Sirocco fan with shroud assembly)
	Air flow rate	Air purifying operation	Turbo/H/M/L/Silent	m^3/h	450/330/240/150/60
		Humidifying operation	Turbo/H/M/L/Silent	m^3/h	450/330/240/150/120
Sound pressure level	Air purifying operation		Turbo/H/M/L/Silent	dBA	50/43/36/26/17
	Humidifying operation		Turbo/H/M/L/Silent	dBA	50/43/36/26/23
Humidifying operation	Power input		Turbo/H/M/L/Silent	kW	0.084/0.037/0.020/0.013/0.012
	Humidification		Turbo/H/M/L/Silent	ml/h	600/470/370/290/240
	Water tank capacity			l	4.0
Air filter					Polypropylene net with catechin
Air purifying operation		Power input	Turbo/H/M/L/Silent	kW	0.081/0.035/0.018/0.011/0.008
Deodorizing method					Flash streamer Titanium apatite photocatalytic filter Deodorising catalyst
Dust collecting method					Plasma ionizerElectrostatic dust collection filter
Sign					Dust: 3 stages, Odour: 3 stages, Air flow rate: auto/LL/L/M/H, Turbo mode HH, anti-pollen mode Off timer: 1/4/8h Cleaning: ionization/streamer
Power supply	Name / Phase / Frequency / Voltage			Hz / V	VM / 1~ / 50/60 / 220-240/220-230
Type					Humidifying air purifier

MCK75J



How does the humidification function work?

Water in the tank flows into the receiver tray housing the water wheel, which lifts the water as it rotates and releases it onto the filter. Air blown onto the filter, absorbs its moisture and discharges it into the room as humidification.



Daikin Ururu Air Purifier also removes efficiently allergens (e.g. pollen, house dust mites, dust, etc.), bacteria and viruses. Additionally, it has a high deodorizing efficiency; it eliminates efficiently tobacco smoke whilst decomposing other smells. It quickly collects particles and breaks them down rapidly. Its quiet operation makes it ideal for quiet nights. The unit includes seven pleated filters (one for immediate use and 6 spares).

People are becoming more and more aware of the cost of heating. Traditional heating systems and boilers use fossil fuels, making them an expensive and not sustainable option for the environment. Nobody wants to waste their money. Since approximately two thirds of the heat generated by the Daikin heat pump systems, is free of charge, the perfect solution is just around the corner. Moreover, since heat pumps consume less energy than traditional heating systems, they also generate less CO_2 emissions.

Air to water and air to air heat pumps use energy from renewable sources: the ambient air. These energy sources are renewable and inexhaustible. Of course, heat pumps also need energy to function (mostly electricity), but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass)

It is no surprise that people throughout Europe are becoming aware of new heating technology. In less than a decade practically all properly insulated buildings from Italy to Norway will be heated with heat pumps. Millions of heat pumps have already been installed in residential and commercial applications. So… why wait?

95% of our air conditioning equipment can heat and/or cool and thus are heat pumps. The products in this chapter are optimised heating solutions as their primary scope and purpose is heating.

HEATING

Daikin Altherma Overview

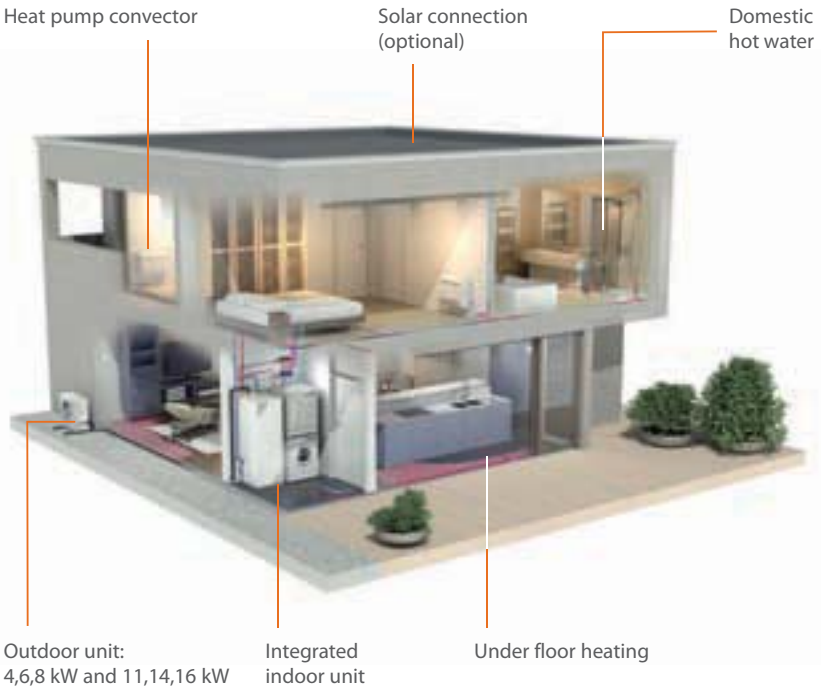
	DAIKIN ALTHERMA LOW TEMPERATURE	
	SPLIT	MONOBLOC
		
HEATING APPLICATION	› New houses › Together with existing boiler (bivalent)	
INSTALLATION OF HEAT PUMP	› 1 indoor unit › 1 outdoor unit	› 1 outdoor unit
CONNECTABLE HEATING EMITTERS	› Under floor heating › Low temperature radiators › Fan coil units › Heat pump convector	
COMBINABLE WITH	› Domestic hot water › Cooling › Solar connection for hot water production	

DAIKIN ALTHERMA HIGH TEMPERATURE	DAIKIN ALTHERMA FLEX TYPE
SPLIT 	
› Renovation: replacement of traditional boilers	› Apartments › Collective housing › Hotels › Fitness › Spa › Schools › Hospitals › Libraries
› 1 indoor unit › 1 outdoor unit	› Several indoor units › 1 or more outdoor units
› High temperature radiators	› Under floor heating › Low temperature radiators › Fan coil units › Heat pump convector
› Domestic hot water › Solar connection for hot water production	› Domestic hot water › Cooling (Heat recovery)

Daikin Altherma offers
two low temperature systems including
a domestic hot water system all of which connect to the same range of accessories.

Split system

Whether it is a newly-built house or an existing low-energy home, the Daikin Altherma low-temperature split permits completely integrated components for total climate control. Will you choose an integrated floor-standing indoor unit to provide heating and domestic hot water, or go for a wall-mounted indoor unit? Does the house use under floor heating, or heat pump convectors? Does the electricity come from the grid, or from a renewable eco-friendly source like solar power? For all of these situations, **the Daikin Altherma low-temperature system is a total solution for your customer.**



4 Benefits
Daikin brand new 4 you!

Best seasonal efficiencies, providing the highest savings on running costs

- excellent COP ratings for incentive and certification schemes
- no need for or only very limited use of electrical assistance
- best efficiencies achieved within the most relevant temperature range

Perfect fit for new builds, as well as for low-energy houses

- custom-made product for very low heat loads
- build to withstand most severe winter conditions
- heating, cooling and domestic hot water in one system

Integrated heating and hot water unit, saving installation space and time

- all components and connections factory-made
- very small installation footprint required
- minimum electrical input with constant availability of hot water

New control panel: easy to use, commission and service

- self-explanatory controller for easy and quick commissioning
- possibility of preparing and uploading field setting via a PC
- feedback on operation conditions and energy consumption

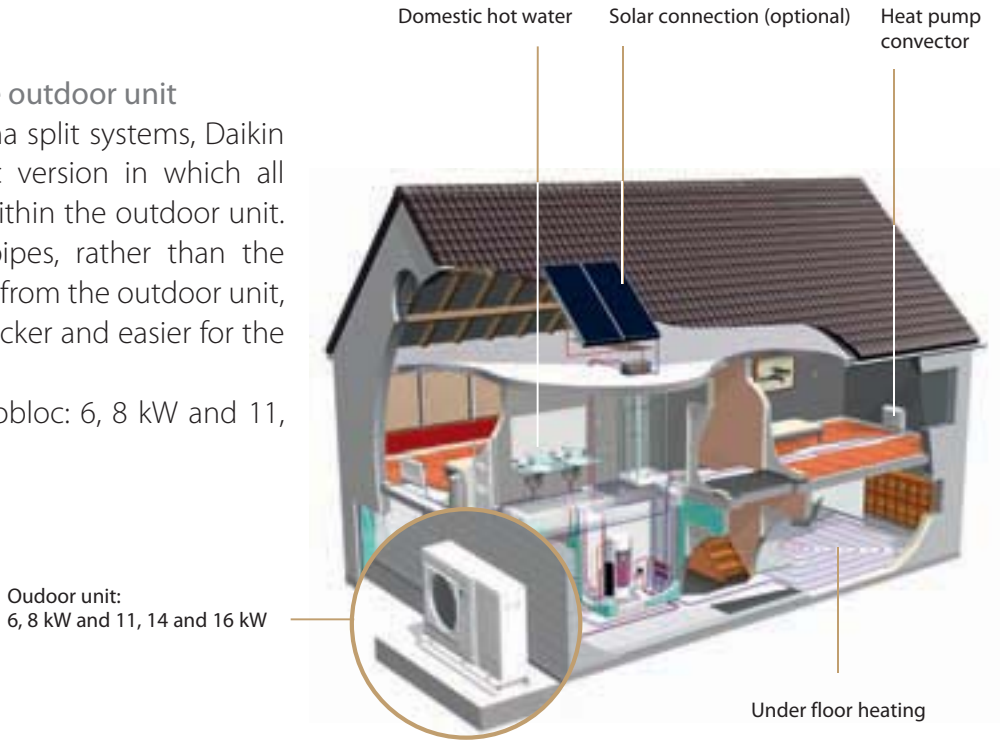
Daikin Altherma low temperature monobloc

Monobloc system

Everything combined in one outdoor unit

In addition to Daikin Altherma split systems, Daikin has introduced a monobloc version in which all hydraulic parts are located within the outdoor unit. In this system, the water pipes, rather than the refrigerant pipes, run indoors from the outdoor unit, making installation much quicker and easier for the domestic installer.

Available capacities for monobloc: 6, 8 kW and 11, 14, 16 kW



Accessories for low temperature applications

Easy control

With the wired or wireless room thermostat*, the ideal temperature can be easily, quickly and conveniently regulated. It allows for more precise measurement , thus allowing your customer to regulate the comfort levels optimally and more energy efficiently.

Under floor heating

As Rotex is part of the Daikin group, all heating supplies can be offered. For more information, contact your local supplier.

Heat pump convector

The heat pump convector is much more than a fan coil unit as it provides both heating and cooling if required and obtains optimal energy efficiency by approximately 25% when connected to a Daikin Altherma low temperature system in combination with under floor heating.

Solar connection

To save even more energy on your domestic hot water production, the Daikin Altherma system can be connected to a solar system. The high-efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating. The collectors can be mounted on the roof tiles.

*EKRTW for wired wall mounted and EKRTR for the wireless type.

EHVH-C / ERLQ-CV3/CW1

Daikin Altherma low temperature split

EHVH-C

ERLQ004-008CV3

ER(L/H)Q011-016CV3/BV3

INVERTER

- **Integrated indoor unit**: all-in-one floor standing heat pump unit including the domestic hot water tank
- Energy efficient **heating only** system based on air to water heat pump technology
- 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
- Inverter controlled swing compressor

Space heating
Domestic hot water

down to -25°C

BE/31/001

Heating only

Indoor unit					EHVH04S18C3V	EHVH08S18C3V	EHVH08S26C9W	EHVH16S18C3V	EHVH16S26C9W
Casing	Colour				White			White	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728			1,732x600x728	
Weight	Unit			kg	115	116	126	120	129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~25	-25~35
		Water side	Min.~Max.	°C	15~55			15~55	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35	
		Water side	Min.~Max.	°C	25~60			25~60	
Sound power level	Nom.			dBA	42			47	
Sound pressure level	Nom.			dBA	28			33	

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1
Heating capacity	Min.		kW	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	-		
	Nom.		kW	4.40[1] / 4.03[2]	6.00[1] / 5.67[2]	7.40[1] / 6.89[2]	11.38	14.55	16.10
	Max.		kW	5.12[1] / 4.90[2]	8.35[1] / 7.95[2]	10.02[1] / 9.35[2]	-		
Power input	Heating	Nom.	kW	0.87[1] / 1.13[2]	1.27[1] / 1.59[2]	1.66[1] / 2.01[2]	2.64	3.43	3.83
COP				5.04[1] / 3.58[2]	4.74[1] / 3.56[2]	4.45[1] / 3.42[2]	4.31	4.24	4.20
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320		
Weight	Unit		kg	54	56		113 /114		
Operation range	Heating	Min.~Max.	°CWB	-25~25			-25~35		
	Domestic hot water	Min.~Max.	°CDB	-25~35			-20~35		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	1.45	1.60		3.4		
Sound power level	Heating	Nom.	dBA	61		62	64		66
Sound pressure level	Heating	Nom.	dBA	48		49	51		52
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			V3/1~/50/230 // W1/3N~/50/400		
Current	Recommended fuses		A	20			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 18--7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

EHVH-C / ERHQ-BV3/BW1

down to -20°C

Heating only

Indoor unit					EHVH16S18C3V	EHVH16S26C9W	EHVH16S18C3V	EHVH16S26C9W
Casing	Colour				White		White	
	Material				Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728		1,732x600x728	
Weight	Unit			kg	120	129	120	129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35		-25~35	
		Water side	Min.~Max.	°C	15~55		15~55	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35		-20~35	
		Water side	Min.~Max.	°C	25~60		25~60	
Sound power level	Nom.			dBA	47		47	
Sound pressure level	Nom.			dBA	33		33	

Outdoor unit					ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.			kW	11.2	14.0	16.0	11.32	14.50	16.05
Power input	Heating	Nom.		kW	2.55	3.26	3.92	2.63	3.42	3.82
COP					4.39	4.29	4.08	4.30	4.24	4.20
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	103			108		
Operation range	Heating	Min.~Max.		°CWB	-20~35			-20~35		
	Domestic hot water	Min.~Max.		°CDB	-20~43			-20~43		
Refrigerant	Type				R-410A			R-410A		
	Charge			kg	3.7			2.95		
Sound power level	Heating	Nom.		dBA	-			64		66
Sound pressure level	Heating	Nom.		dBA	49	51	53	51		52
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

EHVX-C / ERLQ-CV3/CW1

Daikin Altherma low temperature split

EHVX-C

ERLQ004-008CV3

ER(L/H)Q011-016CV3/BV3

INVERTER

- **Integrated indoor unit**: all-in-one floor standing heat pump unit including the domestic hot water tank
- Energy efficient **heating and cooling** system based on air to water heat pump technology
- 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
- Inverter controlled swing compressor

Space heating and cooling
Domestic hot water

down to -25°C

BE/31/001

Heating & Cooling

Indoor unit					EHVX04S18C3V	EHVX08S18C3V	EHVX08S26C9W	EHVX16S18C3V	EHVX16S26C9W
Casing	Colour				White			White	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728			1,732x600x728	
Weight	Unit			kg	115	117	126	121	129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~25	
		Water side	Min.~Max.	°C	15~55			15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~43			10~46	
		Water side	Min.~Max.	°C	5~22			5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35	
		Water side	Min.~Max.	°C	25~60			25~60	
Sound power level	Nom.			dBA	42			47	
Sound pressure level	Nom.			dBA	28			33	

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1
Heating capacity	Min.		kW	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	-		
	Nom.		kW	4.40[1] / 4.03[2]	6.00[1] / 5.67[2]	7.40[1] / 6.89[2]	11.38	14.55	16.10
	Max.		kW	5.12[1] / 4.90[2]	8.35[1] / 7.95[2]	10.02[1] / 9.53[2]	-		
Cooling capacity	Min.		kW	2.00[1] / 2.00[2]	2.50[1] / 2.50[2]	2.50[1] / 2.50[2]	-		
	Nom.		kW	5.00[1] / 4.17[2]	6.76[1] / 4.84[2]	6.86[1] / 5.36[2]	11.72	12.55	13.12
Power input	Heating	Nom.	kW	0.87[1] / 1.13[2]	1.27[1] / 1.59[2]	1.66[1] / 2.01[2]	2.64	3.43	3.83
	Cooling	Nom.	kW	1.48[1] / 1.80[2]	1.96[1] / 2.07[2]	2.01[1] / 2.34[2]	4.31	5.09	5.74
COP				5.04[1] / 3.58[2]	4.74[1] / 3.56[2]	4.45[1] / 3.42[2]	4.31	4.24	4.20
EER				3.37[1] / 2.32[2]	3.45[1] / 2.34[2]	3.42[1] / 2.29[2]	2.72	2.47	2.29
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320		
Weight	Unit		kg	54	56		113/114		
Operation range	Heating	Min.~Max.	°CWB	-25~25			-25~35		
	Cooling	Min.~Max.	°CDB	10~43			10~46		
	Domestic hot water	Min.~Max.	°CDB	-25~35			-20~35		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	1.45	1.60		3.4		
Sound power level	Heating	Nom.	dBA	61		62	64		66
	Cooling	Nom.	dBA	63			64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49	51		52
	Cooling	Nom.	dBA	48	49	50	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			V3/1~/50/230 // W1/3N~/50/400		
Current	Recommended fuses		A	20			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)

EHVX-C / ERHQ-BV3/BW1

down to -20°C

Heating & Cooling

Indoor unit					EHVX16S18C3V	EHVX16S26C9W	EHVX16S18C3V	EHVX16S26C9W
Casing	Colour				White		White	
	Material				Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728		1,732x600x728	
Weight	Unit			kg	121	129	121	129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35		-25~35	
		Water side	Min.~Max.	°C	15~55		15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~46		10~46	
		Water side	Min.~Max.	°C	5~22		5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35		-20~35	
		Water side	Min.~Max.	°C	25~60		25~60	
Sound power level	Nom.			dBA	47		47	
Sound pressure level	Nom.			dBA	33		33	

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.		kW	11.2	14.0	16.0	11.32	14.50	16.05
Cooling capacity	Nom.		kW	10.0	12.5	13.1	11.72	12.55	13.12
Power input	Heating	Nom.	kW	2.55	3.26	3.92	2.63	3.42	3.82
	Cooling	Nom.	kW	3.69	5.38	6.04	4.31	5.09	5.74
COP				4.39	4.29	4.08	4.30	4.24	4.20
EER				2.71	2.32	2.17	2.72	2.47	2.29
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	103			108		
Operation range	Heating	Min.~Max.	°CWB	-20~35			-20~35		
	Cooling	Min.~Max.	°CDB	-			10~46		
	Domestic hot water	Min.~Max.	°CDB	-20~43			-20~43		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	3.7			2.95		
Sound power level	Heating	Nom.	dBA	-			64		66
	Cooling	Nom.	dBA	-			64	66	69
Sound pressure level	Heating	Nom.	dBA	49	51	53	51		52
	Cooling	Nom.	dBA	-			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		

EHBH-C / ERLQ-CV3/CW1

Daikin Altherma low temperature split

EHBH-C

ERLQ004-008CV3

ER(L/H)Q011-016CV3/BV3

INVERTER

- **Wall mounted** indoor unit
- Energy efficient **heating only** system based on Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- air to water heat pump technology
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Inverter controlled swing compressor
- Possible to combine with domestic hot water (see combination table p54)

Space heating
Optional domestic hot water

down to -25°C

BE/31/001

Heating only

Indoor unit					EHBH04C3V	EHBH08C3V	EHBH08C9W	EHBH16C3V	EHBH16C9W
Casing	Colour				White			White	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344			890x480x344	
Weight	Unit			kg	44	46	48	45	48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~35	
		Water side	Min.~Max.	°C	15~55			15~55	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35	
		Water side	Min.~Max.	°C	25~80			25~80	
Sound power level	Nom.			dBA	40			47	
Sound pressure level	Nom.			dBA	26			33	

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1
Heating capacity	Min.		kW	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]		-	
	Nom.		kW	4.40[1] / 4.03[2]	6.00[1] / 5.67[2]	7.40[1] / 6.89[2]	11.38	14.55	16.10
	Max.		kW	5.12[1] / 4.90[2]	8.35[1] / 7.95[2]	10.02[1] / 9.35[2]		-	
Power input	Heating	Nom.	kW	0.87[1] / 1.13[2]	1.27[1] / 1.59[2]	1.66[1] / 2.01[2]	2.64	3.43	3.83
COP				5.04[1] / 3.58[2]	4.74[1] / 3.56[2]	4.45[1] / 3.42[2]	4.31	4.24	4.20
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320		
Weight	Unit		kg	54	56		113 / 114		
Operation range	Heating	Min.~Max.	°CWB	-25~25			-25~35		
	Domestic hot water	Min.~Max.	°CDB	-25~35			-20~35		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	1.45	1.60		3.4		
Sound power level	Heating	Nom.	dBA	61		62	64		66
Sound pressure level	Heating	Nom.	dBA	48		49	51		52
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			V3/1~/50/230// W1/3N~/50/400		
Current	Recommended fuses		A	20			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 18--7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

EHBH-C / ERHQ-BV3/BW1

down to -20°C

Heating only

Indoor unit					EHBH16C3V	EHBH16C9W	EHBH16C3V	EHBH16C9W
Casing	Colour				White		White	
	Material				Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344		890x480x344	
Weight	Unit			kg	45	48	45	48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35		-25~35	
		Water side	Min.~Max.	°C	15~55		15~55	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35		-20~35	
		Water side	Min.~Max.	°C	25~80		25~80	
Sound power level	Nom.			dBA	47		47	
Sound pressure level	Nom.			dBA	33		33	

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.		kW	11.2	14.0	16.0	11.32	14.50	16.05
Power input	Heating	Nom.	kW	2.55	3.26	3.92	2.63	3.42	3.82
COP				4.39	4.29	4.08	4.30	4.24	4.20
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	103			108		
Operation range	Heating	Min.~Max.	°CWB	-20~35			-20~35		
	Domestic hot water	Min.~Max.	°CDB	-20~43			-20~43		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	3.7			2.95		
Sound power level	Heating	Nom.	dBA	-			64		66
Sound pressure level	Heating	Nom.	dBA	49	51	53	51		52
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses		A	32			20		

EHBX-C / ERLQ-CV3/CW1

Daikin Altherma low temperature split

EHBX-C

ERLQ004-008CV3

ER(L/H)Q011-016CV3/BV3

INVERTER

- **Wall mounted** indoor unit
- Energy efficient **heating and cooling** system based Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs on air to water heat pump technology
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Inverter controlled swing compressor
- Possible to combine with domestic hot water (see combination table p54)

Space heating and cooling

Optional domestic hot water

down to -25°C

BE/31/001

Heating & Cooling

Indoor unit					EHBX04C3V	EHBX08C3V	EHBX08C9W	EHBX16C3V	EHBX16C9W
Casing	Colour				White			White	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344			890x480x344	
Weight	Unit			kg	44	46	48	45	48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~35	
		Water side	Min.~Max.	°C	15~55			15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~43			10~46	
		Water side	Min.~Max.	°C	5~22			5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35	
		Water side	Min.~Max.	°C	25~80			25~80	
Sound power level	Nom.			dBA	40			47	
Sound pressure level	Nom.			dBA	26			33	

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1
Heating capacity	Min.		kW	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	1.80[1] / 1.80[2]	-		
	Nom.		kW	4.40[1] / 4.03[2]	6.00[1] / 5.67[2]	7.40[1] / 6.89[2]	11.38	14.55	16.10
	Max.		kW	5.12[1] / 4.90[2]	8.35[1] / 7.95[2]	10.02[1] / 9.53[2]	-		
Cooling capacity	Min.		kW	2.00[1] / 2.00[2]	2.50[1] / 2.50[2]	2.50[1] / 2.50[2]	-		
	Nom.		kW	5.00[1] / 4.17[2]	6.76[1] / 4.84[2]	6.86[1] / 5.3[2]	11.72	12.55	13.12
Power input	Heating	Nom.	kW	0.87[1] / 1.13[2]	1.27[1] / 1.59[2]	1.66[1] / 2.01[2]	2.64	3.43	3.83
	Cooling	Nom.	kW	1.48[1] / 1.80[2]	1.96[1] / 2.07[2]	2.01[1] / 2.34[2]	4.31	5.09	5.74
COP				5.04[1] / 3.58[2]	4.74[1] / 3.56[2]	4.45[1] / 3.42[2]	4.31	4.24	4.20
EER				3.37[1] / 2.32[2]	3.45[1] / 2.34[2]	3.42[1] / 2.29[2]	2.72	2.47	2.29
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320		
Weight	Unit		kg	54	56		113 / 114		
Operation range	Heating	Min.~Max.	°CWB	-25~25			-25~35		
	Cooling	Min.~Max.	°CDB	10~43			10~46		
	Domestic hot water	Min.~Max.	°CDB	-25~35			-20~35		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	1.45	1.60		3.4		
Sound power level	Heating	Nom.	dBA	61		62	64		66
	Cooling	Nom.	dBA	63			64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49	51		52
	Cooling	Nom.	dBA	48	49	50	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			V3/1~/50/230 // W1/3N~/50/400		
Current	Recommended fuses		A	20			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)

EHBX-C / ERHQ-BV3/BW1

down to -20°C

Heating & Cooling

Indoor unit					EHBX16C3V	EHBX16C9W	EHBX16C3V	EHBX16C9W
Casing	Colour				White		White	
	Material				Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344		890x480x344	
Weight	Unit			kg	45	48	45	48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35		-25~35	
		Water side	Min.~Max.	°C	15~55		15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~46		10~46	
		Water side	Min.~Max.	°C	5~22		5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35		-20~35	
		Water side	Min.~Max.	°C	25~80		25~80	
Sound power level	Nom.			dBA	47		47	
Sound pressure level	Nom.			dBA	33		33	

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.		kW	11.2	14.0	16.0	11.32	14.50	16.05
Cooling capacity	Nom.		kW	10.0	12.5	13.1	11.72	12.55	13.12
Power input	Heating	Nom.	kW	2.55	3.26	3.92	2.63	3.42	3.82
	Cooling	Nom.	kW	3.69	5.38	6.04	4.31	5.09	5.74
COP				4.39	4.29	4.08	4.30	4.24	4.20
EER				2.71	2.32	2.17	2.72	2.47	2.29
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	103			108		
Operation range	Heating	Min.~Max.	°CWB	-20~35			-20~35		
	Cooling	Min.~Max.	°CDB	-			10~46		
	Domestic hot water	Min.~Max.	°CDB	-20~43			-20~43		
Refrigerant	Type			R-410A			R-410A		
	Charge		kg	3.7			2.95		
Sound power level	Heating	Nom.	dBA	-			64		66
	Cooling	Nom.	dBA	-			64	66	69
Sound pressure level	Heating	Nom.	dBA	49	51	53	51		52
	Cooling	Nom.	dBA	-			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		

EBHQ-BBV3
EKCBH(X)-BB

Daikin Altherma low temperature monobloc

EBHQ-BV3

EKCBH(X)-BBV3

EB(L/H)Q-BB

INVERTER

- **Single phase reversible monobloc**
- Energy efficient **heating and cooling** system based on air to water heat pump technology
- H_2O piping between outdoor unit and indoor heat emitters
- Low energy bills and low CO_2 emissions
- Eco-label certified
- Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- Inverter controlled swing compressor
- Possible to combine with domestic hot water (see combination table p54)
- For latest information, see page 349

Space heating and cooling
Optional domestic hot water

Heating & Cooling

Control box					*EKCBH008BBV3	*EKCBX008BBV3
Dimensions	Unit	Height		mm	390	
		Width		mm	412	
		Depth		mm	100	
		Depth with remocon mounted on front plate		mm	120	
Weight	Unit			kg	6	
	Indoor installation	Ambient	Min.	°CDB	4	
			Max.	°CDB	35	

Outdoor unit					*EBHQ006BBV3	*EBHQ008BBV3
Heating capacity	Nom.			kW	6.00 (1) / 5.58 (2)	8.85 (1) / 8.15 (2)
Cooling capacity	Nom.			kW	7.00 (1) / 5.12 (2)	8.37 (1) / 6.08 (2)
Power input	Cooling	Nom.		kW	2.20 (1) / 2.16 (2)	2.97 (1) / 2.75 (2)
	Heating	Nom.		kW	1.41 (1) / 1.79 (2)	2.21 (1) / 2.72 (2)
COP					4.26 (1) / 3.11 (2)	4.00 (1) / 3.00 (2)
EER					3.18 (1) / 2.37 (2)	2.82 (1) / 2.21 (2)
Dimensions	Unit	Height		mm	805	
		Width		mm	1,190	
		Depth		mm	360	
Weight	Unit			kg	95	
Operation range	Heating	Ambient	Min.~Max.	°CWB	-15~25	
		Water side	Min.~Max.	°C	15~50	
	Cooling	Ambient	Min.~Max.	°CDB	10~43	
		Water side	Min.~Max.	°C	5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~35	
		Water side	Min.~Max.	°C	25~80	
Refrigerant	Type				R-410A	
	Charge			kg	1.7	
Sound power level	Heating	Nom.		dBA	61	62
	Cooling	Nom.		dBA	63	
Sound pressure level	Heating	Nom.		dBA	48	49
	Cooling	Nom.		dBA	48	50
Compressor component	Main power supply	Name/Phase/Frequency/Voltage			V3/1~/50/230	

(1) EN14511: 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) EN14511: cooling Ta 35°C - LWE 7°C (Dt = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt = 5°C)

*Note: grey cells contain preliminary data

- **Single and three phase reversible monobloc**
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Energy efficient **heating and cooling** system based on air to water heat pump technology
- Low energy bills and low CO_2 emissions
- Eco-label certified
- H_2O piping between outdoor unit and indoor heat emitters
- Inverter controlled scroll compressor
- Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- Possible to combine with domestic hot water (see combination table p54)

BE/31/001

Space heating and cooling
Optional domestic hot water

Heating & Cooling

Outdoor unit without bottom plate heater Outdoor unit with bottom plate heater					EBHQ011BB6V3 EBLQ011BB6V3	EBHQ014BB6V3 EBLQ014BB6V3	EBHQ016BB6V3 EBLQ016BB6V3	EBHQ011BB6W1 EBLQ011BB6W1	EBHQ014BB6W1 EBLQ014BB6W1	EBHQ016BB6W1 EBLQ016BB6W1
Heating capacity	Nom.			kW	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)
Cooling capacity	Nom.			kW	12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)	12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)
Power input	Cooling	Nom.		kW	3.87 (1) / 3.69 (2)	5.75 (1) / 5.39 (2)	6.36 (1) / 5.93 (2)	3.87 (1) / 3.69 (2)	5.40 (1) / 5.06 (2)	6.15 (1) / 5.75 (2)
	Heating	Nom.		kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)
COP					4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)
EER					3.32 (1) / 2.71 (2)	2.78 (1) / 2.32 (2)	2.63 (1) / 2.21 (2)	3.32 (1) / 2.71 (2)	2.96 (1) / 2.47 (2)	2.72 (1) / 2.28 (2)
Dimensions	Unit	Height		mm	1,418			1,418		
		Width		mm	1,435			1,435		
		Depth		mm	382			382		
Weight	Unit			kg	180			180		
Hydraulic component	Back-up heater current	Type			6V3			6W1		
		Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230			3~/50/400		
Operation range	Heating	Ambient	Min.~Max.	°CWB	-15~35 (EBHQ) / -20~35 (EBLQ)			-15~35 (EBHQ) / -25~35 (EBLQ)		
		Water side	Min.~Max.	°C	15 (6)~55 (6)			15 (6)~55 (6)		
	Cooling	Ambient	Min.~Max.	°CDB	10~46			10~46		
		Water side	Min.~Max.	°C	5~22			5~22		
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~43 (EBHQ) / -20~43 (EBLQ)			-15~43 (EBHQ) / -25~43 (EBLQ)		
		Water side	Min.~Max.	°C	25~80			25~80		
Refrigerant	Type				R-410A					
	Charge			kg	2.95			2.95		
Sound power level	Heating	Nom.		dBA	64	65	66	64	65	66
	Cooling	Nom.		dBA	65	66	69	65	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	49	51	53
	Cooling	Nom.		dBA	50	52	54	50	52	54
Compressor component	Main power supply	Name/Phase/Frequency/Voltage			V3/1~/50/230			W1/3N~/50/400		

(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) (6) 15°C-25°C: BUH only, no heat pump operation = during commisioning

ED(L/H)Q-BB6V3/W1

Daikin Altherma low temperature monobloc

ED(L/H)Q-BB

- **Single and three phase heating only monobloc**
- 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
- Low energy bills and low CO_2 emissions
- Eco-label certified
- H_2O piping between outdoor unit and indoor heat emitters
- Inverter controlled scroll compressor
- Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- Possible to combine with domestic hot water (see combination table p54)

Space heating
Optional domestic hot water

BE/31/001

Heating only

Outdoor unit without bottom plate heater Outdoor unit with bottom plate heater					EDHQ011BB6V3 EDLQ011BB6V3	EDHQ014BB6V3 EDLQ014BB6V3	EDHQ016BB6V3 EDLQ016BB6V3	EDHQ011BB6W1 EDLQ011BB6W1	EDHQ014BB6W1 EDLQ014BB6W1	EDHQ016BB6W1 EDLQ016BB6W1
Heating capacity	Nom.			kW	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)
Power input	Heating	Nom.		kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)
COP					4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)
Dimensions	Unit	Height		mm	1,418			1,418		
		Width		mm	1,435			1,435		
		Depth		mm	382			382		
Weight	Unit			kg	180			180		
Hydraulic component	Back-up heater current	Type			6V3			6W1		
		Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230			3~/50/400		
Operation range	Heating	Ambient	Min.~Max.	°CWB	-15~35 (EDHQ) / -20~35 (EDLQ)			-15~35 (EDHQ) / -25~35 (EDLQ)		
		Water side	Min.~Max.	°C	15 (5)~55 (5)			15 (5)~55 (5)		
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~43 (EDHQ) / -20~43 (EDLQ)			-15~43 (EDHQ) / -25~43 (EDLQ)		
		Water side	Min.~Max.	°C	25~80			25~80		
Refrigerant	Type				R-410A					
	Charge			kg	2.95			2.95		
Sound power level	Heating	Nom.		dBA	64	65	66	64	65	66
Sound pressure level	Heating	Nom.		dBA	51		52	49	51	53
Compressor component	Main power supply	Name/Phase/Frequency/Voltage			V3/1~/50/230			W1/3N~/50/400		

(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) (5) 15°C-25°C: BUH only, no heat pump operation = during commisioning

Domestic hot water tanks - Survey

Whether your customer wants domestic hot water only or the advantage of solar energy, Daikin offers you the domestic hot water tank that meets his or her requirements.

		Domestic hot water tank		
		EKHWP-B	EKHWS-B	EKHWE-A
INDOOR UNIT		300-500	150-200-300	150-200-300
Wall mounted	EHBH-C	hot water + solar (opt.)	hot water + solar (opt.)	
	EHBX-C			
MONOBLOC		300-500	150-200-300	150-200-300
With bottom plate heater	EDLQ-BB6V3 / EDLQ-BB6W1		hot water + solar (opt.)	
	EBLQ-BB6V3 / EBLQ-BB6V3			
Without bottom plate heater	EDHQ-BB6V3 / EDHQ-BB6W1			
	EBHQ-B6V3 / EBHQ-BB6V3			
	EBHQ-BBV3			

EKHWP-B

Domestic hot water tank

EKHWP-B

- Domestic hot water at any time thanks to large hot water storage
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Better performance with unpressurised solar system both for low temperature and high temperature solutions
- For latest information, see page 349

Domestic hot water tank				***EKHWP300B**	***EKHWP500B**
Casing	Colour			Dust grey (RAL7037)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	1,590x595x615	1,590x790x790
Weight	Unit	Empty	kg	59	92
Tank	Water volume		l	300	500
	Maximum water temperature		°C	85	
Heat exchanger	Domestic hot water	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	5.7	5.9
		Internal coil volume	l	27.8	28.4
		Operating pressure	bar	6	
		Average specific thermal output	W/K	2,795	2,860
	Charging	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	2.5	3.7
		Internal coil volume	l	12.3	17.4
		Average specific thermal output	W/K	1,235	1,809
	Auxiliary solar heating	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	-	1.0
		Internal coil volume	l	-	5
		Average specific thermal output	W/K	-	313

*Note: grey cells contain preliminary data

EKHWS-B

Domestic hot water tank

EKHWS-B

- Stainless steel domestic hot water tank
- Available in 150 200 and 300 liters

Domestic hot water tank				EKHWS150B3V3	EKHWS200B3V3	EKHWS300B3V3	EKHWS200B3Z2	EKHWS300B3Z2
Casing	Colour			Neutral white			Neutral white	
	Material			Epoxy-coated mild steel			Epoxy-coated mild steel	
Dimensions	Unit	HeightxWidthxDepth	mm	900x580x580	1,150x580x580	1,650x580x580	1,150x580x580	1,650x580x580
Weight	Unit	Empty	kg	37	45	59	45	59
Tank	Water volume		l	150	200	300	200	300
	Material			Stainless steel (DIN 1.4521)			Stainless steel (DIN	
	Maximum water temperature		°C	85			85	
	Insulation	Heat loss	kw/24h	2.39	2.42	2.83	2.42	2.83
Heat exchanger	Quantity			1			1	
	Tube material			Duplex steel LDX 2101			Duplex steel LDX 2101	
Booster heater	Capacity		kW	3			3	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230			2~/50/400	

EKHWE-A

Domestic hot water tank

EKHWE200A

- Enameled domestic hot water tank
- Available in 150 200 and 300 liters

Domestic hot water tank				EKHWE150A3V3	EKHWE200A3V3	EKHWE300A3V3	EKHWE200A3Z2	EKHWE300A3Z2
Casing	Colour			RAL9010				
	Material			Epoxy coated steel				
Dimensions	Unit	HeightxDiameter	mm	1,205x545	1,580x545	1,572x660	1,580x545	1,572x660
Weight	Unit	Empty	kg	80	104	140	104	140
Tank	Water volume		l	150	200	300	200	300
	Maximum water temperature		°C	75				
	Insulation	Heat loss	kw/24h	1.7	1.9	2.5	1.9	2.5
Booster heater	Capacity		kW	3.0				
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230			2~/50/400	

EKRTR / EKRTW

Wireless and wired room thermostat

EKRTR EKRTW

- Easy and convenient regulation of the indoor temperature, resulting in ideal comfort and energy efficiency
- Heating and cooling mode, with possibility to disable cooling mode if not required
- Comfort function mode activates the programmed temperature levels intended for a home occupied during the day; default setpoints are 21°C in heating mode and 24°C in cooling mode and can be changed by the user
- Reduced function mode activates the programmed temperature levels for periods when the house is unoccupied or at night; default setpoints are 17°C in heating, 28°C in cooling mode and can be changed by the user
- Scheduled function mode: uses a timer to schedule heating and cooling setpoints throughout the day; up to 12 setpoints can be programmed per day; the selected setpoints will be automatically activated at the scheduled time
- Holiday function mode: intended for setting reduced and fuel-efficient setpoints when the house is unoccupied for long periods. The default setpoints are 14°C for heating and 30°C for cooling.
- Off function: switches the system off; however, the integrated frost protection remains activated (set by default at 4°C).
- Setpoint limitation sets the upper and lower setpoint limits within which the user can programme the desired comfort levels and can only be modified by the installer
- Number of setpoint changes: 12/day
- Key lock function: possible to lock the keys of the room thermostat

Wired room thermostat				**EKRTWA**
Dimensions	Unit	HeightxWidthxDepth	mm	87x125x34
Weight	Unit		g	215
Ambient temperature	Storage	Min./Max.	°C	-20/60
	Operation	Min./Max.	°C	0/50
Temperature setting range	Heating	Min./Max.	°C	4/37
	Cooling	Min./Max.	°C	4/37
Clock				Yes
Regulation function				Proportional band
Power supply	Voltage		V	Battery powered 3* AA-LR6 (alkaline)
Connection	Type			Wired

Wireless room thermostat				**EKRTR1**
Dimensions	Thermostat	Height/Width/Depth	mm	87/125/34
	Receiver	Height/Width/Depth	mm	170/50/28
Weight	Thermostat		g	210
	Receiver		g	125
Ambient temperature	Storage	Min./Max.	°C	-20/60
	Operation	Min./Max.	°C	0/50
Temperature setting range	Heating	Min./Max.	°C	4/37
	Cooling	Min./Max.	°C	4/37
Clock				Yes
Regulation function				Proportional band
Power supply	Thermostat	Voltage	V	Battery powered 3x AA-LRG (alkaline)
	Receiver	Voltage	V	230
	Frequency		Hz	50
	Phase			1~
Connection	Thermostat			Wireless
	Receiver			Wired
Maximum distance to receiver	Indoor		m	approx.30m
	Outdoor		m	approx.100m

EKSOLHW

Solar connection

EKSOLHW

› Transfers solar heat to the domestic hot water tank
› Save energy and reduce CO_2 emissions with a solar system for domestic hot water production

Solar kit				**EKSOLHW**
Dimensions	Unit	HeightxWidthxDepth	mm	770x305x270
Weight	Unit		kg	8
Operation range	Ambient temperature	Min.~Max.	°C	1~35
Sound pressure level	Nom.		dBA	27
Thermal performance	Zero loss collector efficiency η0		%	-
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240
Power supply intake				Indoor unit

EKSR3P

Wired remote control for pump station EKSRDS1A

› Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
› Wired remote control for pump station EKSRDS1A, connectable to pressurised solar system
› Pump station and control provide the transfer of solar heat to the domestic hot water tank

Wired remote control				**EKSR3PA**
Mounting				On wall
Dimensions	Unit	HeightxWidthxDepth	mm	332x230x145
Control	Type			Digital temperature difference controller with plain text display
	Power consumption		W	2
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	Voltage		V	230

EKS(H/V)-P

EKSH-P

EKSV-P

- Solar panels 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

Solar collector				**EKSH26P**	**EKSV26P**
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,300x85
Weight	Unit		kg	43	
Volume			l	2.1	1.7
Surface	Outer		m^2	2.601	
	Aperture		m^2	2.364	
	Absorber		m^2	2.354	
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	200	
Thermal performance	Zero loss collector efficiency η0		%	78.7	
	Heat loss coefficient a1		$W/m^2.K$	4.270	
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.0070	
	Thermal capacity		kJ/K	6.5	
	Incident angle modifier	AM at 50°		0.94	
Installed position				Vertical	Horizontal

FWXV-A

Heat pump convector

FWXV-A

ARC452A15

- Energy efficient heating and cooling system based on air source heat pump technology
- Optimum energy efficiency when connected to a Daikin Altherma low temperature system
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Reduced running costs
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Ideal for installation beneath a window
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- Can be installed against a wall or recessed
- Powerful mode can be selected for rapid cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air

Heating & Cooling

Indoor unit				**FWXV15A**	**FWXV20A**
Heating capacity	Total capacity	Nom.	kW	1.5	2.0
			Btu/h	5,100	6,800
Cooling capacity	Total capacity	Nom.	kW	1.2	1.7
	Sensible capacity	Nom.	kW	0.98	1.4
Power input	Heating	Nom.	kW	0.013	0.015
	Cooling	Nom.	kW	0.013	0.015
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210	
Weight	Unit		kg	15	
Piping connections	Drain/OD/Inlet/Outlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dBA	19	29
	Cooling	Nom.	dBA	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	

(1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K. (2) Heating: room temperature 20°CDB and entering water temperature 45°C, water temperature drop 5K.

The natural choice

COP 5.04

New control panel:
easy to use, commission
and service

Integrated heating and
hot water unit, saving installation
space and time

Higher efficiencies at every ambient
and flow temperature

The optimum heating solution
for low energy homes

SEASONAL EFFICIENCY
Smart use of energy

Today, Daikin leads the way towards more efficient, cost-effective and environmentally friendly comfort solutions, introducing products optimised for all seasons.

The new Daikin Altherma low temperature heat pump, an innovative product range, designed to deliver only the best in climate control.

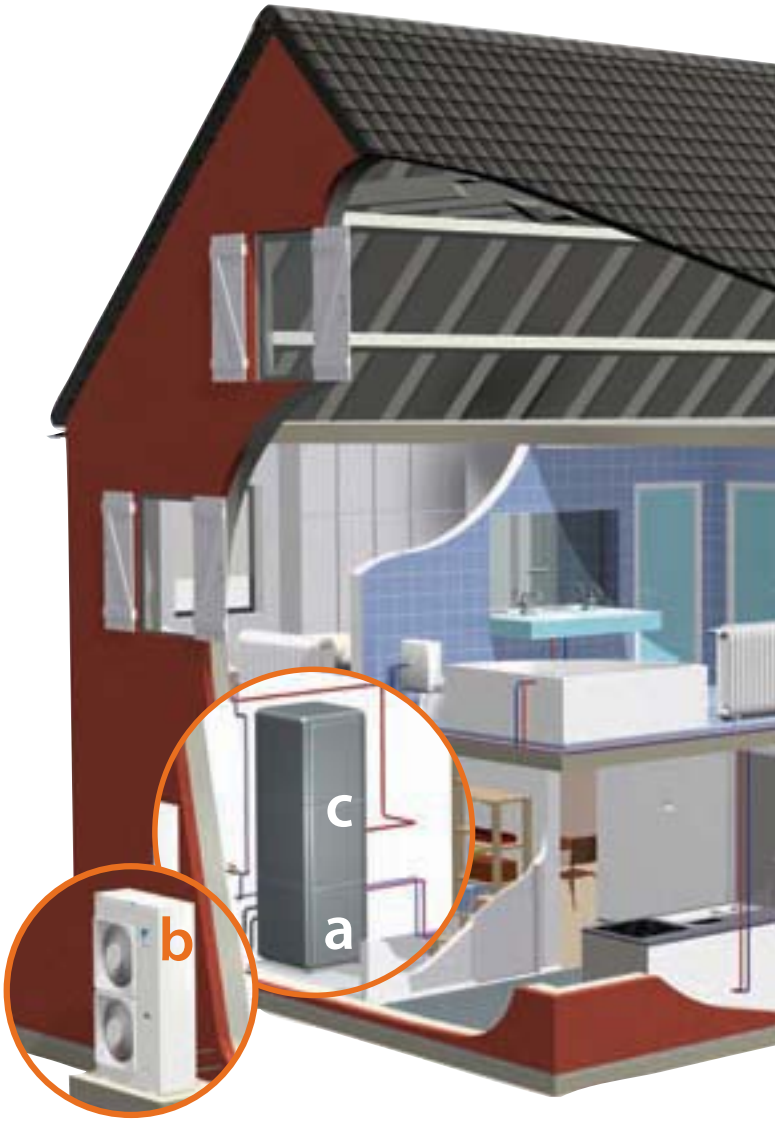
www.daikineurope.com

DAIKIN
altherma

Heating & domestic hot water

for renovations

The Daikin Altherma high temperature system offers heating and domestic hot water for your home. Replacing a traditional boiler, it connects to the existing piping allowing you to keep your current hydraulic connections and emitters. The Daikin Altherma high temperature system is therefore the ideal solution for renovations. The split system consists of an outdoor unit and an indoor unit and can be completed with a solar connection



Accessories for high temperature applications

Easy control

With Daikin Altherma's user interface, the ideal temperature can be easily, quickly and conveniently regulated. It allows for more precise measurement and can regulate your comfort even more optimally and energy efficiently.

- ✓ Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
- ✓ No need to change your existing radiators and piping as water temperatures can be increased up to 80°C for heating and domestic hot water use
- ✓ Only limited installation space needed as the indoor unit and domestic hot water tank can be stacked on each other

a - Indoor unit

b - Outdoor unit

c - Domestic hot water tank

Heat emitters

The Daikin Atherma high temperature system is designed to work only with high-temperature radiators, which come in various sizes and formats to suit the interior design as well as the heating requirement. Our radiators can be individually controlled or they can be regulated by the central heating control programme.

Solar connection

The Daikin Altherma high temperature heating system can optionally use solar energy for hot water production.

If the solar energy is not required immediately, the purpose-built hot water tank (EKHWP) can store large quantities of heated water for up to a day for later use as domestic hot water or for heating.

EKHBRD-ACV1/Y1
ER(R/S)Q-AV1/Y1 / EMRQ-A

Daikin Altherma high temperature split

EKHBRD-ACV1/Y1

ER(R/S)Q-AV1/Y1

INVERTER

- Low energy bills and low CO_2 emissions
- Energy efficient heating only system based on air to water heat pump technology
- Combinable with high temperature radiators
- Easy replacement of existing boiler, without changing heating pipes
- High temperature application: up to 80°C without electric heater
- Floor standing indoor unit up to 16kW
- Inverter controlled scroll compressor
- Outdoor unit extracts heat from the outdoor air, even at -20°C

BE/31/001

Heating only

Indoor unit					EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACY1	EKHBRD014ACY1	EKHBRD016ACY1
Casing	Colour				Metallic grey					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695					
Weight	Unit			kg	144.25			147.25		
Operation range	Heating	Ambient	Min.~Max.	°C	-20~20					
		Water side	Min.~Max.	°C	25~80					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type									
	Charge			kg	3.2					
Sound pressure level	Nom.			dBA	43 (3) / 46 (4)	45 (3) / 46 (4)	46 (3) / 46 (4)	43 (3) / 43 (4)	45 (3) / 45 (4)	46 (3) / 46 (4)
	Night quiet mode	Level 1		dBA	40 (3)	43 (3)	45 (3)	40 (3)	43 (3)	45 (3)
Power supply	Name/Phase/Frequency/Voltage				V1/1~/50/220-240			Y1/3~/50/380-415		
Current	Recommended fuses			A	25			16		

Outdoor unit with bottom plate heater					ERRQ011AV1	ERRQ014AV1	ERRQ016AV1	ERRQ011AY1	ERRQ014AY1	ERRQ016AY1
Outdoor unit without bottom plate heater					**ERSQ011AV1**	**ERSQ014AV1**	**ERSQ016AV1**	**ERSQ011AY1**	**ERSQ014AY1**	**ERSQ016AY1**
Heating capacity	Nom.			kW	11 (1) / 11 (2)	14 (1) / 14 (2)	16 (1) / 16 (2)	11 (1) / 11 (2)	14 (1) / 14 (2)	16 (1) / 16 (2)
Power input	Heating	Nom.		kW	3.57 (1) / 4.40 (2)	4.66 (1) / 5.65 (2)	5.57 (1) / 6.65 (2)	3.57 (1) / 4.40 (2)	4.66 (1) / 5.65 (2)	5.57 (1) / 6.65 (2)
COP					3.08 (1) / 2.50 (2)	3.00 (1) / 2.48 (2)	2.88 (1) / 2.41 (2)	3.08 (1) / 2.50 (2)	3.00 (1) / 2.48 (2)	2.88 (1) / 2.41 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	120					
Operation range	Heating	Min.~Max.		°CWB	-20~20					
	Domestic hot water	Min.~Max.		°CDB	-20~35					
Refrigerant	Type				R-410A					
	Charge			kg	4.5					
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~/50/220-240			Y1/3~/50/380-415		
Current	Recommended fuses			A	25			16		

Outdoor unit					EMRQ8A	EMRQ10A	EMRQ12A	EMRQ14A	EMRQ16A
Heating capacity	Nom.			kW	22.4 (1)	28 (1)	33.6 (1)	39.2 (1)	44.8 (1)
Cooling capacity	Nom.			kW	20 (2)	25 (2)	30 (2)	35 (2)	40 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x1,300x765				
Weight	Unit			kg	331			339	
Operation range	Heating	Min.~Max.		°CWB	-15~20				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~35				
	Cooling	Min.~Max.		°CDB	10~43				
Refrigerant	Type				R-410A				
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	Name/Phase/Frequency/Voltage				Y1/3~/50/380-415				

(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) Sound levels are measured at: EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7°CDB/6°CWB (4) Sound levels are measured at: EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7°CDB/6°CWB

EKHTS200AC EKHTS260AC

- Stainless steel domestic hot water tank
- 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
- Available in 200 and 260 liters
- Heat loss is reduced to a minimum thanks to the high quality insulation
- At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Domestic hot water tank

Indoor unit				EKHTS200AC	EKHTS260AC
Casing	Colour			Metallic grey	
	Material			Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height(Integrated on indoor unit)xWidthxDepth	mm	1,335(2,010)x600x695	1,610(2,285)x600x695
Weight	Unit	Empty	kg	70	78
Tank	Water volume		l	200	260
	Material			Stainless steel (EN 1.4521)	
	Maximum water temperature		°C	75	
Heat exchanger	Quantity			1	
	Tube material			Duplex steel (EN 1.4162)	
	Face area		m^2	1.56	
	Internal coil volume		l	7.5	


EKHWP-B

- Domestic hot water at any time thanks to large hot water storage
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Better performance with unpressurised solar system both for low temperature and high temperature solutions
- For latest information, see page 349

Domestic hot water tank				*EKHWP300B	*EKHWP500B
Casing	Colour			Dust grey (RAL7037)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	1,590x595x615	1,590x790x790
Weight	Unit	Empty	kg	59	92
Tank	Water volume		l	300	500
	Maximum water temperature		°C	85	
Heat exchanger	Domestic hot water	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	5.7	5.9
		Internal coil volume	l	27.8	28.4
		Operating pressure	bar	6	
		Average specific thermal output	W/K	2,795	2,860
	Charging	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	2.5	3.7
		Internal coil volume	l	12.3	17.4
		Average specific thermal output	W/K	1,235	1,809
	Auxiliary solar heating	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	-	1.0
		Internal coil volume	l	-	5
		Average specific thermal output	W/K	-	313

*Note: grey cells contain preliminary data

EKS(V/H)-P

Solar collector

EKSH-P

EKSV-P

- Solar panels 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
- System for domestic hot water production
- Easy to install on roof tiles

Solar collector				**EKSH26P**	**EKSV26P**
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,300x85
Weight	Unit		kg	43	
Volume			l	2.1	1.7
Surface	Outer		m^2	2.601	
	Aperture		m^2	2.364	
	Absorber		m^2	2.354	
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	200	
Thermal performance	Zero loss collector efficiency η0		%	78.7	
	Heat loss coefficient a1		$W/m^2.K$	4.270	
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.0070	
	Thermal capacity		kJ/K	6.5	
	Incident angle modifier	AM at 50°		0.94	
Installed position				Vertical	Horizontal

EKSRPS

Solar connection

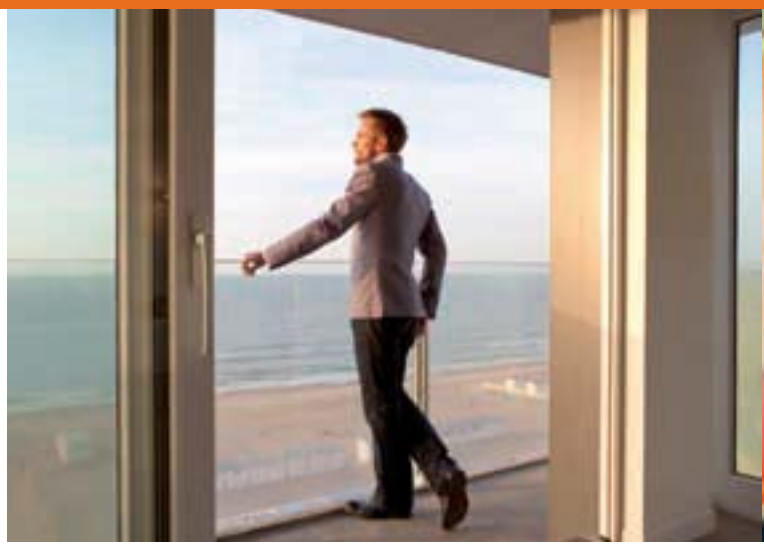
EKSRPS3

- 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

Pump station				**EKSRPS3**
Mounting				On side of tank
Dimensions	Unit	HeightxWidthxDepth	mm	815x230x142
Control	Type			Digital temperature difference controller with plain text display
	Power consumption		W	2
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	Voltage		V	230

Daikin Altherma Flex Type

The Daikin Altherma range is a mix of intelligent solutions and advanced control technologies that provide the ultimate in controllable comfort for residential or commercial buildings while respecting the environment through reduced energy consumption.



3-in-1 system

Daikin Altherma Flex Type heats, cools, and produces domestic hot water:

- Heating: leaving water temperatures up to 80° C
- Cooling: leaving water temperatures down to 5° C
- Hot water: tank temperatures up to 75° C

Thanks to its heat recovery function, the system can heat up the hot water tank up to 60°C with rejected heat from cooling operation.

Concept description

One or more indoor and outdoor units

1
Heating

2
Cooling

3
Hot water

- ✓ Top Comfort
- ✓ Heating, hot water and cooling
- ✓ Low CO_2 emissions
- ✓ Modular system

Providing total climate control in such places as schools, hospitals, libraries, spas, gyms and hotels presents particular challenges in that there are frequently a large number of rooms of greatly varying sizes that need heating and cooling while, at the same time large volumes of hot water are also needed – often 'on demand'.

The Daikin Altherma range is designed with these sorts of challenges in mind. Each outdoor unit can be linked to up to ten indoor units with each indoor unit being individually controlled to enable the perfect comfort temperature to be maintained at all times. In addition, by making integrated and optimal use of VRV, cascade and heat pump technologies, the system efficiently generates hot water in both heating and cooling modes.

EKHVM(R/Y)D-A

Daikin Altherma Flex Type - indoor unit

EKHVM(R/Y)D-A / EKHBRD-AC

INVERTER

- Low energy bills and low CO_2 emissions
- Energy efficient heating and cooling system based on air to water heat pump technology
- High temperature application: up to 80°C without electric heater
- Floor standing indoor unit up to 16 kW
- Flexible configuration with respect to heat emitters
- Inverter controlled scroll compressor

6kW to 9kW

					Heating only		Heating & Cooling	
Indoor unit					**EKHVMRD50A**	**EKHVMRD80A**	**EKHVMYD50A**	**EKHVMYD80A**
Casing	Colour				Metallic grey		Metallic grey	
	Material				Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695		705x600x695	
Weight	Unit			kg	92		120	
Operation range	Heating	Ambient	Min.~Max.	°C	-15~20		-15~20	
		Water side	Min.~Max.	°C	25~80		25~80	
	Cooling	Ambient	Min.~Max.	°C	-		10~43	
		Water side	Min.~Max.	°C	-		5 ~20	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~35		-15~35	
		Water side	Min.~Max.	°C	45~75		45~75	
Refrigerant	Type				R-134a		R-134a	
	Charge			kg	2		2	
Sound pressure level	Nom.			dBA	40(1) / 43(2)	42(1) / 43(2)	40(1) / 43(2)	42(1) / 43(2)
	Night quiet mode	Level 1		dBA	38		38	
Power supply	Name/Phase/Frequency/Voltage				V1/1~/50/220-240		V1/1~/50/220-240	
Current	Recommended fuses			A	20		20	

(1) Sound levels are measured at EW 55°C; LW 65°C (2) Sound levels are measured at EW 70°C: LW 80°C

EKHBRD-ACV1/Y1

Heating only - 11kW to 16kW

Indoor unit					EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACY1	EKHBRD014ACY1	EKHBRD016ACY1
Casing	Colour				Metallic grey			Metallic grey		
	Material				Precoated sheet metal			Precoated sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695			705x600x695		
Weight	Unit			kg	144.25			147.25		
Operation range	Heating	Ambient	Min.~Max.	°C	-20 ~20			-20 ~20		
		Water side	Min.~Max.	°C	25~80			25~80		
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35			-20~35		
		Water side	Min.~Max.	°C	25~80			25~80		
Refrigerant	Type				R-134a			R-134a		
	Charge			kg	3.2			3.2		
Sound pressure level	Nom.			dBA	43(1) / 46(2)	45(1) / 46(2)	46(1) / 46(2)	43(1) / 43(2)	45(1) / 45(2)	46(1) / 46(2)
	Night quiet mode	Level 1		dBA	40	43	45	40	43	45
Power supply	Name/Phase/Frequency/Voltage				V1/1~/50/220-240			Y1/3~/50/380-315		
Current	Recommended fuses			A	25			16		

(1) Sound levels are measured at EW 55°C; LW 65°C (2) Sound levels are measured at EW 70°C: LW 80°C

EMRQ8-16A

VRV TECHNOLOGY

INVERTER

- Low energy bills and low CO_2 emissions
- Easy installation and maintenance
- Integrated heat recovery system
- The ultimate heating solution for residential and commercial applications based on air to water heat pump technology
- Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit

Heat recovery

Outdoor unit					**EMRQ8A**	**EMRQ10A**	**EMRQ12A**	**EMRQ14A**	**EMRQ16A**
Heating capacity	Nom.			kW	22.4 (1)	28 (1)	33.6 (1)	39.2 (1)	44.8 (1)
Cooling capacity	Nom.			kW	20 (2)	25 (2)	30 (2)	35 (2)	40 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x1,300x765				
Weight	Unit			kg	331			339	
Operation range	Heating	Min.~Max.		°CWB	-15~20				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~35				
	Cooling	Min.~Max.		°CDB	10~43				
Refrigerant	Type				R-410A				
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	Name/Phase/Frequency/Voltage				Y1/3~/50/380-415				

(1) Condition: Ta=7°CDB/6°CWB, 100% connection ratio (2) Condition: Ta=35°CDB, 100% connection ratio

EKHTS200AC EKHTS260AC

- Stainless steel domestic hot water tank
- 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
- Available in 200 and 260 liters
- Heat loss is reduced to a minimum thanks to the high quality insulation
- At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Domestic hot water tank

Indoor unit				**EKHTS200AC**	**EKHTS260AC**
Casing	Colour			Metallic grey	
	Material			Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height(Integrated on indoor unit)xWidthxDepth	mm	1,335(2,010)x600x695	1,610(2,285)x600x695
Weight	Unit	Empty	kg	70	78
Tank	Water volume		l	200	260
	Material			Stainless steel (EN 1.4521)	
	Maximum water temperature		°C	75	
Heat exchanger	Quantity			1	
	Tube material			Duplex steel (EN 1.4162)	
	Face area		m^2	1.56	
	Internal coil volume		l	7.5	

FWXV-A

Heat pump convector

FWXV-A

ARC452A15

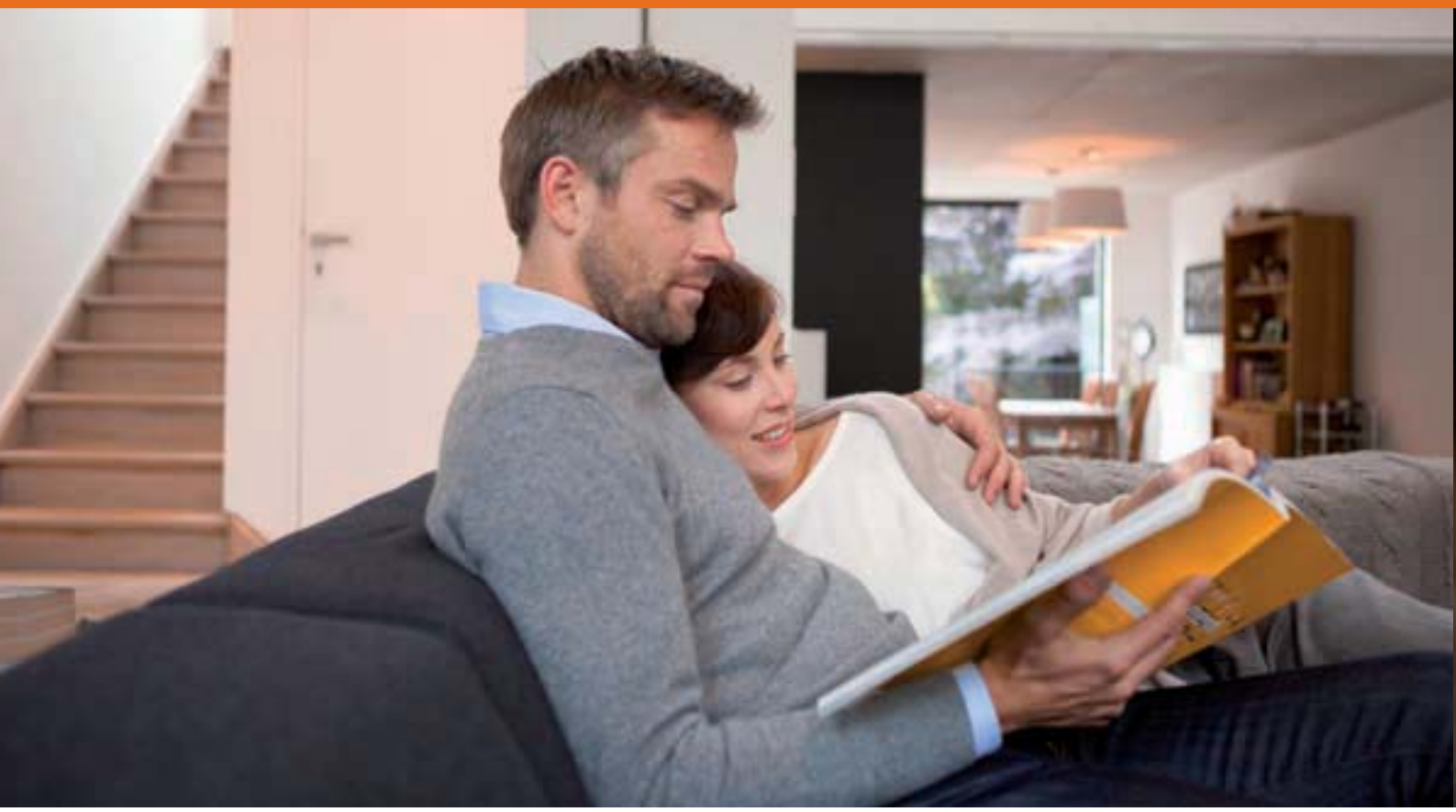
- Energy efficient heating and cooling system based on air source heat pump technology
- Optimum energy efficiency when connected to a Daikin Altherma low temperature system
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Reduced running costs
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Ideal for installation beneath a window
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- Can be installed against a wall or recessed
- Powerful mode can be selected for rapid cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air

Heating & Cooling

Indoor unit				FWXV15A	FWXV20A
Heating capacity	Total capacity	Nom.	kW	1.5	2.0
			Btu/h	5,100	6,800
Cooling capacity	Total capacity	Nom.	kW	1.2	1.7
	Sensible capacity	Nom.	kW	0.98	1.4
Power input	Heating	Nom.	kW	0.013	0.015
	Cooling	Nom.	kW	0.013	0.015
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210	
Weight	Unit		kg	15	
Piping connections	Drain/OD/Inlet/Outlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dBA	19	29
	Cooling	Nom.	dBA	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	

(1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K. (2) Heating: room temperature 20°CDB and entering water temperature 45°C, water temperature drop 5K.

Combination tables



Daikin Altherma low temperature split

			OUTDOOR						DOMESTIC HOT WATER TANK optional	
		Down to -20°C outdoor temp.				ERHQ-BV3 ERHQ-BW1	ERHQ-BV3 ERHQ-BW1	ERHQ-BV3 ERHQ-BW1	EKHWS-B	EKHWE-A
		Down to -25°C outdoor temp.	ERLQ-CV3	ERLQ-CV3	ERLQ-CV3	ERLQ-CV3 ERLQ-CW1	ERLQ-CV3 ERLQ-CW1	ERLQ-CV3 ERLQ-CW1		
INDOOR		Range	004	006	008	011	014	016	150-200-300	150-200-300
Wall mounted	EHBH-C	04	heating only						hot water + solar	
		08		heating only						
		16				heating only				
	EHBX-C	04	heating & cooling							
		08		heating & cooling						
		16				heating & cooling				
Floor standing	EHVH-C	04	heating & hot water							
		08		heating & hot water						
		16				heating & hot water				
	EHVX-C	04	heating, cooling & hot water							
		08		heating, cooling & hot water						
		16				heating, cooling & hot water				

Daikin Altherma low temperature monobloc

	MONOBLOC			DOMESTIC HOT WATER TANK optional	
With bottom plate heater		EBLQ-BB6V3 EBLQ-BB6W1	EDLQ-BB6V3 EDLQ-BB6W1	EKHWS-B	EKHWE-A
Without bottom plate heater	EBHQ-BV3	EBHQ-BB6V3 EVHQ-BB6W1	EDHQ-BB6V3 EDHQ-BB6W1		
006	heating & cooling			150-200-300	150-200-300
008				hot water + solar	
011		heating & cooling	heating only		
014					
016					

Daikin Altherma high temperature split

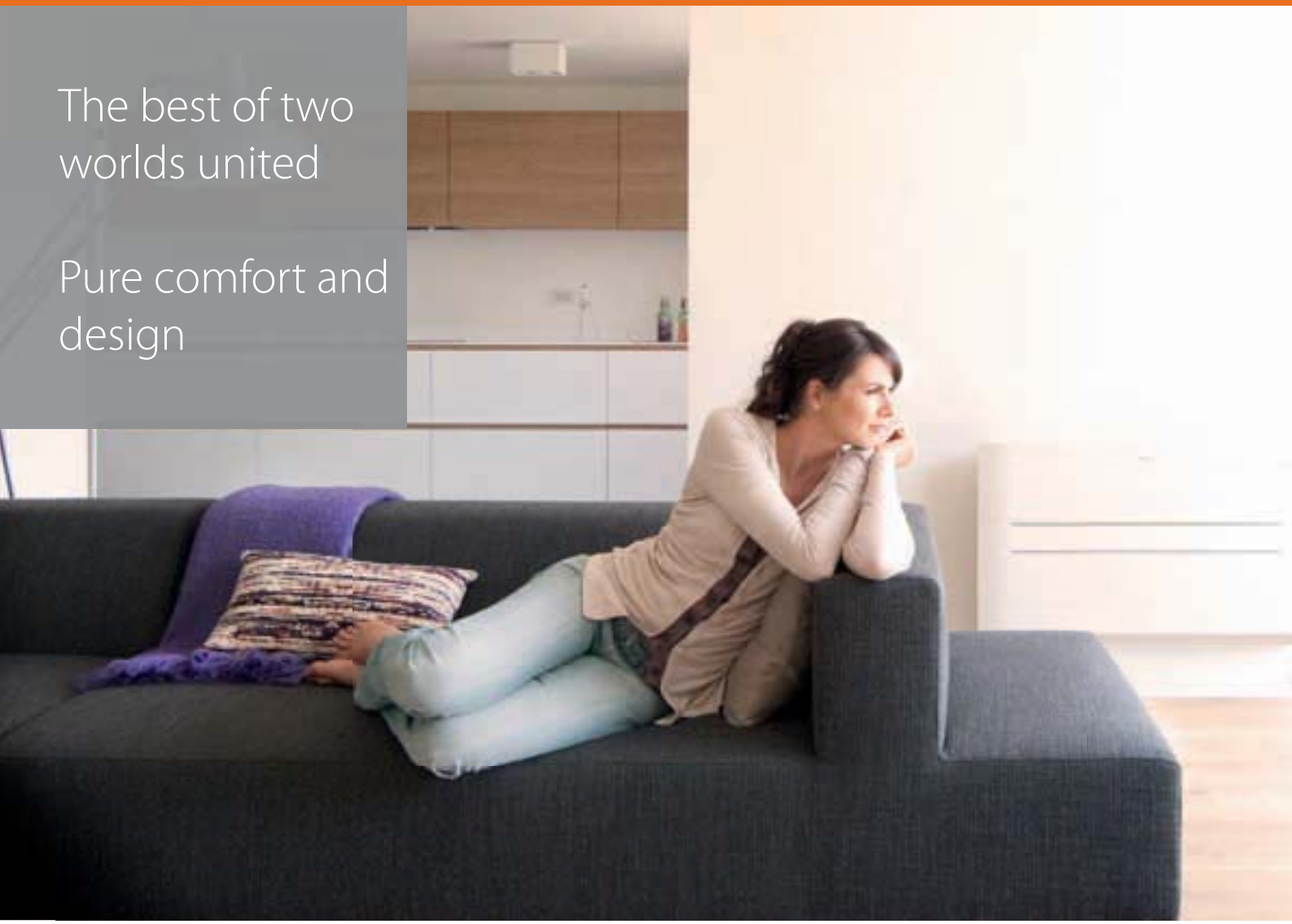
			OUTDOOR								DOMESTIC HOT WATER TANK optional	
			ERRQ-A ERSQ-A	ERRQ-A ERSQ-A	ERRQ-A ERSQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EKHTS-AC	EKHWP-B
INDOOR		Range	011	014	016	8	10	12	14	16	200-260	300-500
Floor standing	EKHBRD-AC	011	heating only								hot water	hot water + solar
		014										
		016										

Daikin Altherma Flex Type

			OUTDOOR					DOMESTIC HOT WATER TANK optional
			EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EKHTS-AC
INDOOR		Range	8	10	12	14	16	200-260
Floor standing	EKHVMRD-A	50	heating only					hot water
		80						
	EKHVMYD-A	50	heat recovery					
		80						
	EKHBRD-AC	011	heating only					
		014						
		016						

The best of two worlds united

Pure comfort and design



COMFORT IS KEY

Nexura makes your world a comfortable one. The coolness of a summer breeze or the cosiness of an extra heat source brings a feeling of well-being to your living space all year round. Its unobtrusive yet stylish design with a front panel that radiates additional heat, its low noise level and reduced air flow turn your room into a haven.

FVXG-K / RXG-K

Floor standing unit with radiant heat panel

FVXG-K


RXG25-35K


ARC466A2

nexura

- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Can be installed against a wall or recessed

UNIQUE TECHNOLOGY

Heating & Cooling

Indoor unit					FVXG25K	FVXG35K	FVXG50K
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0 /5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.7/5.8 /8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A
		Pdesign		kW	2.50	3.50	5.00
		SEER			6.46	6.33	5.31
		Annual energy consumption		kWh	135	194	330
	Heating (Average climate)	Energy label			A+	A	A+
		Pdesign		kW	2.80	3.10	4.60
		SCOP			4.56	3.93	4.13
		Annual energy consumption		kWh	858	1,103	1,558
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.55	3.68	3.29
	COP				4.36	3.72	3.67
	Annual energy consumption			kWh	275	475	760
	Energy label	Cooling/Heating			A/A		
Casing	Colour				Fresh white(6.5Y 9.5/0.5)		
Dimensions	Unit	HeightxWidthxDepth		mm	600x950x215		
Weight	Unit			kg	22		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.9/7.0/5.3/4.5	9.1/7.2/5.3/4.5	10.6/8.9/7.3/6.0
	Heating	High/Nom.		m^3/min	9.9/7.8	10.2/8.0	12.2/10.0
Sound power level	Cooling	Nom.		dBA	54	55	56
	Heating	Nom.		dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	H/N/L/Silent operation/Radiant heat		dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
	Drain	OD		mm	18		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					RXG25K	RXG35K	RXG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	50.9/48.9
	Heating	High/Super low		m^3/min	30.2/25.6	30.2/25.6	45.0/43.1
Sound power level	Cooling	High		dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

(1) EER/COP according to Eurovent 2012

FTXG-JW/A / RXLG-K

Wall mounted unit
Designed for colder climates

FTXG-JW
FTXG-JA

RXLG25-35K

ARC466A1

- Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or brushed aluminium
- Good design award: unique evaluation criterion for industrial design in Japan
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- For latest information, see page 349

product design award 2010 ■ GOOD DESIGN reddot design award honourable mention 2010 Designpreis Deutschland 2011 NOMINEE

down to -25°C

Heating & Cooling

Indoor unit					FTXG25JW	FTXG35JW	FTXG50JW	FTXG25JA	FTXG35JA	FTXG50JA
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0/5.3	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8/6.5	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8/6.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A	A++		A
		Pdesign		kW	2.50	3.50	5.00	2.50	3.50	5.00
		SEER			6.53	6.51	5.45	6.53	6.51	5.45
		Annual energy consumption		kWh	134	188	321	134	188	321
	Heating (Average climate)	Energy label			A+	A+	A	A+	A+	A
		Pdesign		kW	2.80	3.30	4.60	2.80	3.30	4.60
		SCOP			4.25	4.16	3.83	4.25	4.16	3.83
		Annual energy consumption		kWh	923	1,112	1,682	923	1,112	1,682
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.46	3.93	3.21	4.46	3.93	3.21
	COP				4.36	4.04	3.6	4.36	4.04	3.63
	Annual energy consumption			kWh	280	445	780	280	445	779
	Energy label	Cooling/Heating			A/A					
Casing	Colour				Matt crystal white			Brushed aluminium		
Dimensions	Unit	HeightxWidthxDepth		mm	295x915x155					
Weight	Unit			kg	11					
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7
	Heating	High/Nom.		m^3/min	9.6/7.9	10.8/8.6	11.4/9.8	9.6/7.9	10.8/8.6	11.4/9.8
Sound power level	Cooling	High/Nom.		dBA	54/56	58/60	60/60	54/56	58/60	60/60
	Heating	High		dBA	55	58	60	55	58	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/25/22	42/34/26/23	44/40/35/32	38/32/25/22	42/34/26/23	44/40/35/32
	Heating	High/Nom./Low/Silent operation		dBA	39/34/28/25	42/36/29/26	44/40/35/32	39/34/28/25	42/36/29/26	44/40/35/32
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.5		12.7	9.52		12.7
	Drain	OD		mm	16 or 18		18	16 or 18		18
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

Outdoor unit					*RXLG25K	*RXLG35K	*RXLG50K	*RXLG25K	*RXLG35K	*RXLG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	11	34	34	11
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	to be confirmed	33.5/30.1	36.0/30.1	to be confirmed
	Heating	High/Super low		m^3/min	28.3/25.6	30.2/25.6	to be confirmed	28.3/25.6	30.2/25.6	to be confirmed
Sound power level	Cooling	Nom.		dBA	62	64	63	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed					

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FVXG-K/RXLG-K

Floor standing unit with radiant heat panel
Designed for colder climates

FVXG-K


RXLG-K


ARC466A2

nexura

- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- Can be installed against a wall or recessed
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit					FVXG25K	FVXG35K	FVXG50K
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5/3.0	1.4/3.5/3.8	1.7/5.0/5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4/4.5	1.4/4.5/5.0	1.7/5.8/8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A
		Pdesign		kW	2.50	3.50	5.00
		SEER			6.46	6.33	5.31
		Annual energy consumption		kWh	135	194	330
	Heating (Average climate)	Energy label			A+	A	A+
		Pdesign		kW	2.80	3.10	4.60
		SCOP			4.47	3.87	4.08
		Annual energy consumption		kWh	877	1,122	1,577
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.55	3.68	3.29 (1)
	COP				4.36	3.72	3.67 (1)
	Annual energy consumption			kWh	275	475	760
	Energy label	Cooling/Heating			A/A		
Casing	Colour				Fresh white (6.5Y 9.5/0.5)		
Dimensions	Unit	HeightxWidthxDepth		mm	600x950x215		
Weight	Unit			kg	22		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.9/7.0/5.3/4.5	9.1/7.2/5.3/4.5	10.6/8.9/7.3/6.0
	Heating	High/Nom.		m^3/min	9.9/7.8	10.2/8.0	12.2/10.0
Sound power level	Cooling	Nom.		dBA	52	52	58
	Heating	Nom.		dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	H/N/L/Silent operation/Radiant heat		dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					*RXLG25K	*RXLG35K	*RXLG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	11
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	to be confirmend
	Heating	High/Super low		m^3/min	28.3/25.6	30.2/25.6	
Sound power level	Cooling	Nom.		dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmend	to be confirmend	to be confirmend

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTXS-K/J / RXL-K/J

Wall mounted unit
Designed for colder climates

FTXS20-25K

RXL20-25K

ARC452A3

SEASONAL EFFICIENCY

- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- 2 area intelligent eye: 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 (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (35,42,50 class)
- Extnded operation range down to -25°C in heating
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit					*FTXS20K	*FTXS25K	*FTXS35J	*FTXS42J	*FTXS50J
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0/2.8	1.3/2.5/3.2	1.4/3.5/4.0	1.7/4.2/5.0	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW	1.3/2.5/4.3	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+	A++		A	
		Pdesign		kW	2.00	2.50	3.50	4.20	5.00
		SEER			5.71	6.37	6.43	5.47	5.30
		Annual energy consumption		kWh	123	137	190	269	330
	Heating (Average climate)	Energy label			A++	A+		A	
		Pdesign		kW	2.30	2.50	3.60	3.90	4.60
		SCOP			4.62	4.51	4.24	3.75	3.94
		Annual energy consumption		kWh	698	775	1,188	1,453	1,634
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.65	4.39	4.07	3.47	3.42
	COP				4.55	4.52	4.21	3.72	3.79
	Annual energy consumption			kWh	215	285	430	605	730
	Energy label	Cooling/Heating			A/A				
Casing	Colour				White				
Dimensions	Unit	HeightxWidthxDepth		mm	289x780x215		295x800x215		
Weight	Unit			kg	8		10		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.8/6.7/4.7/3.9	9.1/7.0/5.0/3.9	11.4/8.7/5.8/4.4	11.3/9.0/6.8/5.9	11.6/9.2/7.0/6.0
	Heating	High/Nom.		m^3/min	9.5/7.8	10.0/8.0	12.4/9.5	12.2/9.7	12.1/9.8
Sound power level	Cooling	Nom.		dBA	58	58	59		60
	Heating	Nom.		dBA	56	57	61		63
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	40/32/24/19	41/33/25/19	45/37/29/23	45/39/33/30	46/40/34/31
	Heating	High/Nom./Low/Silent operation		dBA	40/34/27/19	41/34/27/19	45/39/29/26	45/39/33/30	47/41/34/31
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5				12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				

Outdoor unit					*RXL20K	*RXL25K	*RXL35J	*RXL42J	*RXL50J
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	34	39	48
Sound power level	Cooling	Nom.		dBA	61	62	64	63	63
	Nom.			dBA	to be confirmed	to be confirmed	63	63	63
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/43/-	46/43/-	48/-/44	48/-/44	48/-/44
	Heating	High/Low/Silent operation		dBA	47/44/-	47/44/-	48/-/45	48/-/45	48/-/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	20	20	30
	Level difference	IU - OU	Max.	m	15	15	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FVXS-F / RXL-K/J

Floor standing unit
Designed for colder climates

FVXS-F


RXS-K


ARC452A1

- Its low height enables the unit to fit perfectly beneath a window
- Can be installed against a wall or recessed
- Whisper quiet operation: down to 23dBA sound pressure level
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit				FVXS25F	FVXS35F	FVXS50F
Cooling capacity	Min./Nom./Max.		kW	1.3/2.5 /3.0	1.4/3.50 /3.8	1.4/5.0 /5.6
Heating capacity	Min./Nom./Max.		kW	1.3/3.4 /4.5	1.4/4.50 /5.0	1.4/5.8 /8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B	B	A
		Pdesign	kW	2.5	3.50	5.00
		SEER		4.71	4.93	5.53
		Annual energy consumption	kWh	186	248	317
	Heating (Average climate)	Energy label		A+	A	A
		Pdesign	kW	2.60	2.90	4.80
		SCOP		4.28	3.83	3.59
		Annual energy consumption	kWh	850	1,059	1,874
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			4.39	3.43	3.23
	COP			4.30	3.69	3.63
	Annual energy consumption		kWh	285	510	775
	Energy label	Cooling/Heating		A/A		
Casing	Colour			White		
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210		
Weight	Unit		kg	14		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m^3/min	8.2/6.5/4.8/4.1	8.5/6.7/4.9/4.5	10.7/9.2/7.8/6.6
	Heating	High/Nom./Low/Silent operation	m^3/min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High/Nom.	dBA	-/52	55/52	56/60
	Heating	High/Nom.	dBA	-/54	55/-	57/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		12.7
	Drain	OD	mm	20		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

Outdoor unit					*RXL25K	*RXL35J	*RXL50J
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48
Sound power level	Cooling	Nom.		dBA	62	64	63
	Nom.			dBA	to be confirmed	63	63
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/43/-	48/-/44	48/-/44
	Heating	High/Low/Silent operation		dBA	47/44/-	48/-/45	48/-/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

VRV +
3 revolutionary standards

Variable Refrigerant Temperature

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort:

Revolutionary variable refrigerant temperature control automatically adapts the system to individual building and climate requirements for greater efficiency and comfort.

- Annual cost savings up to 28%
- Optimise the match of building requirements with comfort and efficiency
- Automatic adjustment of refrigerant temperature guarantees customer satisfaction

Continuous comfort

The new standard in heating comfort:

Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems.

- Unique continuous heating technology
- The best alternative to traditional heating systems

VRV configurator

Software for simplified commissioning, configuration and customisation

Simplified commissioning: graphical interface to configure, commission and upload system settings.

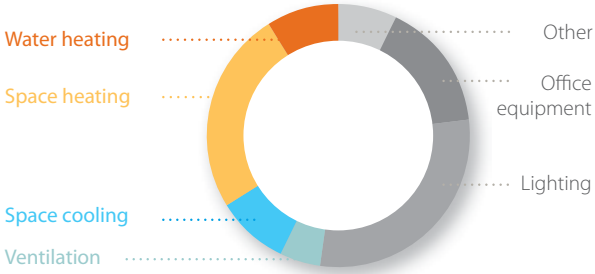
Simplified servicing: additional 7-segment indicator for easy and quick access to basic functions and error read out.

- Less time needed for commissioning
- Manage multiple systems in exactly the same way
- Retrieve initial system settings

VRV IV sets the standard …again

Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact

Manage up to 50% of your building's energy consumption

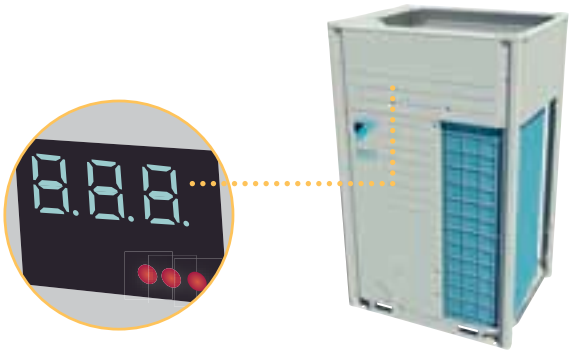


Source: EIA; Commercial buildings Energy consumption survey

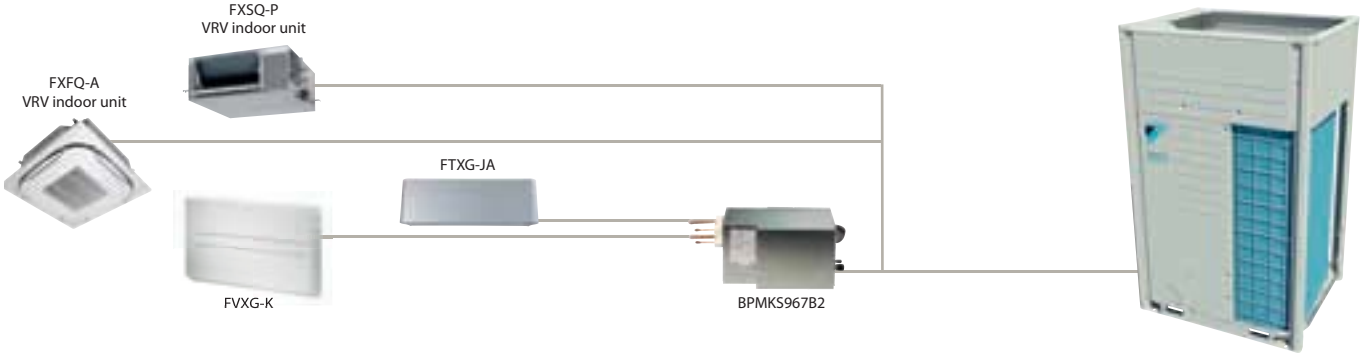
Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.

Simplified servicing

The 7-segment indicator saves time through:
- easy-to-read error report.
- indication of basic service parameters to quickly check basic functions.
- clear menu indicating quick and easy on-site settings.



Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)



Connectable indoor units

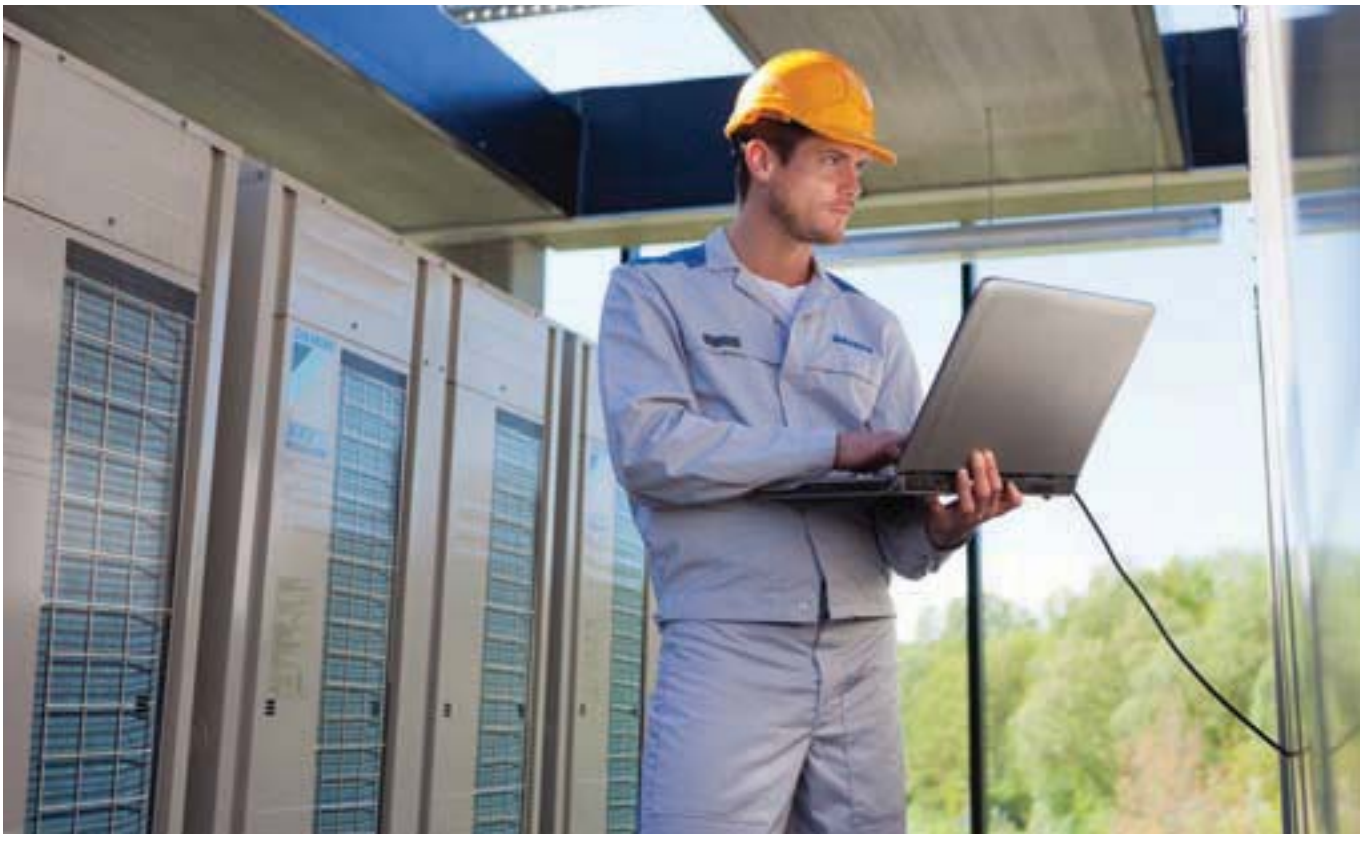
	15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura – Wall mounted unit			FTXG25JW FTXG25JA	FTXG35JW FTXG35JA		FTXG50JW FTXG50JA		
Wall mounted unit	CTXS15K	FTXS20K	FTXS25K	FTXS35K CTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G
Nexura – Floor standing unit			FVXG25K	FVXG35K		FVXG50K		
Floor standing unit			FVXS25F	FVXS35F		FVXS50F		
Flexi type unit			FLXS25B	FLXS35B		FLXS50B	FLXS60B	

BPMKS box needed to connect RA indoors to VRV IV

RYYQ8-12T
RXYQ8-12T

VRV IV

- Customize your VRV for best seasonal efficiency & comfort with Variable Refrigerant Temperature
- Minimum of 28% higher seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems (only for RYYQ-T)
- VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- Temperature control, fresh air provision, Biddle air curtains and hot water production all integrated in a single system
- 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
- Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Wide range of indoor units: combine VRV indoor units and stylish indoor units as Daikin Emura, Nexura ...
- Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extented lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- Available as heating only by irreversible field setting



Outdoor unit					RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.		kW	5.2	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.		kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0
EER					4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER					7.53 (1)	7.20 (1)	6.96 (1)	6.83 (1)	6.50 (1)	6.38 (1)	5.67 (1)
COP					4.55	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units					64 (2)						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	261	268		364		398	
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Piping connections	Liquid	OD		mm	9.52		12.7		15.9		
	Gas	OD		mm	19.1	22.2	28.6				
	Piping length	OU - IU	Max.	m	165 (3)						
	Total piping length	System	Actual	m	1,000 (3)						
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor system					RYYQ22T	RYYQ24T	RYYQ26T	RYYQ28T	RYYQ30T	RYYQ32T	RYYQ34T	RYYQ36T
System	Outdoor unit module 1				RYMQ10T	RYMQ8T	RYMQ12T			RYMQ16T		
	Outdoor unit module 2				RYMQ12T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ16T	RYMQ18T	RYMQ20T
Capacity range				HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.			kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.		kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.		kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER					3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER					7.07 (1)	6.81 (1)	6.89 (1)	6.69 (1)	6.60 (1)	6.50 (1)	6.44 (1)	6.02 (1)
COP					4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units					64 (2)							
Piping connections	Liquid	OD		mm	15.9		19.1					
	Gas	OD		mm	28.6	34.9						41.3
	Piping length	OU - IU	Max.	m	165 (3)							
	Total piping length	System	Actual	m	1,000 (3)							
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position							
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80			

Outdoor system					RYYQ38T	RYYQ40T	RYYQ42T	RYYQ44T	RYYQ46T	RYYQ48T	RYYQ50T	RYYQ52T	RYYQ54T
System	Outdoor unit module 1				RYMQ8T	RYMQ10T		RYMQ12T	RYMQ14T	RYMQ16T			RYMQ18T
	Outdoor unit module 2				RYMQ10T	RYMQ12T	RYMQ16T					RYMQ18T	
	Outdoor unit module 3				RYMQ20T	RYMQ18T	RYMQ16T				RYMQ18T		
Capacity range				HP	38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.			kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.		kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.		kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER					3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER					6.36 (1)	6.74 (1)	6.65 (1)	6.62 (1)	6.60 (1)	6.50 (1)	6.46 (1)	6.42 (1)	6.38 (1)
COP					4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	3.89
Maximum number of connectable indoor units					64 (2)								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	41.3								
	Piping length	OU - IU	Max.	m	165 (3)								
	Total piping length	System	Actual	m	1,000 (3)								
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position								
Current - 50Hz	Maximum fuse amps (MFA)			A	100					125			

Outdoor unit module					RYMQ8T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ20T
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	188	195		309		319	
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

(1) The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) (2) 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%) (3) Refer to technical specifications for more detail

VRV IV

Outdoor unit					RXYQ8T	RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ20T
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.		kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.		kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0
EER					4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER					7.53 (1)	7.20 (1)	6.96 (1)	6.83 (1)	6.50 (1)	6.38 (1)	5.67 (1)
COP					4.54	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units					64 (2)						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	-						
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Piping connections	Liquid	OD		mm	9.52		12.7		15.9		
	Gas	OD		mm	19.1	22.2	28.6				
	Piping length	OU - IU	Max.	m	165 (3)						
	Total piping length	System	Actual	m	1,000 (3)						
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor system					RXYQ22T	RXYQ24T	RXYQ26T	RXYQ28T	RXYQ30T	RXYQ32T	RXYQ34T	RXYQ36T
System	Outdoor unit module 1				RXYQ10T	RXYQ8T	RXYQ12T			RXYQ16T		
	Outdoor unit module 2				RXYQ12T	RXYQ16T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ16T	RXYQ18T	RXYQ20T
Capacity range				HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.			kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.		kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.		kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER					3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER					7.07 (1)	6.81 (1)	6.89 (1)	6.69 (1)	6.60 (1)	6.50 (1)	6.44 (1)	6.02 (1)
COP					4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units					64 (2)							
Piping connections	Liquid	OD		mm	15.9		19.1					
	Gas	OD		mm	28.6	34.9						41.3
	Piping length	OU - IU	Max.	m	165 (3)							
	Total piping length	System	Actual	m	1,000 (3)							
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position							
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80			

Outdoor system					RXYQ38T	RXYQ40T	RXYQ42T	RXYQ44T	RXYQ46T	RXYQ48T	RXYQ50T	RXYQ52T	RXYQ54T
System	Outdoor unit module 1				RXYQ8T	RXYQ10T		RXYQ12T	RXYQ14T	RXYQ16T			RXYQ18T
	Outdoor unit module 2				RXYQ10T	RXYQ12T	RXYQ16T					RXYQ18T	
	Outdoor unit module 3				RXYQ20T	RXYQ18T	RXYQ16T				RXYQ18T		
Capacity range				HP	38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.			kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.		kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.		kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER					3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER					6.36 (1)	6.74 (1)	6.65 (1)	6.62 (1)	6.60 (1)	6.50 (1)	6.46 (1)	6.42 (1)	6.38 (1)
COP					4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	3.89
Maximum number of connectable indoor units					64 (2)								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	41.3								
	Piping length	OU - IU	Max.	m	165 (3)								
	Total piping length	System	Actual	m	1,000 (3)								
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position								
Current - 50Hz	Maximum fuse amps (MFA)			A	100					125			

(1) The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) (2) 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%) (3) Refer to technical specifications for more detail


DAIKIN
VRV

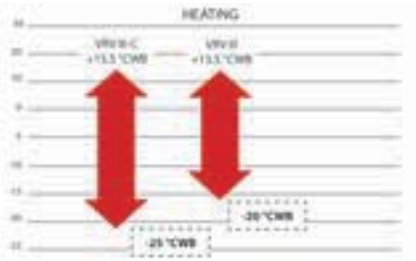
RTSYQ-PA

VRVIII heat pump, optimised for heating

RTSYQ14-16PA

VRV III-C

- First system in the industry developed for heating operation in low ambient conditions, making it suitable for single source heating
- Extended operation range down to -25°C in heating



- High COP values at low ambients thanks to the two stage compression technology (COP values of 3.0 and more at -10°C)
- Improved comfort thanks to shorter defrost time
- Shorter heat up time compared to standard VRVIII heat pump
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Connectable to all VRV indoor units, ventilation and control systems

Heating & Cooling

Outdoor system					**RTSYQ10PA**	**RTSYQ14PA**	**RTSYQ16PA**	**RTSYQ20PA**
System	Outdoor unit module 1				RTSQ10PA	RTSQ14PA	RTSQ16PA	RTSQ8PA
	Outdoor unit module 2				-			RTSQ12PA
	Function unit				BTSQ20P			
Capacity range				HP	10	14	16	20
Cooling capacity	Nom.			kW	28.0 (1)	40.0 (1)	45.0 (1)	56.0 (1)
Heating capacity	Nom.			kW	31.5 (2) / 28.0 (3)	45.0 (2) / 40.0 (3)	50.0 (2) / 45.0 (3)	63.0 (2) / 55.9 (3)
Power input - 50Hz	Cooling	Nom.		kW	7.90 (1)	12.6 (1)	14.9 (1)	15.4 (1)
	Heating	Nom.		kW	7.78 (2) / 8.18 (3)	11.4 (2) / 12.8 (3)	13.0 (2) / 15.0 (3)	15.4 (2) / 18.7 (3)
EER					3.54 (1)	3.17 (1)	3.02 (1)	3.64 (1)
COP					4.05 (2) / 3.42 (3)	3.95 (2) / 3.13 (3)	3.85 (2) / 3.00 (3)	4.09 (2) / 2.99 (3)
Maximum number of connectable indoor units					21	30	34	43
Sound pressure level	Cooling	Max./Nom.		dBA	62/60	63/61	65/63	
Piping connections	Liquid	OD		mm	9.52	12.7		15.9
	Gas	OD		mm	22.2	28.6		
	Oil equalizing	OD		mm	-			19.1
	Piping length	OU - IU	Max.	m	165			
	Total piping length	System	Actual	m	500			
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	35	40	50

(1) Cooling: Indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (2) Heating: Indoor temp. 20°CDB; outdoor temp. 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (3) Heating: Indoor temp. 20°CDB; outdoor temp. -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m

Outdoor unit module				**BTSQ20P**	**RTSQ8PA**	**RTSQ10PA**	**RTSQ12PA**	**RTSQ14PA**	**RTSQ16PA**
Dimensions	Unit	HeightxWidthxDepth	mm	1,570x460x765	1,680x930x765			1,680x1,240x765	
Weight	Unit		kg	110	205	257		338	344
Sound power level	Cooling	Nom.	dBA	-					
Operation range	Cooling	Min.~Max.	°CDB	-5~43					
	Heating	Min.~Max.	°CWB	-25~15.5					
Refrigerant	Type			R-410A					
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25			35	40

RWEYQ-PR

VRV-WIII

- Reduced CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source
- No need for an external heating or cooling source
- Extended operation range (inlet water temperature) down to -10°C in heating
- High heating efficiency at low water entering temperatures (eg. 3.44 COP at -10°C entering water temperature for an 8HP unit)
- Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping
- Simultaneous cooling and heating operation from one system
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Heat recovery systems offer the highest comfort, including individual change-over of each BS box without disruption of other BS boxes
- Wide range of indoor units: 15 different models in a total of 76 variations
- Compact design (stacked configuration possible)
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-iF

Heat recovery
Heating & Cooling

Outdoor unit					**RWEYQ8PR**	**RWEYQ10PR**
Capacity range				HP	8	10
Cooling capacity	Nom.			kW	22.4	26.1
Heating capacity	Nom.			kW	25.0	31.5
Power input - 50Hz	Cooling	Nom.		kW	4.58	6.30
	Heating	Nom.		kW	4.30	6.20
EER					4.89	4.14
COP					5.81	5.08
Maximum number of connectable indoor units					17	21
Indoor index connection	Min.				100	125
	Nom.				200	250
	Max.				200	250
Dimensions	Unit	HeightxWidthxDepth		mm	1,000x780x550	
Weight	Unit			kg	149	150
Sound power level	Cooling	Nom.		dBA	-	
Sound pressure level	Cooling	Nom.		dBA	50	51
Operation range	Inlet water temperature	Cooling	Min.~Max.	°CDB	6~45	
		Heating	Min.~Max.	°CWB	-10~45	
Refrigerant	Type				R-410A	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	19.1 (1)	22.2 (1)
	Discharge gas	OD		mm	15.9 (2) / 19.1 (3)	19.1 (2) / 22.2 (3)
	Water	Inlet/Outlet			PT1 1/4B internal thread/PT1 1/4B internal thread	
	Piping length	OU - IU	Max.	m	120	
	Total piping length	System	Actual	m	300	
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

With air conditioning, you treat the air in a room to obtain an ideal temperature, purity, ventilation and humidity. Air conditioning does much more than just cool the space you live and work in. Enjoy perfect Daikin comfort all year round.

AIR CONDITIONING

RESIDENTIAL APPLICATIONS - SPLIT

For more information on Options & Control Systems, please refer to page 326 of this catalogue.

Products overview - Split

Indoor units

Pair & multi application

Type	Model	Product name	
Wall mounted	Ururu Sarara	FTXR-E [1]	
	Daikin Emura	FTXG-JA/W	
	Wall mounted unit	CTXS-K [2]	
	Wall mounted unit	FTXS-K	
	Wall mounted unit	FTXS-G	
	Wall mounted unit	FTX-JV/GV [3]	
Ceiling mounted cassette	Slim concealed ceiling unit	FDXS-F	
Floor standing	Nexura - floor standing unit with radiant heat panel	FVXG-K	
	Floor standing unit	FVXS-F	
Flexi type	Flexi type unit	FLXS-B [4]	

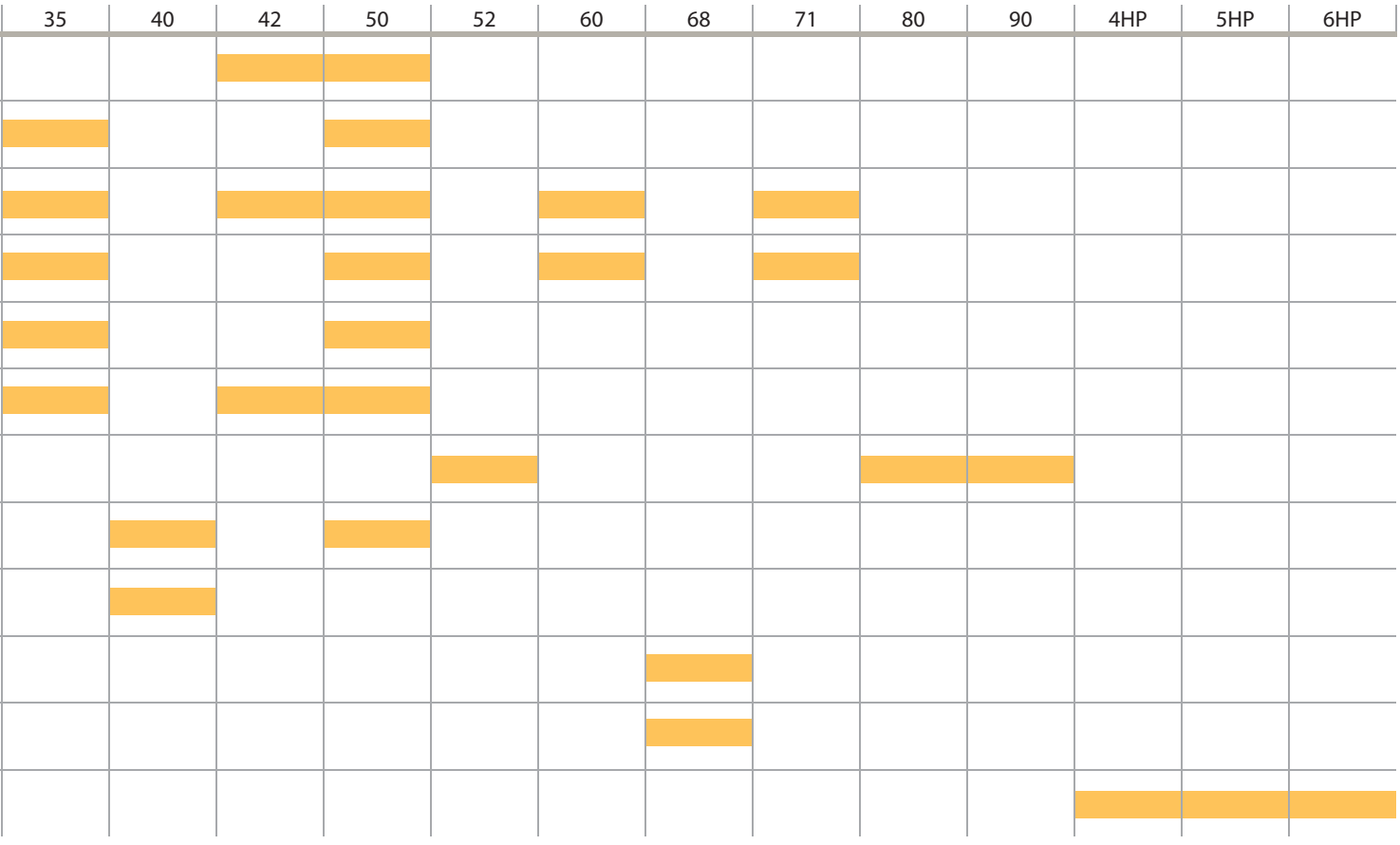
1) These indoor units can only be used in pair application
2) These indoor units can only be connected to multi outdoor units, pair application is not possible
3) 50,60,71 capacity classes cannot be connected to multi outdoor units
4) 60 capacity class is only connectable to multi outdoor units, pair application is not possible

Outdoor units

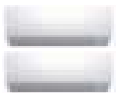
Pair & multi application

Type	Model	Product name		20	25	28
Air cooled	Pair heat pump	RXR-E				
		RXG-K				
		RXS-K/F				
		RX-JV/GV				
		RXLG-K				
		RXL-K/J				
Air cooled	Multi heat pump	MXS-E (3/4/5 port)				
		MXS-H (2 port)				
		MXS-K (3 port)				
		MXS-G (3 port)				
		MXS-F (4 port)				
		RXYSQ-P8V1 VRV III-S				


15
20
25
28
35
42
50
60
71


35
40
42
50
52
60
68
71
80
90
4HP
5HP
6HP

Benefits overview - Split

			Wall mou		
			FTXR-E	FTXG-J	FTXS-K / CTXS-K
					
We care icons		Inverter technology	✓	✓	✓
		Econo mode		✓	✓
		2 area intelligent eye			✓(1)
		Movement sensor		✓	✓(2)
		Energy saving during operation standby		✓	✓
		Home leave operation	✓		
		Night set mode	✓	✓	✓
		Fan only		✓	✓
Comfort		Comfort mode	✓	✓	✓
		Powerful mode	✓	✓	✓
		Auto cooling-heating changeover	✓	✓	✓
		Whisper quiet	✓	✓	✓
		Radiant heat			
		Indoor unit silent operation	✓	✓	✓
		Comfortable sleeping mode	✓		
		Outdoor unit silent operation		✓	✓
		Night quiet mode (cooling only)		RXG-K	
Air flow	3-D	3-D Air flow	✓		✓(1)
		Vertical auto swing	✓	✓	✓
		Horizontal auto swing	✓		✓(1)
		Auto fan speed	✓	✓	✓
		Fan speed steps	5	5	5
Humidity control		Ururu - humidification	✓		
		Sarara - dehumidification	✓		
		Dry programme		✓	✓
Air treatment		Flash streamer	✓		
		Titanium photocatalytic air purification filter	✓	✓	✓
		Photocatalytic deodorising filter			
		Air filter			
Remote control & timer		Online controller	✓	✓	✓(1)
		Weekly timer		✓	✓
		24 Hour timer	✓	✓	✓
		Infrared remote control	✓	✓	✓
		Wired remote control		✓	✓
		Centralised control	✓	✓	✓
Other funtions		Auto-restart	✓	✓	✓
		Self-diagnosis	✓	✓	✓
		Multi model application		✓	✓
		VRV for residential application		✓	✓

(1) FTXS35,42,50K only
(2) FTXS20,25K and CTXS15,35K only

unted unit			Concealed ceiling unit	Floor standing unit		Flexi type unit
FTXS-G	FTX-JV	FTX-GV	FDXS-F	FVXG-K	FVXS-F	FLXS-B
						
✓	✓	✓	✓	✓	✓	✓
✓	✓			✓	✓	
✓		✓				
	✓					
		✓				✓
✓	✓	✓		✓	✓	
✓	✓	✓		✓	✓	✓
✓	✓					
✓	✓	✓		✓	✓	✓
✓	✓	✓		✓	✓	✓
				✓	✓	✓
				✓		
✓	✓	✓		✓	✓	✓
✓	✓	✓		✓	✓	✓
RXS-J		RX-GV		RXG-K	RXS-K	RXS-K
✓	✓	✓		✓	✓	✓
✓	✓	✓				
✓	✓	✓		✓	✓	✓
5	5	5	3	5	5	5
✓	✓	✓		✓	✓	✓
✓	✓	✓		✓	✓	
						✓
						✓
✓		✓		✓	✓	✓
✓	✓			✓	✓	
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✓	✓	✓		✓	✓	✓
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✓	✓	✓		✓	✓	✓
✓	✓			✓	✓	✓
✓				✓	✓	✓

to be confirmed

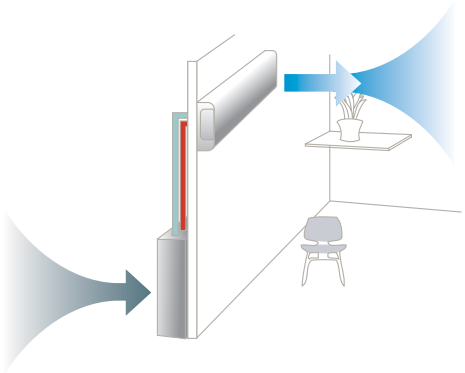
Ururu Sarara

A UNIQUE COMBINATION OF HUMIDIFICATION, DEHUMIDIFICATION, VENTILATION AND AIR PURIFICATION

Good temperature control is not all that is needed for a comfortable indoor climate. Precision control of humidity and ventilation of the room is essential. Thanks to the Ururu Sarara, you can humidify, dehumidify, ventilate and purify. The unit is fitted with filters that also filter dust, pollen and smoke. You can also adjust the air purification to meet your specific needs. Thanks to the ventilation system, contaminated indoor air in a space is replaced with fresh outdoor air.

flash streamer ONLY BY DAIKIN

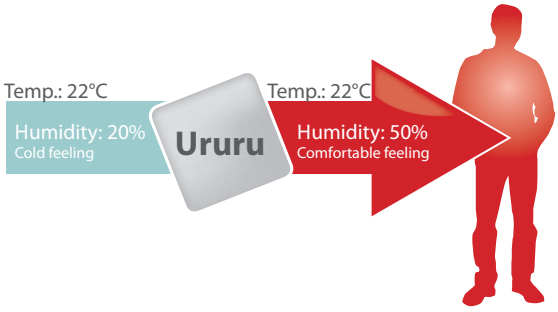
Good Design Award



VENTILATION & HUMIDITY CONTROL - HEATING & COOLING

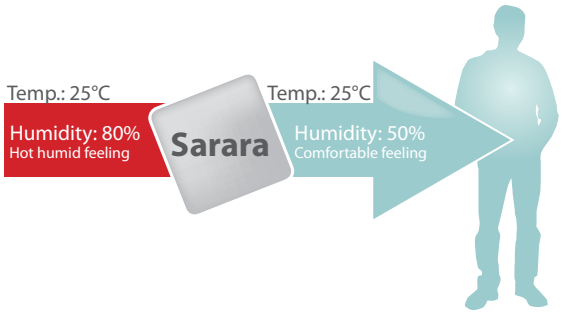
URURU HUMIDIFICATION: PLEASANT, EVEN DURING HEATING

The Ururu humidification system absorbs moisture from the outdoor air and transports it to the indoor unit, quickly and efficiently humidifying the room. Thanks to the perfect combination of humidification and air conditioning, your room heats evenly.



SARARA DEHUMIDIFICATION: FEEL THE DIFFERENCE!

When humidity is too high, the Sarara dehumidication system ensures that it is lowered without changing the room temperature. That is ideal for you, because lower humidity means you feel more comfortable.



- The ideal humidity
- Comfortable air flow
- Powerful air purification
- Stylish design (good design award)
- Energy saving and high efficiency: one unit of energy is converted into more than five units of energy for cooling or heating

FTXR-E

RXR-E

ARC447A

Ururu Sarara

- URURU humidification: maintains a comfortable humidity level without any separate water supply
- SARARA dehumidification: maintains a comfortable and fresh indoor environment by removing moisture from the air without lowering the temperature
- Powerful ventilation refreshes the room within 2 hours
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Good design award: unique evaluation criterion for industrial design in Japan
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen

Heating & Cooling

Indoor unit					FTXR28E	FTXR42E	FTXR50E
Cooling capacity	Min./Nom./Max.			kW	1.55/2.8/3.6	1.55/4.2/4.60	1.55/5.0/5.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.6/5.00	1.30/5.1/5.6	1.30/6.0/6.20
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	A	
		Pdesign		kW	2.80	4.20	5.00
		SEER			4.91	5.46	5.22
		Annual energy consumption		kWh	200	269	335
	Heating (Average climate)	Energy label			A++	A+	
		Pdesign		kW	4.00	4.90	5.60
		SCOP			5.08	4.50	4.27
		Annual energy consumption		kWh	1,101	1,523	1,834
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				5.00	4.00	3.42
	COP				5.14	4.32	3.97
	Annual energy consumption			kWh	280	525	730
	Energy label	Cooling/Heating			A/A		
Casing	Colour				White		
Dimensions	Unit	HeightxWidthxDepth		mm	305x890x209		
Weight	Unit			kg	14		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	11.1/8.8/6.5/5.7	12.4/9.6/6.8/6.0	13.3/10.3/7.3/6.5
	Heating	High/Nom./Low/Silent operation		m^3/min	12.4/9.8/7.3/6.5	12.9/10.2/7.7/6.8	14.0/11.1/8.3/7.3
Sound power level	Cooling	Nom.		dBA	55	58	60
	Heating	Nom.		dBA	57	58	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	39/33/26/23	42/35/27/24	44/37/29/26
	Heating	High/Nom./Low/Silent operation		dBA	41/35/28/25	42/36/29/26	44/38/31/28
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.52		
	Drain	OD		mm	18		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					RXR28E	RXR42E	RXR50E
Dimensions	Unit	HeightxWidthxDepth		mm	693x795x285	693x795x285	693x795x285
Weight	Unit			kg	48	48	48
Fan - Air flow rate	Cooling	Nom.		m^3/min	33.8	36.2	36.2
	Heating	Nom.		m^3/min	31.4	31.9	34.3
Sound power level	Cooling	Nom.		dBA	59	61	62
Sound pressure level	Cooling	Nom.		dBA	46	48	48
	Heating	Nom.		dBA	46	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~43	-10~43	-10~43
	Heating	Ambient	Min.~Max.	°CWB	-20~18	-20~18	-20~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	10	10	10
	Level difference	IU - OU	Max.	m	8	8	8
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	16

(1) EER/COP according to Eurovent 2012

Daikin Emura

FORM.
FUNCTION.
REDEFINED.

The Daikin Emura wall mounted air conditioning unit is a remarkable blend of iconic design and engineering excellence. Its ultra-thin profile and elegant finish in matt crystal white or brushed aluminium mean it will complement any interior. And those good looks certainly don't compromise its performance. Engineered in Europe for European climates, you can rely on the Daikin Emura to deliver pleasant temperatures, whatever the season.

It is designed to be mounted high on the wall, for optimum air distribution and whisper-quiet operation. And it is as easy to operate as it is to install and maintain. Just as importantly, its energy efficient rating will make it as attractive to the cost-conscious as the style-conscious. The Daikin Emura represents a perfect marriage of style and substance, of form and function, of intelligent heating and efficient cooling.

iF product design award 2010

GOOD DESIGN

reddot design award honourable mention 2010

Designpreis Deutschland 2011 NOMINEE

FTXG-JW/A / RXG-K

FTXG-JW
FTXG-JA

RXG-K

ARC466A1

DAIKIN emura

- Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or brushed aluminium
- Good design award: unique evaluation criterion for industrial design in Japan
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen

Heating & Cooling

Indoor unit					FTXG25JW	FTXG35JW	FTXG50JW	FTXG25JA	FTXG35JA	FTXG50JA
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0 /5.3	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0 /5.3
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8 /6.5	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8 /6.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A	A++		A
		Pdesign		kW	2.50	3.50	5.00	2.50	3.50	5.00
		SEER			6.53	6.51	5.45	6.53	6.51	5.45
		Annual energy consumption		kWh	134	188	321	134	188	321
	Heating (Average climate)	Energy label			A+		A	A+		A
		Pdesign		kW	2.80	3.30	4.60	2.80	3.30	4.60
		SCOP			4.34	4.23	3.87	4.34	4.23	3.87
		Annual energy consumption		kWh	903	1,091	1,660	903	1,091	1,660
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.46	3.93	3.21	4.46	3.93	3.21
	COP				4.36	4.04	3.63	4.36	4.04	3.63
	Annual energy consumption			kWh	280	445	780	280	445	780
	Energy label	Cooling/Heating			A/A					
Casing	Colour				Matt crystal white			Brushed aluminium		
Dimensions	Unit	HeightxWidthxDepth		mm	295x915x155					
Weight	Unit			kg	11					
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7
	Heating	High/Nom.		m^3/min	9.6/7.9	10.8/8.6	11.4/9.8	9.6/7.9	10.8/8.6	11.4/9.8
Sound power level	Cooling	High		dBA	54	58	60	54	58	60
	Heating	High		dBA	55	58	60	55	58	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/25/22	42/34/26/23	44/40/35/32	38/32/25/22	42/34/26/23	44/40/35/32
	Heating	High/Nom./Low/Silent operation		dBA	39/34/28/25	42/36/29/26	44/40/35/32	39/34/28/25	42/36/29/26	44/40/35/32
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52		12.7	9.52		12.7
	Drain	OD		mm	16 or 18		18.0	16 or 18		18.0
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

Outdoor unit					RXG25K	RXG35K	RXG50K	RXG25K	RXG35K	RXG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48	34	34	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	50.9/48.9	33.5/30.1	36.0/30.1	50.9/48.9
	Heating	High/Super low		m^3/min	30.2/25.6	30.2/25.6	45.0/43.1	30.2/25.6	30.2/25.6	45.0/43.1
Sound power level	Cooling	High		dBA	62	64	63	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	16	16	20

(1) EER/COP according to Eurovent 2012

Optimal design and comfort for the whole home

Integrated design

- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish.
- New remote controller design, in the same high quality matt white finish to create a perfect match with the indoor unit.

Top performance

The FTXS-K series delivers top performance with seasonal energy efficiency ratings up to A++ and they are equipped with a weekly timer and intelligent eye to generate further energy savings. The weekly timer allows you to programme your unit so that it best suits your needs, whereas the intelligent eye detects the presence of people in the room and activates the economy mode when no one is there.

The right indoor for the right room

We have a full range of wall units to provide optimal design and comfort in any room in your home.

Our small wall mounted units (CTXS15,35K and FTXS20,25K) are optimised for the modern bedroom.

- Recognising the trend for less spacious bedrooms and better insulation, we extended our range with the 15 class to deliver exactly the right comfort in smaller rooms.
- In general, silence is even more important in bedrooms than in living areas: our small wall mounted series go almost unnoticed with operating sound levels as low as 19dBA

Our larger wall mounted units (FTXS35, 42, 50K) deliver perfect comfort to your living area.

- The new discharge air pattern - using the `Coanda effect' - provides a greater airflow length ensuring perfect comfort in every corner of your living room.
- The two-area intelligent eye detects where people are located in the room and can project the airflow away from the occupants to avoid direct draught.
- To optimize your comfort even further the new wall mounted series are whisper quiet.

FTXS20-25K//CTXS15-35K

RXS20-42K

ARC466A1

- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- 2 area intelligent eye: 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. (FTXS35,42,50K)
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (FTXS35,42,50,60,71)
- Improved air discharge pattern, using the Coanda effect
- For latest information, see page 349

Heating & Cooling

Indoor unit				CTXS15K	CTXS35K	FTXS20K	FTXS25K	*FTXS35K	*FTXS42K	*FTXS50K	FTXS60G	FTXS71G
Cooling capacity	Min./Nom./Max.		kW	Only available in multi model application		1.3/2.0/2.8	1.3/2.5/3.2	1.4/3.5/4.0	1.7/4.2/5.0	1.7/5.0/5.3	1.7/6.0/6.7	2.3/7.1/8.5
Heating capacity	Min./Nom./Max.		kW			1.3/2.5/4.3	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5	1.7/7.0/8.0	2.3/8.2/10.2
Seasonal efficiency (according to EN14825)	Cooling	Energy label				A+	A++	A++	A++	A++	A	A
		Pdesign	kW			2.00	2.50	3.5	4.2	5	6.00	7.10
		SEER				5.71	6.37	6.89	6.20	6.35	5.35	5.23
		Annual energy consumption	kWh			123	137	178	237	276	393	475
	Heating (Average climate)	Energy label				A++	A++	A++	A+	A+	A	A
		Pdesign	kW			2.30	2.50	3.60	4.00	4.60	4.80	6.50
		SCOP				4.75	4.63	5.03	4.10	4.45	3.75	3.59
		Annual energy consumption	kWh			678	755	1,002	1,366	1,447	1,790	2,529
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER					4.65	4.39	4.27	3.44	3.47	3.02	3.02
	COP					4.55	4.52	4.82	4.39	4.53	3.43	3.22
	Annual energy consumption		kWh			215	285	410	610	720	995	1,175
	Energy label	Cooling/Heating				A/A	A/A	A/A	A/A	A/A	B/B	B/C
Casing	Colour			White		White	White	White	White	White	White	White
Dimensions	Unit	HeightxWidthxDepth	mm	289x780x215		289x780x215	289x780x215	298x900x215	298x900x215	298x900x215	290x1,050x250	290x1,050x250
Weight	Unit		kg	8		8	8	16	16	16	12	12
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m^3/min	7.9/6.3/4.7/3.9	9.0/7.5/6.0/4.3	8.8/6.7/4.7/3.9	9.1/7.0/5.0/3.9	12.0/-/-/-	12.0/-/-/-	12.3/-/-/-	16.0/13.5/11.3/10.1	17.2/14.5/11.5/10.5
	Heating	High/Nom.	m^3/min	9.2/7.2/5.2/3.9	10.1/8.1/6.3/4.3	9.5/7.8	10.0/8.0	12.9/-	12.9/-	13.3/-	17.2/14.9	19.5/16.7
Sound power level	Cooling	High/Nom.	dBA	53	58	-/56	-/57	59/-	59/-	60/-	61/-	62/-
	Heating	High/Nom.	dBA	54	57	-/56	-/57	59/-	59/-	60/-	60/-	62/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	37/31/25/21	42/35/28/21	40/32/24/19	41/33/25/19	45/37/29/19	45/39/33/21	46/40/34/23	45/41/36/33	46/42/37/34
	Heating	High/Nom./Low/Silent operation	dBA	38/33/28/21	41/36/30/21	40/34/27/19	41/34/27/19	45/39/29/19	45/39/33/22	47/40/34/24	44/40/35/32	46/42/37/34
Piping connections	Liquid	OD	mm	6,35		6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas	OD	mm	9,52		9.5	9.5	9.5	9.5	12.7	12.7	15.9
	Drain	OD	mm	18,0		18.0	18.0	-	-	-	18.0	18.0
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240

Outdoor unit					RXS20K	RXS25K	*RXS35K	*RXS42K	*RXS50K	RXS60F	RXS71F
Dimensions	Unit	HeightxWidthxDepth	mm	Only available in multi model application	550x765x285	550x765x285	550x765x285	550x765x285	735x825x300	735x825x300	770x900x320
Weight	Unit		kg		34	34	34	39	48	48	71
Fan - Air flow rate	Cooling	High/Low	m^3/min		33.5/30.1	33.5/30.1	-/-	-/-	-/-	50.9/42.4	54.5/57.1
	Heating	High/Low	m^3/min		28.3/25.6	28.3/25.6	-/-	-/-	-/-	46.3/42.4	52.5/46.0
Sound power level	Cooling	Nom./High	dBA		-/61	-/61	-/63	-/63	-/63	63/-	66/-
Sound pressure level	Cooling	High/Low/Silent operation	dBA		46/-/43	46/-/43	48/44/-	48/44/-	48/44/-	49/46/-	52/49/-
	Heating	High/Low/Silent operation	dBA		47/-/44	47/-/44	48/45/-	48/45/-	48/45/-	49/46/-	52/49/-
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient Min.~Max.	°CWB		-15~18	-15~18	-15~20	-15~20	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU Max.	m		20	20	20	20	30	30	30
	Level difference	IU - OU Max.	m		15	15	15	15	20	20	20
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)		A		10	10	-	-	-	20	20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTX-JV

RX-JV

ARC433A8

SEASONAL EFFICIENCY

- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. (JV range only)
- Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body (JV range only)
- Whisper quiet operation: down to 22dBA sound pressure level
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (50 till 71 class only)

Heating & Cooling

Indoor unit					FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0 /2.6	1.3/2.5 /3.0	1.3/3.3 /3.8	1.7/5.0 /6.0	1.7/6.0 /6.7	2.3/7.1 /8.5
Heating capacity	Min./Nom./Max.			kW	1.3/2.5 /3.5	1.3/2.8 /4.0	1.3/3.5 /4.8	1.7/5.8 /7.7	1.7/7.0 /8.0	2.3/8.2 /10.2
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+				A	B
		Pdesign		kW	2.00	2.50	3.30	5.00	6.00	7.10
		SEER			5.63		5.66	5.63	5.10	4.93
		Annual energy consumption		kWh	124	155	204	311	412	504
	Heating (Average climate)	Energy label			A++	A+			A	
		Pdesign		kW	2.20	2.40	2.80	4.60	4.80	6.50
		SCOP			4.67	4.50	4.14	4.08	3.74	3.45
		Annual energy consumption		kWh	659	746	945	1,577	1,795	2,634
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.64	3.42	3.37	3.23	3.02	
	COP				4.24	4.06	3.76	3.63	3.43	3.22
	Annual energy consumption			kWh	275	365	490	775	995	1,175
	Energy label	Cooling/Heating			A/A				B/B	B/C
Casing	Colour				White					
Dimensions	Unit	HeightxWidthxDepth		mm	283x770x198			290x1,050x238		
Weight	Unit			kg	7			12		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	9.1/7.4/5.9/4.7	9.2/7.6/6.0/4.8	9.3/7.7/6.1/4.9	14.7/12.4/10.3/9.5	16.2/13.6/11.4/10.2	17.4/14.6/11.6/10.6
	Heating	High/Nom./Low/Silent operation		m^3/min	9.4/7.8/6.3/5.5	9.7/8.0/6.3/5.5	10.1/8.4/6.7/5.7	16.1/13.9/11.5/10.2	17.4/15.1/12.7/11.4	19.7/16.9/14.3/12.7
Sound power level	Cooling	High		dBA	55	56	57	59	61	62
	Heating	High		dBA	55	56	57	58	60	62
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	39/33/25/22	40/33/26/22	41/34/27/23	43/39/34/31	45/41/36/33	46/42/37/34
	Heating	High/Nom./Low/Silent operation		dBA	39/34/28/25	40/34/28/25	41/35/29/26	42/38/33/30	44/40/35/32	46/42/37/34
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52			12.7		15.9
	Drain	OD		mm	18					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

Outdoor unit					RX20JV	RX25JV	RX35JV	RX50GV	RX60GV	RX71GV
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275	550x658x275	550x658x275	735x825x300	735x825x300	770x900x320
Weight	Unit			kg	28	28	30	48	48	71
Fan - Air flow rate	Cooling	High/Low		m^3/min	29.2/-	29.2/-	27.60/-	48.9/41.7	50.9/42.4	54.5/46.0
	Heating	High/Low		m^3/min	26.2/-	26.2/-	24.5/-	45.0/41.7	46.3/42.4	46.0/46.0
Sound power level	Cooling	Nom.		dBA	60	60	62	63	63	65
Sound pressure level	Cooling	High/Low		dBA	46/-	46/-	48/-	47/44	49/46	52/49
	Heating	High/Low		dBA	47/-	47/-	48/-	48/45	49/46	52/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20	-15~18	-15~18	-15~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	15	15	15	30	30	30
	Level difference	IU - OU	Max.	m	12	12	12	20	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	16	20	20	20

(1) EER/COP according to Eurovent 2012

FDXS-F

RXS25-35K

BRC1E52A

SEASONAL EFFICIENCY

- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Reduced fan motor consumption thanks to the DC fan motor.
- 3 fan speeds can be freely selected
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FDXS25F	*FDXS35F	*FDXS50F	*FDXS60F
Cooling capacity	Min./Nom./Max.			kW	-/2.4/-	-/3.4/-	-/5.0/-	-/6.0/-
Heating capacity	Min./Nom./Max.			kW	-/3.2/-	-/4.0/-	-/5.8/-	-/7.0/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	B	A	A
		Pdesign		kW	2.4	3.4	5.0	6.0
		SEER			5.08	4.82	5.12	5.50
		Annual energy consumption		kWh	165	247	342	382
	Heating (Average climate)	Energy label			A+	A	A	A
		Pdesign		kW	2.6	2.9	3.5	4.0
		SCOP			4.19	3.81	3.41	3.51
		Annual energy consumption		kWh	869	1,066	1,438	1,596
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.65	3.28	3.18	2.96
	COP				3.69	3.56	3.17	3.17
	Annual energy consumption			kWh	329	518	786	1,014
	Energy label	Cooling/Heating			A/A	A/B	B/D	C/D
Casing	Colour				Unpainted	Unpainted	Unpainted	Unpainted
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620	200x750x620	200x950x620	200x1,150x620
Weight	Unit			kg	to be confirmed	to be confirmed	to be confirmed	to be confirmed
Sound power level	Cooling	High		dBA	53	53	55	56
	Heating	High		dBA	53	53	55	56
Sound pressure level	Cooling	High/Low		dBA	35/22	35/23	37/28	38/30
	Heating	High/Low		dBA	35/22	35/23	37/28	38/30
Piping connections	Liquid	OD		mm	6.35	6.35	6.35	6.35
	Gas	OD		mm	9.5	9.5	12.7	12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

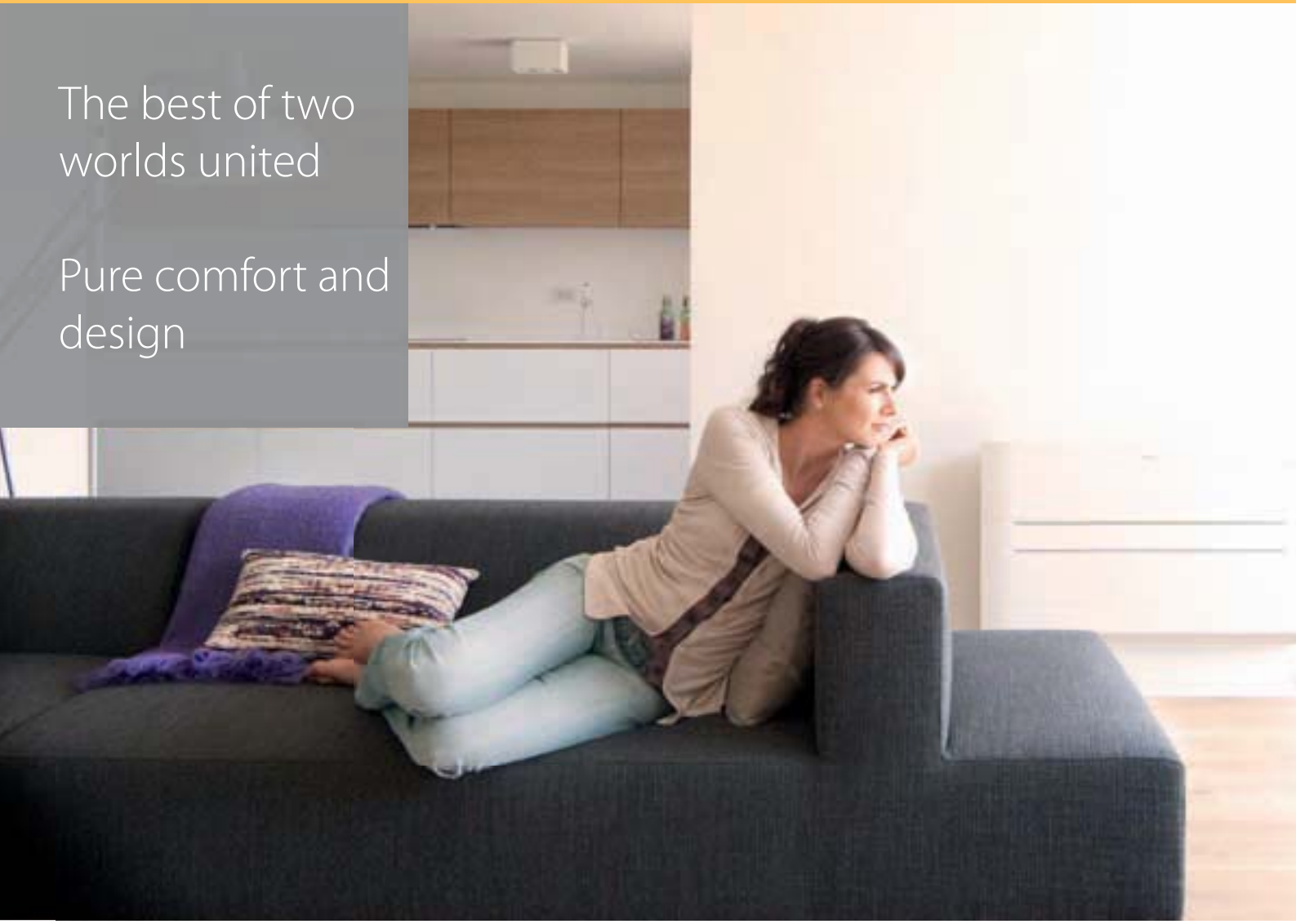
Outdoor unit					RXS25K	*RXS35K	*RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	34	48	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	33.5/30.1	-/-	-/-	50.9/42.4
	Heating	High/Low		m^3/min	28.3/25.6	-/-	-/-	46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/61	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/-/43	48/44/-	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	47/-/44	48/45/-	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	30
	Level difference	IU - OU	Max.	m	15	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	10	-	-	20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

The best of two worlds united

Pure comfort and design



COMFORT IS KEY

Nexura makes your world a comfortable one. The coolness of a summer breeze or the cosiness of an extra heat source brings a feeling of well-being to your living space all year round. Its unobtrusive yet stylish design with a front panel that radiates additional heat, its low noise level and reduced air flow turn your room into a haven.

FVXG-K / RXG-K

Floor standing unit with radiant heat panel

FVXG-K


RXG25-35K


ARC466A2

nexura

- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Can be installed against a wall or recessed

UNIQUE TECHNOLOGY

Heating & Cooling

Indoor unit					FVXG25K	FVXG35K	FVXG50K
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0 /5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.7/5.8 /8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A
		Pdesign		kW	2.50	3.50	5.00
		SEER			6.46	6.33	5.31
		Annual energy consumption		kWh	135	194	330
	Heating (Average climate)	Energy label			A+	A	A+
		Pdesign		kW	2.80	3.10	4.60
		SCOP			4.56	3.93	4.13
		Annual energy consumption		kWh	858	1,103	1,558
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.55	3.68	3.29
	COP				4.36	3.72	3.67
	Annual energy consumption			kWh	275	475	760
	Energy label	Cooling/Heating			A/A		
Casing	Colour				Fresh white(6.5Y 9.5/0.5)		
Dimensions	Unit	HeightxWidthxDepth		mm	600x950x215		
Weight	Unit			kg	22		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.9/7.0/5.3/4.5	9.1/7.2/5.3/4.5	10.6/8.9/7.3/6.0
	Heating	High/Nom.		m^3/min	9.9/7.8	10.2/8.0	12.2/10.0
Sound power level	Cooling	Nom.		dBA	54	55	56
	Heating	Nom.		dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	H/N/L/Silent operation/Radiant heat		dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
	Drain	OD		mm	18		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					RXG25K	RXG35K	RXG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	50.9/48.9
	Heating	High/Super low		m^3/min	30.2/25.6	30.2/25.6	45.0/43.1
Sound power level	Cooling	High		dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

(1) EER/COP according to Eurovent 2012

FVXS-F

RXS-K

ARC452A1

- Its low height enables the unit to fit perfectly beneath a window
- Can be installed against a wall or recessed
- Whisper quiet operation: down to 23dBA sound pressure level
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- For latest information, see page 349

Heating & Cooling

Indoor unit					FVXS25F	FVXS35F	FVXS50F
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5/3.0	1.4/3.50/3.8	1.4/5.0/5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4/4.5	1.4/4.50/5.0	1.4/5.8/8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B		A
		Pdesign		kW	2.50	3.50	5.00
		SEER			4.71	4.93	5.53
		Annual energy consumption		kWh	186	248	317
	Heating (Average climate)	Energy label			A+	A	
		Pdesign		kW	2.60	2.90	4.80
		SCOP			4.38	3.83	3.62
		Annual energy consumption		kWh	830	1,060	1,853
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.39	3.43	3.23
	COP				4.30	3.69	3.63
	Annual energy consumption			kWh	285	510	775
	Energy label	Cooling/Heating			A/A		
Casing	Colour				White		
Dimensions	Unit	HeightxWidthxDepth		mm	600x700x210		
Weight	Unit			kg	14		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.2/6.5/4.8/4.1	8.5/6.7/4.9/4.5	10.7/9.2/7.8/6.6
	Heating	High/Nom./Low/Silent operation		m^3/min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High/Nom.		dBA	-/54	55/-	56/-
	Heating	High/Nom.		dBA	-/54	55/-	57/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
	Drain	OD		mm	20		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					RXS25K	*RXS35K	*RXS50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	33.5/30.1	-/-	-/-
	Heating	High/Low		m^3/min	28.3/25.6	-/-	-/-
Sound power level	Cooling	High		dBA	61	63	63
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/-/43	48/44/-	48/44/-
	Heating	High/Low/Silent operation		dBA	47/-/44	48/45/-	48/45/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	10	-	-

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FLXS-B

RXS25-35K

ARC433A6

SEASONAL EFFICIENCY

- Can fit on either ceiling or lower wall; its low height enables the unit to fit beneath a window
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Whisper quiet operation: down to 28dBA sound pressure level
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- For latest information, see page 349

Heating & Cooling

Indoor unit					FLXS25B	FLXS35B	FLXS50B	FLXS60B
Cooling capacity	Min./Nom./Max.			kW	1.2/2.5 /3.0	1.2/3.5 /3.8	0.9/4.9 /5.3	Only available in multi model application
Heating capacity	Min./Nom./Max.			kW	1.2/3.4 /4.5	1.4/4.0 /5.0	0.9/6.1 /7.5	
Seasonal efficiency (according to EN14825)	Cooling	Energy label			C		B	
		Pdesign		kW	2.50	3.50	4.90	
		SEER			4.46	4.49	5.09	
		Annual energy consumption		kWh	196	273	337	
	Heating (Average climate)	Energy label			A			
		Pdesign		kW	2.80	2.90	4.50	
		SCOP			3.63	3.42	3.68	
		Annual energy consumption		kWh	1,079	1,185	1,708	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.85	3.10	2.85	
	COP				3.47	3.25	3.35	
	Annual energy consumption			kWh	325	565	860	
	Energy label	Cooling/Heating			A/B	B/C	C/C	
Casing	Colour				Almond white			
Dimensions	Unit	HeightxWidthxDepth		mm	490x1,050x200			
Weight	Unit			kg	16		17	
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	7.6/6.8/6.0/5.2	8.6/7.6/6.6/5.6	11.4/10.0/8.5/7.5	12.0/10.7/9.3/8.3
	Heating	High/Nom./Low/Silent operation		m^3/min	9.2/8.3/7.4/6.6	9.8/8.9/8.0/7.2	12.1/9.8/7.5/6.8	12.8/10.6/8.4/7.5
Sound power level	Cooling	High		dBA	53	54	63	64
	Heating	High		dBA	53	55	62	63
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	37/34/31/28	38/35/32/29	47/43/39/36	48/45/41/39
	Heating	High/Nom./Low/Silent operation		dBA	37/34/31/29	39/36/33/30	46/41/35/33	47/42/37/34
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
	Drain	OD		mm	18			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220-230			

Outdoor unit					RXS25K	*RXS35K	*RXS50K	
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	Only available in multi model application
Weight	Unit			kg	34	34	48	
Fan - Air flow rate	Cooling	High/Low		m^3/min	33.5/30.1	-/-	-/-	
	Heating	High/Low		m^3/min	28.3/25.6	-/-	-/-	
Sound power level	Cooling	High		dBA	61	63	63	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/-/43	48/44/-	48/44/-	
	Heating	High/Low/Silent operation		dBA	47/-/44	48/45/-	48/45/-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~20	-15~20	
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	
	Level difference	IU - OU	Max.	m	15	15	20	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	10	-	-	

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTXG-JW/A / RXLG-K

Wall mounted unit
Designed for colder climates

FTXG-JW
FTXG-JA

RXLG25-35K

ARC466A1

DAIKIN emura

- Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or brushed aluinium
- Good design award: unique evaluation criterion for industrial design in Japan
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- For latest information, see page 349

product design award 2010
GOOD DESIGN
reddot design award honourable mention 2010
Designpreis Deutschland 2011 NOMINEE

down to -25°C

Heating & Cooling

Indoor unit					FTXG25JW	FTXG35JW	FTXG50JW	FTXG25JA	FTXG35JA	FTXG50JA
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0/5.3	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8/6.5	1.3/3.4 /4.5	1.4/4.0 /5.0	1.7/5.8/6.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A	A++		A
		Pdesign		kW	2.50	3.50	5.00	2.50	3.50	5.00
		SEER			6.53	6.51	5.45	6.53	6.51	5.45
		Annual energy consumption		kWh	134	188	321	134	188	321
	Heating (Average climate)	Energy label			A+	A+	A	A+	A+	A
		Pdesign		kW	2.80	3.30	4.60	2.80	3.30	4.60
		SCOP			4.25	4.16	3.83	4.25	4.16	3.83
		Annual energy consumption		kWh	923	1,112	1,682	923	1,112	1,682
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.46	3.93	3.21	4.46	3.93	3.21
	COP				4.36	4.04	3.6	4.36	4.04	3.63
	Annual energy consumption			kWh	280	445	780	280	445	779
	Energy label	Cooling/Heating			A/A					
Casing	Colour				Matt crystal white			Brushed aluminium		
Dimensions	Unit	HeightxWidthxDepth		mm	295x915x155					
Weight	Unit			kg	11					
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7	8.8/6.8/4.7/3.8	10.1/7.3/4.6/3.9	10.3/8.5/6.7/5.7
	Heating	High/Nom.		m^3/min	9.6/7.9	10.8/8.6	11.4/9.8	9.6/7.9	10.8/8.6	11.4/9.8
Sound power level	Cooling	High/Nom.		dBA	54/56	58/60	60/60	54/56	58/60	60/60
	Heating	High		dBA	55	58	60	55	58	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/25/22	42/34/26/23	44/40/35/32	38/32/25/22	42/34/26/23	44/40/35/32
	Heating	High/Nom./Low/Silent operation		dBA	39/34/28/25	42/36/29/26	44/40/35/32	39/34/28/25	42/36/29/26	44/40/35/32
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.5		12.7	9.52		12.7
	Drain	OD		mm	16 or 18		18	16 or 18		18
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240					

Outdoor unit					*RXLG25K	*RXLG35K	*RXLG50K	*RXLG25K	*RXLG35K	*RXLG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	11	34	34	11
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	to be confirmed	33.5/30.1	36.0/30.1	to be confirmed
	Heating	High/Super low		m^3/min	28.3/25.6	30.2/25.6	to be confirmed	28.3/25.6	30.2/25.6	to be confirmed
Sound power level	Cooling	Nom.		dBA	62	64	63	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed					

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FVXG-K/RXLG-K

Floor standing unit with radiant heat panel
Designed for colder climates

FVXG-K


RXLG-K


ARC466A2

nexura

- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- Can be installed against a wall or recessed
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit					FVXG25K	FVXG35K	FVXG50K
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.5/3.8	1.7/5.0/5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.7/5.8/8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A
		Pdesign		kW	2.50	3.50	5.00
		SEER			6.46	6.33	5.31
		Annual energy consumption		kWh	135	194	330
	Heating (Average climate)	Energy label			A+	A	A+
		Pdesign		kW	2.80	3.10	4.60
		SCOP			4.47	3.87	4.08
		Annual energy consumption		kWh	877	1,122	1,577
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.55	3.68	3.29 (1)
	COP				4.36	3.72	3.67 (1)
	Annual energy consumption			kWh	275	475	760
	Energy label	Cooling/Heating			A/A		
Casing	Colour				Fresh white (6.5Y 9.5/0.5)		
Dimensions	Unit	HeightxWidthxDepth		mm	600x950x215		
Weight	Unit			kg	22		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.9/7.0/5.3/4.5	9.1/7.2/5.3/4.5	10.6/8.9/7.3/6.0
	Heating	High/Nom.		m^3/min	9.9/7.8	10.2/8.0	12.2/10.0
Sound power level	Cooling	Nom.		dBA	52	52	58
	Heating	Nom.		dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	H/N/L/Silent operation/Radiant heat		dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					*RXLG25K	*RXLG35K	*RXLG50K
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	11
Fan - Air flow rate	Cooling	High/Super low		m^3/min	33.5/30.1	36.0/30.1	to be confirmed
	Heating	High/Super low		m^3/min	28.3/25.6	30.2/25.6	to be confirmed
Sound power level	Cooling	Nom.		dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation		dBA	46/43	48/44	48/44
	Heating	High/Silent operation		dBA	47/44	48/45	48/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46	10~46	10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-230-240	1~ / 50 / 220-230-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTXS-K/J / RXL-K/J

Wall mounted unit
Designed for colder climates

FTXS20-25K

RXL20-25K

ARC452A3

- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- 2 area intelligent eye: 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 (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (35,42,50 class)
- Extended operation range down to -25°C in heating
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit					*FTXS20K	*FTXS25K	*FTXS35J	*FTXS42J	*FTXS50J
Cooling capacity	Min./Nom./Max.			kW	1.3/2.0/2.8	1.3/2.5/3.2	1.4/3.5/4.0	1.7/4.2/5.0	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.			kW	1.3/2.5/4.3	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+	A++		A	
		Pdesign		kW	2.00	2.50	3.50	4.20	5.00
		SEER			5.71	6.37	6.43	5.47	5.30
		Annual energy consumption		kWh	123	137	190	269	330
	Heating (Average climate)	Energy label			A++	A+		A	
		Pdesign		kW	2.30	2.50	3.60	3.90	4.60
		SCOP			4.62	4.51	4.24	3.75	3.94
		Annual energy consumption		kWh	698	775	1,188	1,453	1,634
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.65	4.39	4.07	3.47	3.42
	COP				4.55	4.52	4.21	3.72	3.79
	Annual energy consumption			kWh	215	285	430	605	730
	Energy label	Cooling/Heating			A/A				
Casing	Colour				White				
Dimensions	Unit	HeightxWidthxDepth		mm	289x780x215		295x800x215		
Weight	Unit			kg	8		10		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.8/6.7/4.7/3.9	9.1/7.0/5.0/3.9	11.4/8.7/5.8/4.4	11.3/9.0/6.8/5.9	11.6/9.2/7.0/6.0
	Heating	High/Nom.		m^3/min	9.5/7.8	10.0/8.0	12.4/9.5	12.2/9.7	12.1/9.8
Sound power level	Cooling	Nom.		dBA	58	58	59		60
	Heating	Nom.		dBA	56	57	61		63
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	40/32/24/19	41/33/25/19	45/37/29/23	45/39/33/30	46/40/34/31
	Heating	High/Nom./Low/Silent operation		dBA	40/34/27/19	41/34/27/19	45/39/29/26	45/39/33/30	47/41/34/31
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5				12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				

Outdoor unit					*RXL20K	*RXL25K	*RXL35J	*RXL42J	*RXL50J
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	34	39	48
Sound power level	Cooling	Nom.		dBA	61	62	64	63	63
	Nom.			dBA	to be confirmed	to be confirmed	63	63	63
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/43/-	46/43/-	48/-/44	48/-/44	48/-/44
	Heating	High/Low/Silent operation		dBA	47/44/-	47/44/-	48/-/45	48/-/45	48/-/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	20	20	30
	Level difference	IU - OU	Max.	m	15	15	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FVXS-F / RXL-K/J

Floor standing unit
Designed for colder climates

FVXS-F


RXS-K


ARC452A1

- Its low height enables the unit to fit perfectly beneath a window
- Can be installed against a wall or recessed
- Whisper quiet operation: down to 23dBA sound pressure level
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Extended operation range down to -25°C in heating
- For latest information, see page 349

down to -25°C

Heating & Cooling

Indoor unit					FVXS25F	FVXS35F	FVXS50F
Cooling capacity	Min./Nom./Max.			kW	1.3/2.5 /3.0	1.4/3.50 /3.8	1.4/5.0 /5.6
Heating capacity	Min./Nom./Max.			kW	1.3/3.4 /4.5	1.4/4.50 /5.0	1.4/5.8 /8.1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	B	A
		Pdesign		kW	2.5	3.50	5.00
		SEER			4.71	4.93	5.53
		Annual energy consumption		kWh	186	248	317
	Heating (Average climate)	Energy label			A+	A	A
		Pdesign		kW	2.60	2.90	4.80
		SCOP			4.28	3.83	3.59
		Annual energy consumption		kWh	850	1,059	1,874
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.39	3.43	3.23
	COP				4.30	3.69	3.63
	Annual energy consumption			kWh	285	510	775
	Energy label	Cooling/Heating			A/A		
Casing	Colour				White		
Dimensions	Unit	HeightxWidthxDepth		mm	600x700x210		
Weight	Unit			kg	14		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	8.2/6.5/4.8/4.1	8.5/6.7/4.9/4.5	10.7/9.2/7.8/6.6
	Heating	High/Nom./Low/Silent operation		m^3/min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High/Nom.		dBA	-/52	55/52	56/60
	Heating	High/Nom.		dBA	-/54	55/-	57/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		12.7
	Drain	OD		mm	20		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					*RXL25K	*RXL35J	*RXL50J
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300
Weight	Unit			kg	34	34	48
Sound power level	Cooling	Nom.		dBA	62	64	63
	Nom.			dBA	to be confirmed	63	63
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/43/-	48/-/44	48/-/44
	Heating	High/Low/Silent operation		dBA	47/44/-	48/-/45	48/-/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-25~20	-25~20	-25~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30
	Level difference	IU - OU	Max.	m	15	15	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

Multi model applications

MXS

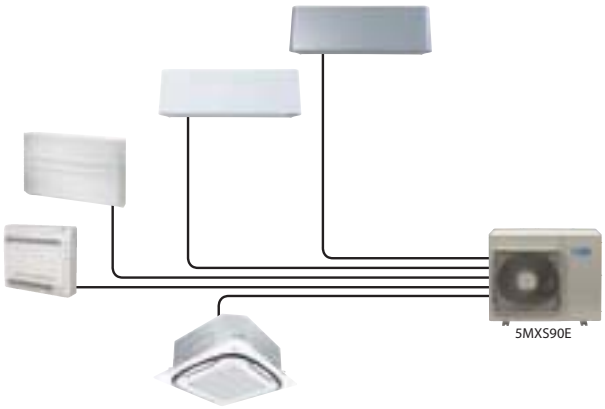
INSTALLATION FLEXIBILITY

A very wide range is available, from 2-port to 5-port units, making all applications possible. Up to 5 indoor units can be connected to 1 multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room or even at the same time. The outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall;

WIDE CHOICE

It is possible to combine different types of indoor units:
wall mounted, floor standing, round flow cassette, ceiling suspended, flexi type, concealed ceiling, 4-way blow cassette

Outdoor multi split units are fitted with the Daikin swing compressor, renowned for its low noise and high energy efficiency.



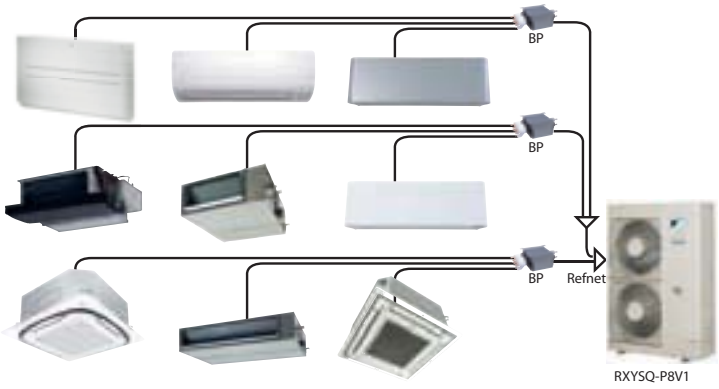
RXYSQ

INSTALLATION FLEXIBILITY

Up to 9 indoor units can be connected to 1 multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room or even at the same time. Narrow refrigerant piping makes handling and connecting easier, resulting in significantly reduced installation time. The REFNET joint reduces the amount of work involved in installation and increases the reliability of the system. A maximum total piping length of 145m offers much more flexibility in the choice of installation position for the indoor units and greatly simplifies system planning. The Branch Provider (BP) unit varies the refrigerant volume to meet the cooling or heating requirements of a room.

WIDE CHOICE

It is possible to combine different types of indoor units:
wall mounted, floor standing, round flow cassette, ceiling suspended, flexi type, concealed ceiling.



MXS-E/F/G/H/K

Multi model application

- Wide range from 2 to 5 port units
- Possibility to connect up to 5 indoor units
- 3-port 40 multi outdoor unit gives an answer to lower capacity requirements of better insulated houses. The 15-class wall mounted allows efficient distribution of the lower capacity of the multi outdoor unit.
- All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time
- Outdoor units are fitted with a Daikin swing compressor renowned for its low noise and high energy efficiency
- Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes

Heating & Cooling

CONNECTABLE INDOOR UNITS	Wall mounted														Floor standing						Flexi type				Round flow cassette			Fully flat cassette				Concealed ceiling								Ceiling suspended		
	FTXG-J			CTXS-K		FTXS-K						FTXS-G		FTX-JV	FVXG-K			FVXS-F			FLXS-B				FCQG-F			FFQ-C				FDXS-F				FDBQ-B/FBQ-C8				FHQ-C		
	25	35	50	15	35	20	25	35	42	50	60	71	20	25	35	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60
2MXS40H	●	●		●	●	●	●	●					●	●	●	●	●	●				●	●										●	●										
2MXS50H	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●							●	●	●		●	●	●								
3MXS40K	●	●		●	●	●	●	●								●	●		●	●						●	●		●	●			●	●			●	●			●		
3MXS52E	●	●	●	●	●	●	●	●	●	●						●	●	●	●	●	●	●	●	●		●	●		●	●	●		●	●	●		●	●	●		●	●	●
3MXS68G	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXS68F	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXS80E	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXS90E	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

CONNECTABLE OUTDOOR UNITS										
Outdoor unit					2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x826x300	735x826x300			770x900x320	
Weight	Unit			kg	38	42	49	49	58		72	73
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	36/33/30	37/34/34	45/-/41	45/-/45	52.7/49.4/43.5		54.5/-/46.0	57.1/54.5/46.0
	Heating	High/Nom./Low		m^3/min	32/32/32	34/34/34	45/-/41	45/-/41	46.4/44.5/16.3		46.0/-/14.7	52.5/-/14.7
Sound power level	Cooling	High/Nom.		dBA	-/62	-/63	59/-	-/59	-/61		-/62	-/66
Sound pressure level	Cooling	Nom.		dBA	47	48	46	46	48			52
	Heating	Nom.		dBA	48	50	47	47	49			52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46		-10~46	-10~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5		-15~15.5	-15~15.5				
Refrigerant	Type/GWP				R-410A/1,975		R-410A/1,975	R-410A/1,975				
Piping connections	Liquid	OD		mm	6.35x2		6.35x3	6.35x3	6.35x3	6.35x4	6.35x4	6.35x5
	Gas	OD		mm	9.52x1	12.7x1	9.52x3	9.52x2, 12.7x1	9.52x1, 12.7x2	9.52x2, 12.7x2	9.52x1, 12.7x1, 15.9x2	9.52x2, 12.7x1, 15.9x2
	Drain	OD		mm	18		18	18			25	
	Level difference	IU - OU	Max.	m	15		15	15				
		IU - IU	Max.	m	7.5		7.5	7.5				
	Heat insulation				Both liquid and gas pipes							
	Total piping length	System	Actual	m	30		30	50		60	70	75
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230		1~ / 50 / 230	1~ / 50 / 230				

RXYSQ-P8V1

VRVIII-S heat pump for residential application

- Energy efficient heating system based on air source heat pump technology
- Low energy bills and low CO_2 emissions
- Possibility to connect up to 9 indoor units
- All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time
- Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes
- Slim design for flexible installation
- 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand

Heating & Cooling

CONNECTABLE INDOOR UNITS	Wall mounted											Floor standing						Flexi type				Round flow cassette			Fully flat cassette				Concealed ceiling								Ceiling suspended		
	FTXG-J			CTXS-K		FTXS-K					FTXS-G	FVXG-K			FVXS-F			FLXS-B				FCQG-F			FFQ-C				FDXS-F				FDBQ-B /FBQ-C8				FHQ-C		
	25	35	50	15	35	20	25	35	42	50	60	71	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60
RXYSQ-P8V1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Outdoor unit					RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	12.6	14.0	15.5
Heating capacity	Nom.			kW	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53
	Heating	Nom.		kW	3.12	3.86	4.57
EER					3.89	3.99	3.42
COP					4.55	4.15	3.94
Maximum number of connectable indoor units					8	9	9
Indoor index connection	Min.				50	62.5	70
	Max.				130	162.5	182
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
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		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	19.1		
	Total piping length	System	Actual	m	115	135	145
	Level difference	OU - IU		m	40 (Outdoor unit in highest position) / 30 (Indoor unit in highest position)		
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	32.0		

(1) EER/COP according to Eurovent 2012

Branch provider			BPMKS967B2	BPMKS967B3
Connectable indoor units			1~2	1~3
Max. indoor unit connectable capacity			14.2	20.8
Max. connectable combination			71+71	60+71+71
Dimensions	Height x Width x Depth	mm	180x294x350	
Weight		kg	7	8

Sky Air

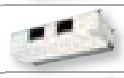
LIGHT COMMERCIAL APPLICATIONS

For more information on Options & Control Systems, please refer to page 327 of this catalogue.

Products overview - Sky Air

Indoor units

Pair, twin, triple & double twin application

Type	Model	Product name	
Ceiling mounted cassette	High COP, round flow cassette	FCQHG-F	
	Round flow cassette [4]	FCQG-F	
	Fully flat cassette	FFQ-C	
	Siesta, 4-way blow ceiling mounted cassette	ACQ-B	
Concealed ceiling	Concealed ceiling unit	FDBQ-B	
	Inverter driven concealed ceiling unit	FBQ-C8 [1]	
	Large concealed ceiling unit	FDQ-C	
	Large concealed ceiling unit	FDQ-B [1]	
	Siesta, Concealed ceiling unit	ABQ-A/B	
Wall mounted	Wall mounted unit	FAQ-C	
Ceiling suspended	Ceiling suspended unit	FHQ-C	
	4-way blow ceilling suspended unit	FUQ-C	
	Siesta, Ceiling suspended cassette	AHQ-C	
Floor standing	Floor standing unit	FVQ-C	

1) Twin, triple, double twin application is only possible up to 125 class

Outdoor units

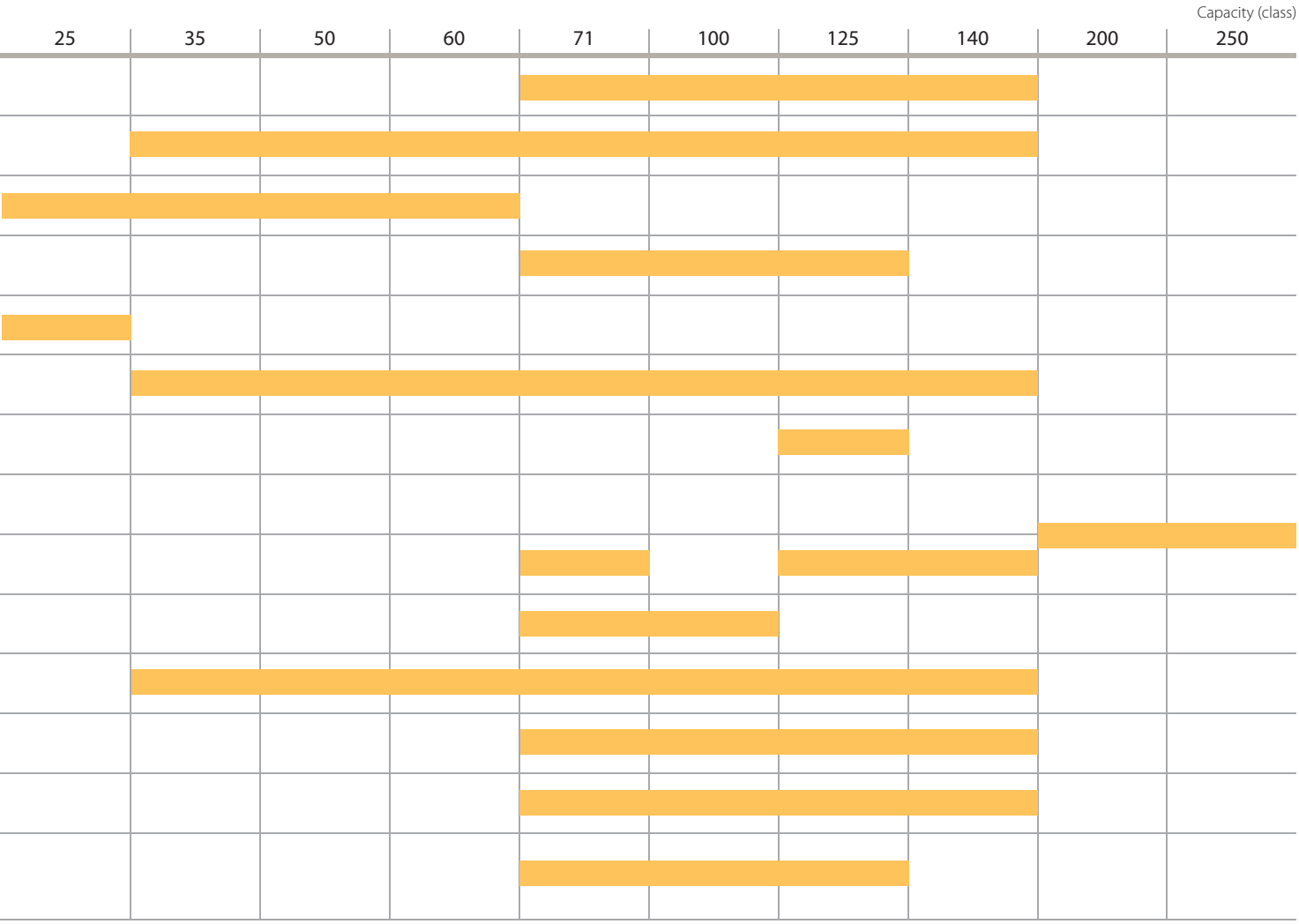
Pair, twin, triple & double twin application

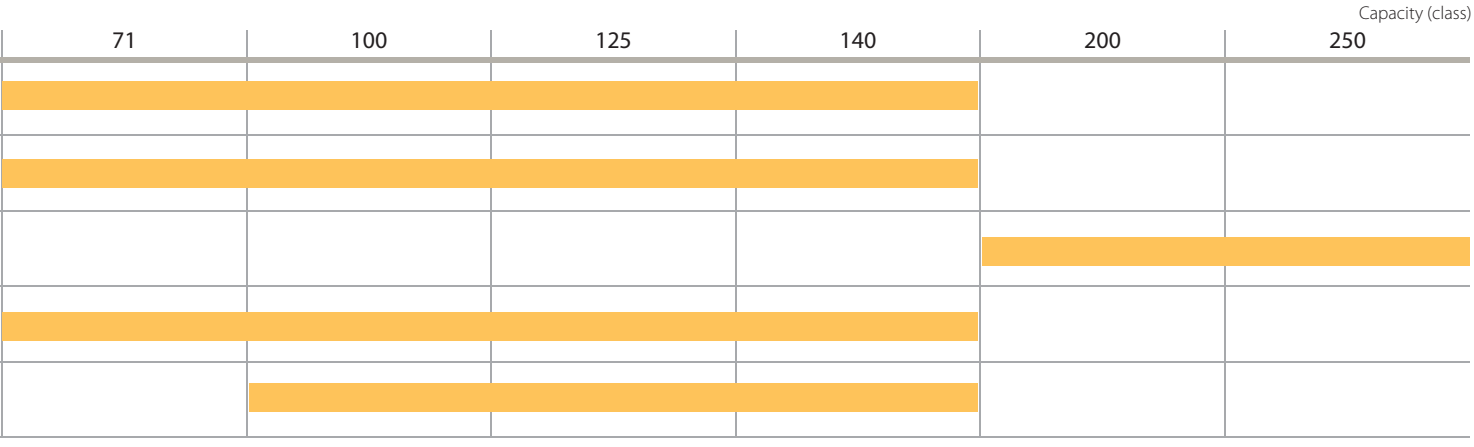
System	Type	Product name	
Air cooled	Heat pump	RZQG-L7V1/LY1 Seasonal Smart	
		RZQSG-LV1/LY1 Seasonal Classic	
		RZQ-C Super Inverter	
		AZQS-BV1 Siesta outdoor unit	
		AZQS-BY1 Siesta outdoor unit	

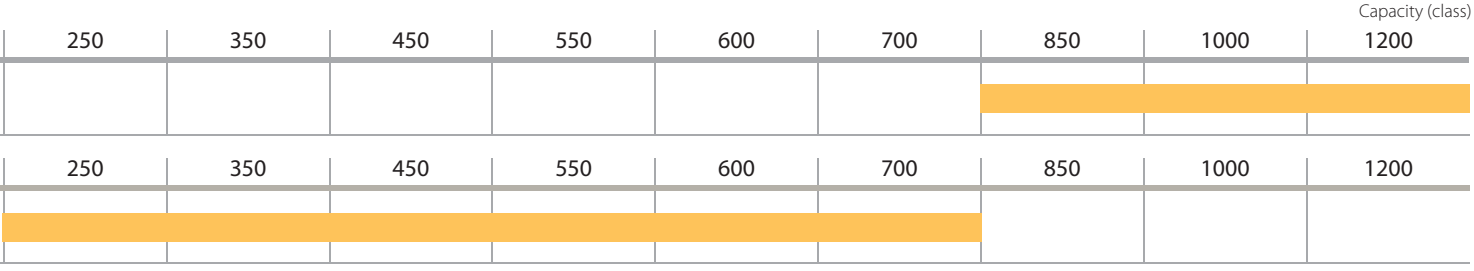
Rooftops

System	Type	Product name	Refrigerant	
Air cooled	Heat pump	UATYP-AY1(B) Rooftop Unit	R-407C	

System	Type	Product name	Refrigerant	
Air cooled	Heat pump	UATYQ-CY1 Rooftop unit	R-410A	


Capacity (class)
25
35
50
60
71
100
125
140
200
250


Capacity (class)
71
100
125
140
200
250


Capacity (class)
250
350
450
550
600
700
850
1000
1200
250
350
450
550
600
700
850
1000
1200

Benefits overview - Sky Air

		Ceiling mounted cassette				
		FCQHG-F	FCQG-F	FFQ-C	ACQ-A/B	FDBQ-B
						
We care icons	Seasonal efficiency - Smart use of energy	✓	✓	✓	✓	✓
	Inverter technology	✓	✓	✓	✓	✓
	Home leave operation	✓	✓	✓		✓
	Fan only	✓	✓	✓	✓	✓
	Auto cleaning panel	✓	✓			
Comfort	Draught prevention	✓	✓	✓	✓	
	Whisper quiet	✓	✓	✓		✓
	Auto cooling-heating changeover	✓	✓	✓	✓	✓
Air treatment	Air filter	✓	✓	✓	✓	✓
Humidity control	Dry programme	✓	✓	✓		✓
Air flow	Ceiling soiling prevention	✓	✓	✓	✓	
	Vertical auto swing	✓	✓	✓		
	Fan speed steps	3	3	2	3	2
Remote control & timer	Weekly timer	✓	✓	✓	✓	✓
	Infrared remote control	✓	✓	✓	✓	
	Wired remote control	✓	✓	✓		✓
	Centralised control	✓	✓	✓		
Other funtions	Auto-restart	✓	✓	✓		✓
	Self-diagnosis	✓	✓	✓		✓
	Drain pump kit	✓	✓	✓		
	Twin/triple/double twin application	✓	✓	✓		
	Multi model application		✓	✓		✓
	VRV for residential application		✓	✓		✓

For explanation on the benefits, see the end of this catalogue.

Concealed ceiling unit				Ceiling suspended unit		4-Way blow ceiling suspended unit	Wall mounted unit	Floor standing unit
FBQ-C8	FDQ-C	FDQ-B	ABQ-A/B	FHQ-C	AHQ-C	FUQ-C	FAQ-C	FVQ-C
								
✓	✓		✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓		✓		✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
					✓	✓		
✓			✓					
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓		✓		✓	✓	✓
					✓			
				✓		✓	✓	✓
3	3	2	3	3	3	3	3	3
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓				✓	✓	✓	✓	
✓	✓	✓	✓	✓		✓	✓	✓
✓	✓	✓		✓		✓	✓	✓
✓	✓	✓		✓		✓	✓	✓
✓	✓	✓		✓		✓	✓	✓
✓	✓			✓		✓	✓	
✓	✓	✓		✓		✓	✓	
✓				✓				
✓				✓				

Preliminary data

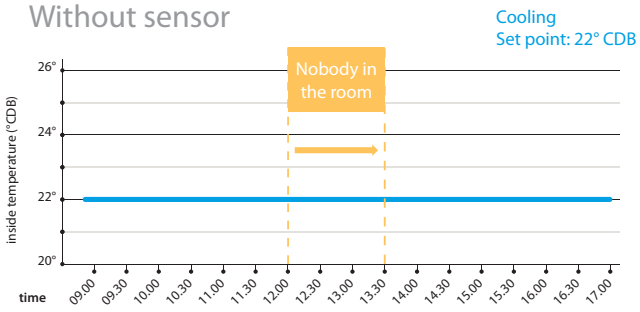
Round flow cassette: setting the standard for efficiency and comfort

The round flow cassette is designed for use in all forms and sizes of commercial offices & retail environments. Today, Daikin has improved its technology even further to enhance your comfort and provide you better energy efficient models.

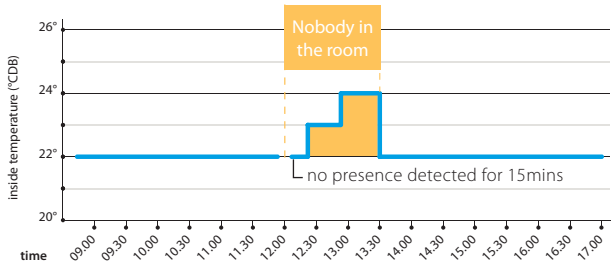
Even more energy efficient…

- With the optional infrared **presence sensor** the set point can be adjusted or the round flow cassette switched off when there is nobody in the room. Up to **27% energy can be saved** (estimated) with this new function. If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached. When selecting the setback function, the unit will maintain the temperature within a preset minimum and maximum temperature, when there is no presence detected in the room for 1 hour.

Without sensor

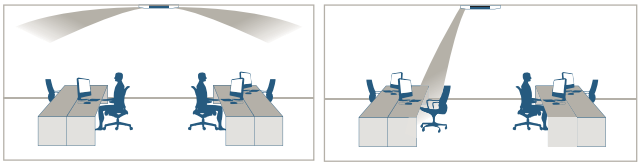


With sensor (BRC1E52A/B required)



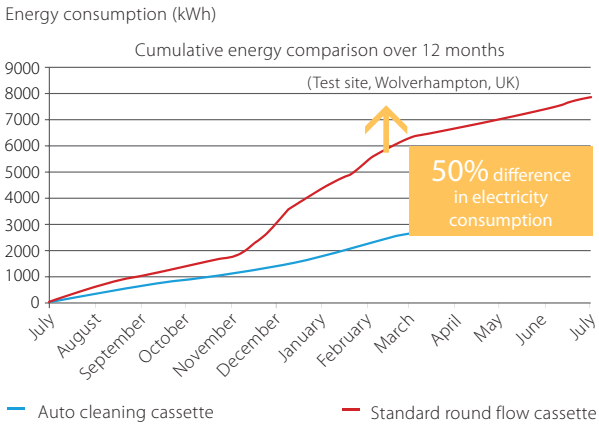
… and improved comfort

- With the optional **infrared floor sensor** having cold feet will become history. This sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor.



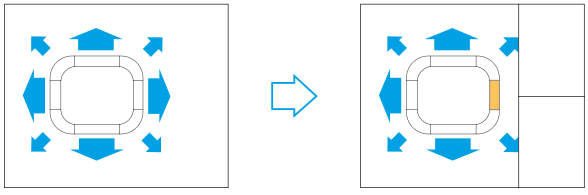
- The presence sensor directs air flow away from any person detected in the room, when the air flow control is on.
- The unique 360° airflow discharge pattern ensures a uniform temperature distribution across the room without dead corners.

- Daikin was the first to launch an **auto-cleaning decoration panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day. Up to **50% energy can be saved** thanks to daily filter cleaning.



Flexible installation

- When refurbishing or rearranging the interior of your office, shop or other area, you no longer need to change the location of your indoor unit. With the round flow cassette one or more flaps can be easily closed via the wired remote controller (BRC1E52A/B – optional). Optional closure kits are available as well.



FCQG35-60F

RXS35K

BRC1E52A/B BRC7F532F

ROUND FLOW

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- 360° air discharge ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- Daikin introduces first auto cleaning cassette to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.
- The presence sensor (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Fresh air intake: up to 20 %
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FCQG35F	*FCQG50F	*FCQG60F
Cooling capacity	Min./Nom./Max.			kW	-/3.4/-	-/5.0/-	1.7/5.7/6.0
Heating capacity	Min./Nom./Max.			kW	-/4.2/-	-/5.8/-	to be confirmed
Seasonal efficiency (according to EN14825)	Cooling	Energy label			to be confirmed		
		Pdesign		kW			
		SEER					
		Annual energy consumption		kWh			
	Heating (Average climate)	Energy label					
		Pdesign		kW			
		SCOP					
		Annual energy consumption		kWh			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER						
	COP						
	Annual energy consumption			kWh			
	Energy label	Cooling/Heating					
Casing	Colour				-		
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1		
	Colour				Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950		
	Weight			kg	5.4/5.4/10.3		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Heating	High/Nom.		m^3/min	12.5/10.6	12.6/10.7	13.6/11.2
Sound power level	Cooling	High		dBA	49		51
	Heating	High		dBA	49		51
Sound pressure level	Cooling	High/Nom./Low		dBA	31/29/27		33/31/28
	Heating	High/Nom./Low		dBA	31/29/27		33/31/28
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit					*RXS35K	*RXS50K	*RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	48	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	to be confirmed		50.9/42.4
	Heating	High/Low		m^3/min	to be confirmed		46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed		20

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel

*Note: grey cells contain preliminary data

FCQG100-140F

RZQG100-140L7V1/LY1

BRC1E52A/B BRC7AF532F

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- 360° air discharge ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- Daikin introduces first auto cleaning cassette to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.
- The presence sensor (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Fresh air intake: up to 20 %
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+			-	A+			-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			5.81	5.99	5.69	-	5.81	5.99	5.69	-
		Annual energy consumption		kWh	410	555	738	-	410	555	738	-
	Heating (Average climate)	Energy label			A+	A		-	A+	A		-
		Pdesign		kW	6.3	11.3	12.7	-	6.3	11.3	12.7	-
		SCOP			4.13	3.93	3.84	-	4.13	3.93	3.84	-
		Annual energy consumption		kWh	2,146	4,027	4,616	-	2,146	4,027	4,616	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.39	3.87	3.73	3.21	3.39	3.87	3.73	3.21
	COP				3.97	4.15	3.63	3.61	3.97	4.15	3.63	3.61
	Annual energy consumption			kWh	1,005	1,225	1,610	2,085	1,005	1,225	1,610	2,085
	Energy label	Cooling/Heating			A/A							
Casing	Colour				-							
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840			204x840x840	246x840x840		
Weight	Unit			kg	21	24			21	24		
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950							
	Weight			kg	5.4/5.4/10.3							
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4	
	Heating	High/Nom.		m^3/min	15.0/12.1	22.8/17.6	26.0/19.2		15.0/12.1	22.8/17.6	26.0/19.2	
Sound power level	Cooling	High		dBA	51	54	58		51	54	58	
	Heating	High		dBA	51	54	58		51	54	58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29	
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel

FCQG-F / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

Indoor unit					FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A			-	A		-
		Pdesign		kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER			5.11			-	5.11		-
		Annual energy consumption		kWh	466	651	822	-	651	822	-
	Heating (Average climate)	Energy label			A			-	A		-
		Pdesign		kW	6.3	7.6		-	7.6		-
		SCOP			3.81	3.80	3.81	-	3.80	3.81	-
		Annual energy consumption		kWh	2,326	2,790	2,783	-	2,790	2,783	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.30	3.21	3.01	3.30	3.21	3.01
	COP				3.61	3.54	3.41		3.54	3.41	
	Annual energy consumption			kWh	971	1,440	1,870	2,225	1,440	1,870	2,225
	Energy label	Cooling/Heating			A/A	A/B		B/B	A/B		B/B
Casing	Colour				-						
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950						
	Weight			kg	5.4/5.4/10.3						
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4	26.0/19.2/12.4	
	Heating	High/Nom.		m^3/min	15.0/12.1	22.8/17.6	26.0/19.2		22.8/17.6	26.0/19.2	
Sound power level	Cooling	High		dBA	51	54	58		54	58	
	Heating	High		dBA	51	54	58		54	58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel

FCQHG-F / RZQG-L7V1/LY1

High COP, round flow cassette

FCQHG71-140F

RZQG100-140L7V1/LY1

BRC1E52A/B BRC7F532F

ROUND FLOW

- High COP cassette ensures top energy performance
- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- 360° air discharge ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- Daikin introduces first auto cleaning cassette to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.
- The presence sensor (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Fresh air intake: up to 20 %
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	-	A++		A+	-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			6.11	6.21	6.00	-	6.11	6.21	6.00	-
		Annual energy consumption		kWh	390	535	700	-	390	535	700	-
	Heating (Average climate)	Energy label			A+		A	-	A+		A	-
		Pdesign		kW	7.6	11.3	14.1	-	7.6	11.3	14.1	-
		SCOP			4.18	4.30	3.89	-	4.18	4.30	3.89	-
		Annual energy consumption		kWh	2,537	3,680	5,086	-	2,537	3,680	5,086	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.09	4.42	4.00	3.35	4.09	4.42	4.00	3.35
	COP				4.80	4.99	4.40	4.12	4.80	4.99	4.40	4.12
	Annual energy consumption			kWh	830	1,075	1,500	2,000	830	1,075	1,500	2,000
	Energy label	Cooling/Heating			A/A							
Casing	Colour				-							
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25	26			25	26		
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950							
	Weight			kg	5.4/5.4/10.3							
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
	Heating	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
Sound power level	Cooling	High		dBA	53	61			53	61		
	Heating	High		dBA	53	61			53	61		
Sound pressure level	Cooling	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37
	Heating	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel

FCQHG-F / RZQSG-LV1/LY1

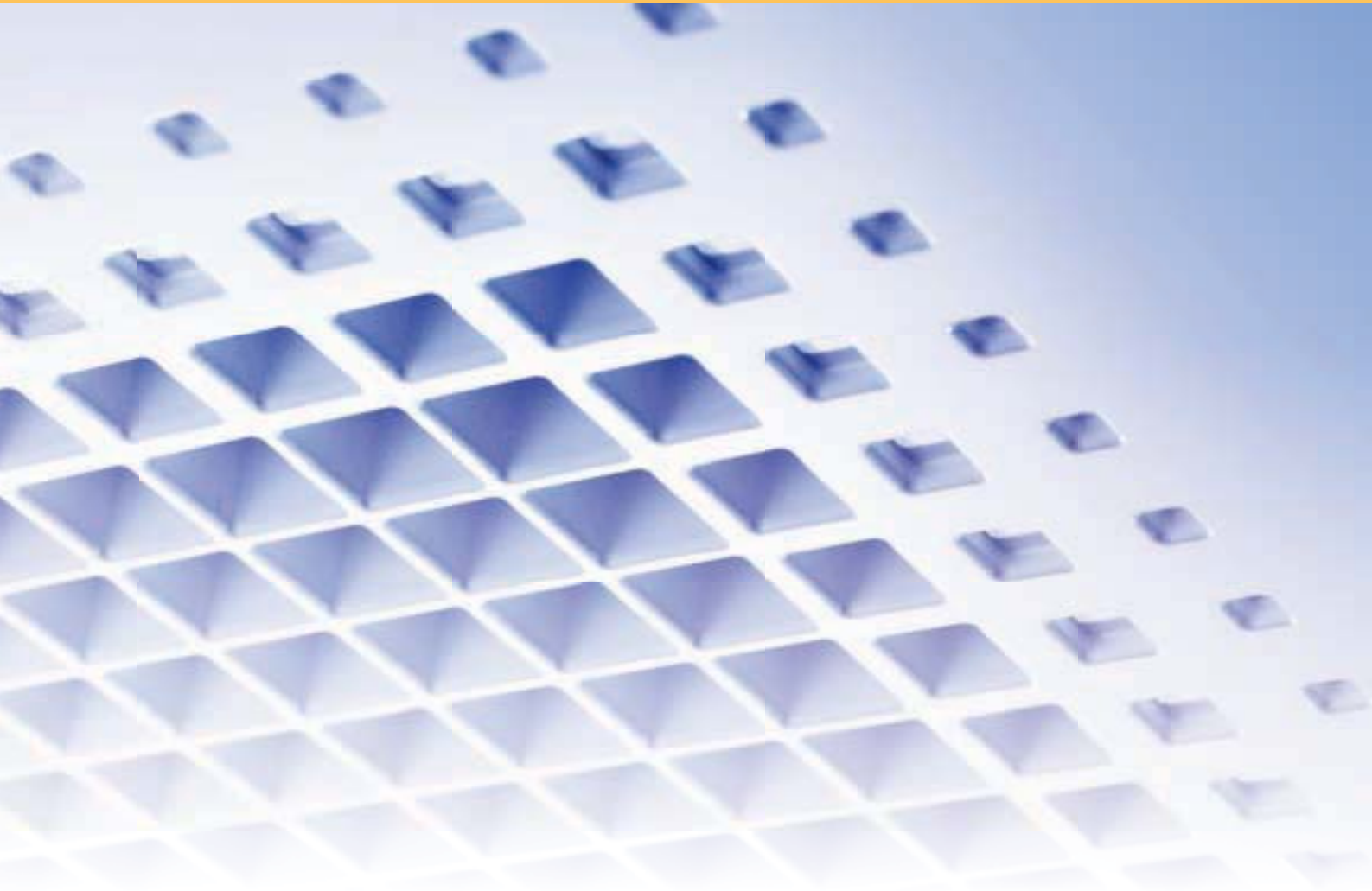
Heating & Cooling

Seasonal Classic

Indoor unit					FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		A	-	A+	A	-
		Pdesign		kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER			5.70		5.21	-	5.70	5.21	-
		Annual energy consumption		kWh	418	583	806	-	583	806	-
	Heating (Average climate)	Energy label			A			-	A		-
		Pdesign		kW	7.6	8.0		-	8.0		-
		SCOP			3.95	3.91	3.81	-	3.91	3.81	-
		Annual energy consumption		kWh	2,684	2,874	2,949	-	2,874	2,949	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.50	3.70	3.23	3.21	3.70	3.23	3.21
	COP				4.10	4.30	3.75	3.61	4.30	3.75	3.61
	Annual energy consumption			kWh	1,059	1,285	1,855	2,085	1,285	1,855	2,085
	Energy label	Cooling/Heating			A/A						
Casing	Colour				-						
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840						
Weight	Unit			kg	25	26					
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950						
	Weight			kg	5.4/5.4/10.3						
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
	Heating	High/Nom./Low		m^3/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
Sound power level	Cooling	High		dBA	53	61					
	Heating	High		dBA	53	61					
Sound pressure level	Cooling	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
	Heating	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel



Design & Genius in one

Unique in the market, the fully flat cassette is a remarkable blend of iconic design and engineering excellence with an elegant matt crystal white or a silver and matt crystal white finish. Fitting flush within the ceiling modules and fully flat with the ceiling itself, the cassette is both stylish and unobtrusive. Superb efficiency and comfort is delivered through the combined use of floor and presence sensors and, when necessary, the individual flap control via the wired remote controller makes it simple to close one or more flaps.

FFQ-C (matt crystal white panel)

FFQ-C (silver and matt crystal white panel)

RXS25-35K

BRC1E52A/B BRC7F530W

- Unique design in the market: integrates fully flat into the ceiling and fits flush into architectural ceiling modules
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or a combination of silver and matt crystal white
- The presence sensor (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake for healthy living
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FFQ25C	*FFQ35C	*FFQ50C	*FFQ60C
Cooling capacity	Min./Nom./Max.			kW	-/2.5/-	-/3.4/-	-/5.0/-	-/5.7/-
Heating capacity	Min./Nom./Max.			kW	-/3.2/-	-/4.2/-	-/5.8/-	-/7.0/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A+	A+	A+
		Pdesign		kW	2.5	3.4	5.0	5.7
		SEER			5.25	5.73	5.78	5.87
		Annual energy consumption		kWh	168	198	283	319
	Heating (Average climate)	Energy label			A+	A+	A+	A+
		Pdesign		kW	2.31	3.36	3.84	4.08
		SCOP			4.12	4.09	4.17	4.17
		Annual energy consumption		kWh	833	1,070	1,290	1,448
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.50	3.80	3.66	3.50
	COP				3.80	3.40	3.50	3.40
	Annual energy consumption			kWh	280	445	685	815
	Energy label	Cooling/Heating			A/A	A/C	A/B	A/C
Casing	Colour				to be confirmed	to be confirmed	to be confirmed	to be confirmed
Dimensions	Unit	HeightxWidthxDepth		mm	265x575x637	265x575x637	265x575x637	265x575x637
Weight	Unit			kg	18	18	18	18
Decoration panel	Model				BYFQ60CW/BYFQ60CS/BYFQ60B2			
	Colour				Fresh white (N9.5)/Fresh white (N9.5) + Silver (B471)/Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	63x620x620/63x620x620/55x700x700			
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	9/8/6.5	10/8.5/6.5	11/10/8	14/12.5/10
Sound power level	Cooling	Nom.		dBA	49	52	56	61
Sound pressure level	Cooling	High/Nom./Low		dBA	32/29/25	35/30/25	39/34/27	44/38/32
Piping connections	Liquid	OD		mm	6.35	6.35	6.35	6.35
	Gas	OD		mm	9.5	9.5	12.7	12.7
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

Outdoor unit					*RXS25K	*RXS35K	*RXS50K	*RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	34	48	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	33.5/30.1	to be confirmed	to be confirmed	50.9/42.4
	Heating	High/Low		m^3/min	28.3/25.6	to be confirmed	to be confirmed	46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/61	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low/Silent operation		dBA	46/-/43	48/44/-	48/44/-	49/46/-
	Heating	High/Low/Silent operation		dBA	47/-/44	48/45/-	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	20	30	30
	Level difference	IU - OU	Max.	m	15	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed	to be confirmed	to be confirmed	20

(1) EER/COP according to Eurovent 2012 (2) BYFQ60CW = panel in matt crystal white, BYFQ60CS = Panel in a combination of silver and matt crystal white, BYFQ60B2 = standard panel

*Note: grey cells contain preliminary data

FBQ-C8 / RZQG-L7V1/LY1 Concealed ceiling unit with inverter driven fan

FBQ100-140C8

RZQG100-140L7V1/LY1

BRC1E52A/B BRC4C65

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to DC inverter fans
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Up to 120Pa external static pressure facilitates using flexible ducts of variying lengths: ideal for shops and medium size offices
- Whisper quiet operation: down to 29dBA sound pressure level
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- The air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump increases reliability of the drain system
- For latest information, see page 349

Heating & Cooling

Seasonal Smart

Indoor unit					FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A+		-		A+		-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			5.11	5.61		-		5.61		-
		Annual energy consumption		kWh	466	593	749	-	424	593	749	-
	Heating (Average climate)	Energy label			A	A+		-	to be confirmed	A+		-
		Pdesign		kW	6.0	11.3	12.7	-		11.3	12.7	-
		SCOP			3.81	4.25	4.05	-		4.25	4.05	-
		Annual energy consumption		kWh	2,202	3,724	4,377	-		3,724	4,377	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.28	3.89	3.81	3.33	3.50	3.89	3.81	3.33
	COP				3.61	4.21	3.83	3.61	3.65	4.21	3.83	3.61
	Annual energy consumption			kWh	1,037	1,220	1,575	2,010	970	1,220	1,575	2,010
	Energy label	Cooling/Heating			A/A							
Casing	Colour				-							
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700	300x1,400x700			300x1,000x700	300x1,400x700		
Required ceiling void >				mm	350							
Weight	Unit			kg	34	45			34	45		
Decoration panel	Model				BYBS71DJW1	BYBS125DJW1			BYBS71DJW1	BYBS125DJW1		
	Colour				White (10Y9/0.5)							
	Dimensions	HeightxWidthxDepth		mm	55x1,100x500	55x1,500x500			55x1,100x500	55x1,500x500		
	Weight			kg	4.5	6			4.5	6		
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/15	32/23	39/28		18/15	32/23	39/28	
	Heating	High/Nom.		m^3/min	18/-	32/-	39/-	41/-	18/-	32/-	39/-	41/-
Fan - External static pressure	High/Nom.			Pa	100/30	120/40	120/50		100/30	120/40	120/50	
Sound power level	Cooling	Nom.		dBA	57	61	66		57	61	66	
Sound pressure level	Cooling	High/Low		dBA	37/29	38/32	40/33		37/29	38/32	40/33	
	Heating	High/Low		dBA	37/29	38/32	40/33	41/34	37/29	38/32	40/33	41/34
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FBQ-C8 / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

Indoor unit					FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ100C8	FBQ125C8	FBQ140C8
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A		C	-	A	C	-
		Pdesign		kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER			5.11		4.35	-	5.11	4.35	-
		Annual energy consumption		kWh	466	651	966	-	651	966	-
	Heating (Average climate)	Energy label			A			-	A		-
		Pdesign		kW	6.0	7.6		-	7.6		-
		SCOP			3.81			-	3.81		-
		Annual energy consumption		kWh	2,202	2,783		-	2,783		-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.28	3.31	3.21	3.02	3.31	3.21	3.02
	COP				3.61	3.65	3.51	3.41	3.65	3.51	3.41
	Annual energy consumption			kWh	1,037	1,435	1,870	2,220	1,435	1,870	2,220
	Energy label	Cooling/Heating			A/A		A/B	B/B	A/A	A/B	B/B
Casing	Colour				-						
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700	300x1,400x700					
Required ceiling void >				mm	350						
Weight	Unit			kg	34	45					
Decoration panel	Model				BYBS71DJW1	BYBS125DJW1					
	Colour				White (10Y9/0.5)						
	Dimensions	HeightxWidthxDepth		mm	55x1,100x500	55x1,500x500					
	Weight			kg	4.5	6					
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/15	32/23	39/28		32/23	39/28	
	Heating	High/Nom.		m^3/min	18/-	32/-	39/-	41/-	32/-	39/-	41/-
Fan - External static pressure	High/Nom.			Pa	100/30	120/40	120/50		120/40	120/50	
Sound power level	Cooling	Nom.		dBA	57	61	66		61	66	
Sound pressure level	Cooling	High/Low		dBA	37/29	38/32	40/33		38/32	40/33	
	Heating	High/Low		dBA	37/29	38/32	40/33	41/34	38/32	40/33	41/34
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220						

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012

FBQ-C8 / RXS-K/F

Concealed ceiling unit with inverter driven fan

FBQ35-50C8

RXS35K

BRC1E52A/B BRC4C65

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to DC inverter fans
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Up to 120Pa external static pressure facilitates using flexible ducts of varying lengths: ideal for shops and medium size offices
- Whisper quiet operation: down to 29dBA sound pressure level
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- The air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump increases reliability of the drain system
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FBQ35C8	*FBQ50C8	*FBQ60C8
Cooling capacity	Min./Nom./Max.			kW	-/3.4/-	-/5.0/-	1.7/5.7/6.0
Heating capacity	Min./Nom./Max.			kW	-/4.2/-	-/5.8/-	-/7.0/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			to be confirmed		
		Pdesign		kW			
		SEER					
		Annual energy consumption		kWh			
	Heating (Average climate)	Energy label					
		Pdesign		kW			
		SCOP					
		Annual energy consumption		kWh			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER						
	COP						
	Annual energy consumption			kWh			
	Energy label	Cooling/Heating					
Casing	Colour				Not painted (galvanised)		
Dimensions	Unit	HeightxWidthxDepth		mm	300x700x700		300x1,000x700
Required ceiling void >				mm	350		
Weight	Unit			kg	25		34
Decoration panel	Model				BYBS45DJW1		BYBS71DJW1
	Colour				White (10Y9/0.5)		
	Dimensions	HeightxWidthxDepth		mm	55x800x500		55x1,100x500
	Weight			kg	3		4.5
Fan - Air flow rate	Cooling	High/Low		m^3/min	16/11		18/15
	Heating	High/Nom.		m^3/min	16/-		18/-
Fan - External static pressure	High/Nom.			Pa	100/30		
Sound power level	Cooling	Nom.		dBA	63		57
Sound pressure level	Cooling	High/Low		dBA	37/29		
	Heating	High/Low		dBA	37/29		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit					*RXS35K	*RXS50K	*RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	48	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	to be confirmed		50.9/42.4
	Heating	High/Low		m^3/min	to be confirmed		46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed		20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FDBQ25B

BRC1E52A/B

- Designed for hotel bedrooms
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- Whisper quiet operation: down to 28dBA sound pressure level
- The air suction direction can be altered from rear to bottom suction

Heating & Cooling

Indoor unit				**FDBQ25B**
Cooling capacity	Nom.		kW	-
Casing	Colour			-
Dimensions	Unit	HeightxWidthxDepth	mm	230x652x502
Weight	Unit		kg	17.0
Fan - Air flow rate	Cooling	High/Low	m^3/min	6.50/5.20
	Heating	High/Low/Silent operation	m^3/min	6.95/5.20/-
Sound power level	Cooling	High/Low	dBA	55.0/49.0
	Heating	High/Low	dBA	55.0/49.0
Sound pressure level	Cooling	High/Low	dBA	35.0/28.0
	Heating	High/Low	dBA	35.0/29.0
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.52
	Drain			27.2
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230

Outdoor unit					
Dimensions	Unit	HeightxWidthxDepth		mm	only available in multi model application
Weight	Unit			kg	
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	
	Heating	High/Nom./Low		m^3/min	
Sound power level	Cooling	Nom.		dBA	
Sound pressure level	Cooling	Nom.		dBA	
	Heating	Nom.		dBA	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	
	Heating	Ambient	Min.~Max.	°CWB	
Refrigerant	Type/GWP				
Power supply	Phase / Frequency / Voltage			Hz / V	
Current - 50Hz	Maximum fuse amps (MFA)			A	

FDQ125C

RZQG125L7V1/LY1

BRC1E52A/B

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Up to 200Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Less duct calculations are needed; moreover, the air flow can be adjusted during installation via the wired remote control (optional) instead of via channel adjustments
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- The air suction direction can be altered from rear to bottom suction
- Standard drain pump with 625mm lift

Heating & Cooling

Indoor unit					FDQ125C	FDQ125C	FDQ125C	FDQ125C
Cooling capacity	Min./Nom./Max.			kW	-/12.0/-			
Heating capacity	Min./Nom./Max.			kW	-/13.5/-			
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		C	
		Pdesign		kW	12.0			
		SEER			5.61		4.35	
		Annual energy consumption		kWh	749		966	
	Heating (Average climate)	Energy label			A+		A	
		Pdesign		kW	12.7		7.6	
		SCOP			4.05 (2)		3.81 (2)	
		Annual energy consumption		kWh	4,377		2,783	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.75		3.21	
	COP				3.83		3.51	
	Annual energy consumption			kWh	1,600		1,870	1,600
	Energy label	Cooling/Heating			A/A		A/B	
Casing	Colour				-			
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,400x700			
Required ceiling void >				mm	350			
Weight	Unit			kg	45			
Decoration panel	Model				BYBS125DJW1			
	Colour				White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth		mm	55x1,500x500			
	Weight			kg	6.5			
Fan - Air flow rate	Cooling	High/Low		m^3/min	39/28			
	Heating	High/Low		m^3/min	39/28			
Fan - External static pressure	High/Nom.			Pa	200/50			
Sound power level	Cooling	Nom.		dBA	66			
Sound pressure level	Cooling	High/Low		dBA	40/33			
	Heating	High/Low		dBA	40/33			
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit					RZQG125L7V1	RZQG125LY1	RZQSG125LV1	RZQSG125LY1
Dimensions	Unit	HeightxWidthxDepth		mm	1,430x940x320		990x940x320	
Weight	Unit			kg	102	101	81	82
Fan - Air flow rate	Cooling	Nom.		m^3/min	70		77	
	Heating	Nom.		m^3/min	62		83	
Sound power level	Cooling	Nom.		dBA	67		70	
Sound pressure level	Cooling	Nom./Silent operation		dBA	51/-		54/49	54/-
	Heating	Nom.		dBA	53		58	
	Night quiet mode	Level 1		dBA	45		-	49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0		-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5		-15.0~15.5	
Refrigerant	Type/GWP				R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m	75		50	
		System	Equivalent	m	90		70	
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3N~ / 50 / 380-415	1~ / 50 / 220-240	3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	32	20	32	20

(1) EER/COP according to Eurovent 2012

FDQ200-250B

RZQ200-250C

BRC1E52A/B

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Up to 250Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Up to 26.4kW in heating mode
- Standard built-in drain pump increases reliability of the drain system

Heating & Cooling

Super Inverter

Indoor unit				FDQ200B	FDQ250B
Cooling capacity	Min./Nom./Max.		kW	-/20.0/-	-/24.1/-
Heating capacity	Min./Nom./Max.		kW	-/23.0/-	-/26.4/-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21	2.81
	COP			3.41	3.21
	Annual energy consumption		kWh	3,115	4,290
	Energy label	Cooling/Heating		-/-	
Casing	Colour			Unpainted	
Dimensions	Unit	HeightxWidthxDepth	mm	450x1,400x900	
Required ceiling void >			mm	450	
Weight	Unit		kg	89.0	94.0
Fan - Air flow rate	Cooling	Nom.	m^3/min	69.0	89.0
Fan - External static pressure	High/Nom./Low		Pa	250/250/250	
Sound power level	Cooling	Nom.	dBA	81.0	82.0
Sound pressure level	Cooling	High	dBA	45.0	47.0
	Heating	Low	dBA	45.0	47.0
Piping connections	Liquid	OD	mm	9.52	12.7
	Gas	OD	mm	22.2	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230	

Outdoor unit					RZQ200C	RZQ250C
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183	184
Fan - Air flow rate	Cooling	Nom.		m^3/min	171	
	Heating	Nom.		m^3/min	171	
Fan - External static pressure	Max.			Pa	78	
Sound power level	Nom.			dBA	78	
Sound pressure level	Nom.			dBA	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/-	
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

(1) EER/COP according to Eurovent 2012

FAQ100C

RZQG100L7V1/LY1

BRC1E52A/B BRC7AF532F

- Ideal solution for shops, restaurants or offices without false ceilings
- Can be installed in both new and existing buildings
- Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- 5 different discharge angles can be programmed via the remote control
- Maintenance operations can be performed from the front of the unit
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling

Seasonal Smart

Indoor unit					FAQ71C	FAQ100C	FAQ71C	FAQ100C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/6.8/-	-/9.5/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/7.5/-	-/10.8/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A			
		Pdesign		kW	6.8	9.5	6.8	9.5
		SEER			5.21	5.11	5.21	5.11
		Annual energy consumption		kWh	457	651	457	651
	Heating (Average climate)	Energy label			A	A+	A	A+
		Pdesign		kW	6.3	10.2	6.3	10.2
		SCOP			3.90	4.01	3.90	4.01
		Annual energy consumption		kWh	2,272	3,552	2,272	3,552
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.40	3.62	3.40	3.62
	COP				3.70	3.61	3.70	3.61
	Annual energy consumption			kWh	1,000	1,315	1,000	1,315
	Energy label	Cooling/Heating			A/A			
Casing	Colour				Fresh white			
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13	17	13	17
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	26/23/19	18/16/14	26/23/19
	Heating	High/Nom./Low/Silent operation		m^3/min	18/16/14/-	26/23/19/-	18/16/14/-	26/23/19/-
Sound power level	Cooling	High/Nom./Low		dBA	61/58/56	65/62/58	61/58/56	65/62/58
	Heating	High/Nom./Low		dBA	61/58/56	65/62/58	61/58/56	65/62/58
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41	45/42/40	49/45/41
	Heating	High/Nom./Low		dBA	45/42/40	49/45/41	45/42/40	49/45/41
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG71LY1	RZQG100LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	78	102	80	101
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70	59	70
	Heating	Nom.		m^3/min	49	62	49	62
Sound power level	Cooling	Nom.		dBA	64	66	64	66
Sound pressure level	Cooling	Nom.		dBA	48	50	48	50
	Heating	Nom.		dBA	50	52	50	52
	Night quiet mode	Level 1		dBA	43	45	43	45
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0			
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5			
Refrigerant	Type/GWP				R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m	50	75	50	75
		System	Equivalent	m	70	90	70	90
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	16	20

(1) EER/COP according to Eurovent 2012

FAQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

Indoor unit					FAQ71C	FAQ100C	FAQ100C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	B	
		Pdesign		kW	6.8	9.5	
		SEER			5.11	4.61	
		Annual energy consumption		kWh	466	721	
	Heating (Average climate)	Energy label			A		
		Pdesign		kW	6.0	6.8	
		SCOP			3.81		
		Annual energy consumption		kWh	2,202	2,492	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.01	
	COP				3.61	3.41	
	Annual energy consumption			kWh	1,059	1,580	
	Energy label	Cooling/Heating			A/A	B/B	
Casing	Colour				Fresh white		
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13	17	
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	26/23/19	
	Heating	High/Nom./Low		m^3/min	18/16/14	26/23/19	
Sound power level	Cooling	High/Nom./Low		dBA	61/58/56	65/62/58	
	Heating	High/Nom./Low		dBA	61/58/56	65/62/58	
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41	
	Heating	High/Nom./Low		dBA	45/42/40	49/45/41	
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG100LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	67	81	82
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	
	Heating	Nom.		m^3/min	48	83	
Sound power level	Cooling	Nom.		dBA	65	69	
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	53/-
	Heating	Nom.		dBA	51	57	
	Night quiet mode	Level 1		dBA	-		49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5		
Refrigerant	Type/GWP				R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	30	50	
		System	Equivalent	m	40	70	
	Level difference	IU - OU	Max.	m	15	30.0	
		IU - IU	Max.	m	0.5		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	20

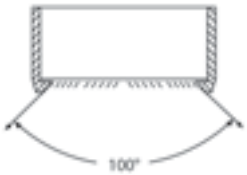
(1) EER/COP according to Eurovent 201

FHQ100-140C

RZQG100-140L7V1/LY1

BRC1E51A/B BRC7GA53

- Ideal solution for commercial spaces with no or narrow false ceilings
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Low energy consumption thanks to DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Can be installed in both new and existing buildings
- Wider air discharge thanks to Coanda effect: up to 100°



- Air flow distribution for ceiling heights up to 3.8m without capacity loss
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FHQ71C	*FHQ100C	*FHQ125C	*FHQ140C	*FHQ71C	*FHQ100C	*FHQ125C	*FHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+	A+	A	-	A+	A+	A	-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			5.85	5.69	5.21	-	5.85	5.69	5.21	-
		Annual energy consumption		kWh	407	584	806	-	407	584	806	-
	Heating (Average climate)	Energy label			A	A+	A+	-	A	A+	A+	-
		Pdesign		kW	7.6	11.3	14.1	-	7.6	11.3	14.1	-
		SCOP			3.95	4.30	4.23	-	3.95	4.30	4.23	-
		Annual energy consumption		kWh	2,684	3,680	4,677	-	2,684	3,680	4,677	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.82	4.13	3.52	3.31	3.82	4.13	3.52	3.31
	COP				4.13	4.42	3.89	3.63	4.13	4.42	3.89	3.63
	Annual energy consumption			kWh	890	1,245	1,790	2,025	890	1,245	1,790	2,025
	Energy label	Cooling/Heating			A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A
Casing	Colour				Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690
Weight	Unit			kg	32	38	38	38	32	38	38	38
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	20.5/17/14	28/24/20	31/27/23	34/29/24
	Heating	High/Nom.		m^3/min	20.5/17	28/24	31/27	34/29	20.5/17	28/24	31/27	34/29
Sound power level	Cooling	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	55/53/51	60/56/52	62/59/55	64/60/56
	Heating	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	55/53/51	60/56/52	62/59/55	64/60/56
Sound pressure level	Cooling	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD		mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FHQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

Indoor unit					*FHQ71C	*FHQ100C	*FHQ125C	*FHQ140C	*FHQ100C	*FHQ125C	*FHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A	B	-	A	B	-
		Pdesign		kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER			5.11	5.11	4.61	-	5.11	4.61	-
		Annual energy consumption		kWh	466	651	911	-	651	911	-
	Heating (Average climate)	Energy label			A	A	A	-	A	A	-
		Pdesign		kW	7.6	7.60	7.6	-	7.60	7.6	-
		SCOP			3.81	3.80	3.81	-	3.80	3.81	-
		Annual energy consumption		kWh	2,783	2,790	2,783	-	2,790	2,783	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.46	3.21	2.89	3.01	3.21	2.89	3.01
	COP				4.00	3.61	3.62	3.41	3.61	3.62	3.41
	Annual energy consumption			kWh	983	1,480	2,075	2,225	1,480	2,075	2,225
	Energy label	Cooling/Heating			A/A	A/A	C/A	B/B	A/A	C/A	B/B
Casing	Colour				Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690
Weight	Unit			kg	32	38	38	38	38	38	38
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24
	Heating	High/Nom.		m^3/min	20.5/17	28/24	31/27	34/29	28/24	31/27	34/29
Sound power level	Cooling	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56
	Heating	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56
Sound pressure level	Cooling	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD		mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012

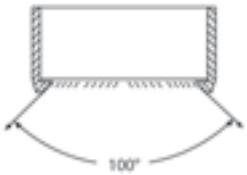
*Note: grey cells contain preliminary data

FHQ35-50C

RXS35K

BRC1E52A/B BRC7GA53

- Ideal solution for commercial spaces with no or narrow false ceiling
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Low energy consumption thanks to DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Can be installed in both new and existing buildings
- Wider air discharge thanks to Coanda effect: up to 100°



- Air flow distribution for ceiling heights up to 3.8m without capacity loss
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- For latest information, see page 349

Heating & Cooling

Indoor unit					*FHQ35C	*FHQ50C	*FHQ60C
Cooling capacity	Min./Nom./Max.			kW	1.4/3.4/3.7	1.7/5.0/5.6	1.7/5.7/6.0
Heating capacity	Min./Nom./Max.			kW	1.2/4.0/5.0	1.7/6.0/7.0	1.7/7.2/8.0
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	A	A
		Pdesign		kW	3.40	5.00	7.20
		SEER			4.89	5.48	5.54
		Annual energy consumption		kWh	243	320	360
	Heating (Average climate)	Energy label			A	A	A
		Pdesign		kW	3.10	4.35	5.07
		SCOP			3.98	3.74	3.5
		Annual energy consumption		kWh	1,090.75	1,627.83	2,026.36
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.18	3.26
	COP				3.96	3.35	3.32
	Annual energy consumption			kWh	474.86	786.16	874.23
	Energy label	Cooling/Heating			A/A	B/C	A/C
Casing	Colour				Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x960x690	235x1,270x690
Weight	Unit			kg	24	25	31
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	14/11.5/10	15/12/10	19.5/15/11.5
	Heating	High/Nom.		m^3/min	14/11.5	15/12	19.5/15
Sound power level	Cooling	High/Nom./Low		dBA	53/51/48	54/52/49	54/52/50
	Heating	High/Nom./Low		dBA	53/51/48	54/52/49	54/52/50
Sound pressure level	Cooling	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
	Heating	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
Piping connections	Liquid	OD		mm	6.35	6.35	6.35
	Gas	OD		mm	9.52	12.70	12.70
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

Outdoor unit					*RXS35K	*RXS50K	*RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	48	48
Fan - Air flow rate	Cooling	High/Low		m^3/min	to be confirmed		50.9/42.4
	Heating	High/Low		m^3/min	to be confirmed		46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	to be confirmed		20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FUQ-C / RZQG-L7V1/LY1

4-way blow ceiling suspended unit

FUQ71-125C

RZQG100-125L7V1/LY1

BRC1E52A/B BRC7CB528

- Ideal solution for commercial spaces with no or narrow false ceilings
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Improved comfort thanks to automatic air flow adjustment to required load
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Can be installed in both new and existing buildings
- Same outlook for all models (unified dimensions)
- Auto swing function ensures efficient air and temperature distribution
- Air can be discharged in 5 different angles between 0 and 60°

- Possibility to shut 1 or 2 flaps for easy installation in corners

- Air flow distribution for ceiling heights up to 3.5m without capacity loss
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- For latest information, see page 349

Heating & Cooling

Seasonal Smart

Indoor unit					*FUQ71C	*FUQ100C	*FUQ125C	*FUQ71C	*FUQ100C	*FUQ125C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/6.8/-	-/9.5/-	-/12.0/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/7.5/-	-/10.8/-	-/13.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+	B	A++	A+	B
		Pdesign		kW	6.8	9.5	12.0	6.8	9.5	12.0
		SEER			6.23	5.62	5.03	6.23	5.62	5.03
		Annual energy consumption		kWh	382	592	835	382	592	835
	Heating (Average climate)	Energy label			A+	A	A+	A+	A	A+
		Pdesign		kW	7.6	11.3	14.1	7.6	11.3	14.1
		SCOP			4.08	3.93	4.44	4.08	3.93	4.44
		Annual energy consumption		kWh	2,599	4,027	4,456	2,599	4,027	4,456
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.07	4.08	3.40	4.07	4.08	3.40
	COP				4.47	4.04	4.04	4.47	4.04	4.04
	Annual energy consumption			kWh	840	1,230	1,770	840	1,230	1,770
	Energy label	Cooling/Heating			A/A	A/A	A/A	A/A	A/A	A/A
Casing	Colour				Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	198x950x950	198x950x950	198x950x950	198x950x950	198x950x950
Weight	Unit			kg	25	26	26	25	26	26
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
	Heating	High/Nom.		m^3/min	23/19.5	31/25.5	32.5/26.5	23/19.5	31/25.5	32.5/26.5
Sound power level	Cooling	High/Nom./Low		dBA	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
	Heating	High/Nom./Low		dBA	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
Sound pressure level	Cooling	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
	Heating	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
Piping connections	Liquid	OD		mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD		mm	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320		990x940x320	1,430x940x320	
Weight	Unit			kg	78	102		80	101	
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		59	70	
	Heating	Nom.		m^3/min	49	62		49	62	
Sound power level	Cooling	Nom.		dBA	64	66	67	64	66	67
Sound pressure level	Cooling	Nom.		dBA	48	50	51	48	50	51
	Heating	Nom.		dBA	50	52	53	50	52	53
	Night quiet mode	Level 1		dBA	43	45		43	45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0					
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5					
Refrigerant	Type/GWP				R-410A/1,975					
Piping connections	Piping length	OU - IU	Max.	m	50	75		50	75	
		System	Equivalent	m	70	90		70	90	
	Level difference	IU - OU	Max.	m	30.0					
		IU - IU	Max.	m	0.5					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		16	20	

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FVQ100-140C

RZQG100-140L7V1/LY1

BRC1E52A/B

- Ideal solution for shops, restaurants or offices without false ceilings
- Can be installed in both new and existing buildings
- Very efficient for use in rooms with high ceilings
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved efficiency by adoption of the DC fan motor.
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling

Indoor unit					FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A		B	-	A		B	-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			5.16	5.59	4.77	-	5.16	5.59	4.77	-
		Annual energy consumption		kWh	461	595	881	-	461	595	881	-
	Heating (Average climate)	Energy label			A			-	A			-
		Pdesign		kW	6.3	11.3		-	6.3	11.3		-
		SCOP			3.81	3.80	3.85	-	3.81	3.80	3.85	-
		Annual energy consumption		kWh	2,326	4,165	4,111	-	2,326	4,165	4,111	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.37	3.81	3.21		3.37	3.81	3.21	
	COP				3.64	4.14	3.70	3.61	3.64	4.14	3.70	3.61
	Annual energy consumption			kWh	1,010	1,245	1,870	2,085	1,010	1,245	1,870	2,085
	Energy label	Cooling/Heating			A/A							
Casing	Colour				Fresh white							
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	39	47			39	47		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
	Heating	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
Sound power level	Cooling	High/Nom./Low		dBA	55/53/50	62/59/56	63/60/58	65/63/60	55/53/50	62/59/56	63/60/58	65/63/60
	Heating	High/Nom./Low		dBA	55/53/50	62/59/56	63/60/58	65/63/60	55/53/50	62/59/56	63/60/58	65/63/60
Sound pressure level	Cooling	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
	Heating	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

(1) EER/COP according to Eurovent 2012

FVQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

Indoor unit					FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ100C	FVQ125C	FVQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A		C	-	A	C	-
		Pdesign		kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER			5.11		4.31	-	5.11	4.31	-
		Annual energy consumption		kWh	466	651	974	-	651	974	-
	Heating (Average climate)	Energy label			A			-	A		-
		Pdesign		kW	6.0	7.6		-	7.6		-
		SCOP			3.81	3.80	3.81	-	3.80	3.81	-
		Annual energy consumption		kWh	2,202	2,790	2,783	-	2,790	2,783	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21		2.81	3.01	3.21	2.81	3.01
	COP				3.61		3.41		3.61	3.41	
	Annual energy consumption			kWh	1,059	1,480	2,135	2,225	1,480	2,135	2,225
	Energy label	Cooling/Heating			A/A		C/B	B/B	A/A	C/B	B/B
Casing	Colour				Fresh white						
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	39	47					
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
	Heating	High/Nom./Low		m^3/min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26
Sound power level	Cooling	High/Nom./Low		dBA	55/53/50	62/59/56	63/60/58	65/63/60	62/59/56	63/60/58	65/63/60
	Heating	High/Nom./Low		dBA	55/53/50	62/59/56	63/60/58	65/63/60	62/59/56	63/60/58	65/63/60
Sound pressure level	Cooling	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
	Heating	High/Nom./Low		dBA	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48
Piping connections	Liquid	OD		mm	9.52						
	Gas	OD		mm	15.9						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220						

Outdoor unit					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012

- Re-use of existing R-22 or R-407C piping
- Down to -15°C in heating mode
- Standard night quiet mode
- Maximum piping length up to 100m
- Maximum installation height difference up to 30m

	FCQG-F					FFQ-C		FBQ-C8					FHQ-C					FUQ-C			FAQ-C		FDQ-C
	50	60	71	100	125	50	60	50	60	71	100	125	50	60	71	100	125	71	100	125	71	100	125
RZQ200C	4	3	3	2		4	3	4	3	3	2		4	3	3	2		3	2		3	2	
RZQ250C		4			2		4		4			2		2			2			2			2

CONNECTABLE OUTDOOR UNITS						
Outdoor unit					**RZQ200C**	**RZQ250C**
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183	184
Fan - Air flow rate	Cooling	Nom.		m^3/min	171	
	Heating	Nom.		m^3/min	171	
Fan - External static pressure	Max.			Pa	78	
Sound power level	Nom.			dBA	78	
Sound pressure level	Nom.			dBA	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/1,975	
Piping connections	Piping length	OU - IU	Max.	m	100	
	Level difference	IU - OU	Max.	m	-	
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

RZQG-L7V1/LY1

- Seasonal efficiency, optimized for all seasons
- Seasonal smart series already comply with the EU's 2014 Eco-Design requirements
- Suits computer room applications (EDP)
- Re-use of existing R-22 or R-407C technology
- Down to -20°C in heating mode
- Standard night quiet mode
- Maximum piping length up to 75m
- Minimum piping length: no limitation
- Compatibility with D-BACS

		FCQHG-F	FCQG-F				FFQ-C			FBQ-C8				FHQ-C				FAQ-C	FUQ-C
		71	35	50	60	71	35	50	60	35	50	60	71	35	50	60	71	71	71
RZQG71L7V1	RZQG71LY1		2				2			2				2					
RZQG100L7V1	RZQG100LY1		3	2			3	2		3	2			3	2				
RZQG125L7V1	RZQG125LY1		4	3	2		4	3	2	4	3	2		4	3	2			
RZQG140L7V1	RZQG140LY1	2	4	3		2	4	3		4	3		2	4	3		2	2	2

Seasonal Smart

CONNECTABLE OUTDOOR UNITS

Outdoor unit					**RZQG71L7V1**	**RZQG100L7V1**	**RZQG125L7V1**	**RZQG140L7V1**	**RZQG71LY1**	**RZQG100LY1**	**RZQG125LY1**	**RZQG140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	78	102			80	101		
Fan - Air flow rate	Cooling	Nom.		m^3/min	59	70		84	59	70		84
	Heating	Nom.		m^3/min	49	62			49	62		
Sound power level	Cooling	Nom.		dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
	Night quiet mode	Level 1		dBA	43	45			43	45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
	Level difference	IU - OU	Max.	m	30.0							
		IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16	20		

- Seasonal efficiency, optimized for all seasons
- Re-use of existing R-22 or R-407C technology
- Down to -15°C in heating mode
- Maximum piping length up to 50m
- Minimum piping length: no limitation
- Compatibility with D-BACS

		FCQHG-F	FCQG-F				FFQ-C			FBQ-C8				FHQ-C				FAQ-C
		71	35	50	60	71	35	50	60	35	50	60	71	35	50	60	71	71
RZQSG71LV1			2				2			2				2				
RZQSG100LV1	RZQSG100LY1		3	2			3	2		3	2			3	2			
RZQSG125LV1	RZQSG125LY1		4	3	2		4	3	2	4	3	2		4	3	2		
RZQSG140LV1	RZQSG140LY1	2	4	3		2	4	3		4	3		2	4	3		2	2

Seasonal Classic

CONNECTABLE OUTDOOR UNITS												
Outdoor unit					**RZQSG71LV1**	**RZQSG100LV1**	**RZQSG125LV1**	**RZQSG140LV1**	**RZQSG100LY1**	**RZQSG125LY1**	**RZQSG140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52	76	77	83	76	77	83
	Heating	Nom.		m^3/min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69		70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
	Night quiet mode	Level 1		dBA	-				49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
		IU - IU	Max.	m	0.5						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

UATYQ-CY1

Remote Control

- 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

PLUG AND PLAY INSTALLATION

Heating & Cooling

Indoor unit					UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1
Cooling capacity	Nom.			kW	27.340	35.580	44.720	55,690.000	66.820	72.600
Heating capacity	Nom.			kW	24.910	34.790	41.790	53.930	61.690	69.610
Power input	Cooling	Nom.		kW	8.140	10.780	13.040	16.740	19.650	21.610
	Heating	Nom.		kW	7.330	10.840	12.860	15.540	18.580	21.420
EER					3.36	3.30	3.43	3.33	3.40	3.36
COP					3.40	3.21	3.25	3.47	3.32	3.25
Evaporator	Air flow rate	Cooling		m^3/min	93.6	121.8	160.2	189.6	206.7	235.02
	External static pressure			Pa	147				206	
Evaporator piping connections	Condensation drain size	OD		mm	25.4					
Condenser	Dimensions	Unit	HxWxD	mm	1,150x1,638x2,063	1,028x2,209x2,113	1,130x2,209x2,113	1,048x2,209x2,670	1,302x2,209x2,670	1,454x2,209x2,670
	Weight	Unit		kg	445	580	610	780	830	970
	Casing	Colour			Light grey					
		Material			Electro-galvanised mild steel					
	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 power level	Nom.		dBA	82	83		87	90	
	Refrigerant	Type			R-410A					
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415					

Economiser option

Indoor unit					ECONO250AY1	ECONO350AY1	ECONO450AY1	ECONO550AY1	ECONO600AY1	ECONO700AY1
Dimensions	Packed unit	Height		mm	534					
		Width		mm	1,440	1,430		1,458		
		Depth		mm	1,144	1,124		1,564		
Weight	Unit			kg	51	42	43	53	54	69
Packing	Weight			kg	152	140	141	165	166	181
Fan	Air flow rate	Cooling	Nom.	l/s	1,560	2,030	2,670	3,160	3,445	3,917
				cfm	3,300	4,300	5,650	6,700	7,300	8,300
Option for					UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1

UATYP-AY1(B)

UATYP-AY1(B)

REMOTE CONTROL

- 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

Heating & Cooling

Indoor unit					UATYP850AY1B	UATYPC10AY1	UATYPC12AY1
Cooling capacity	Nom.			kW	78.6	101.110	109.609
Heating capacity	Nom.			kW	87.78	102.290	126.314
Power input	Cooling	Nom.		kW	36.10	43.170	48.200
	Heating	Nom.		kW	32.10	41.670	46.800
EER					2.18	2.34	2.27
COP					2.73	2.45	2.70
Evaporator	Air flow rate	Cooling		m^3/min	263.33	312	354
	External static pressure			Pa	294		
Evaporator piping connections	Condensation drain size	OD		mm	25.40		
Condenser	Dimensions	Unit	HxWxD	mm	1,735x2,250x2,800	1,974x2,252x3,180	
	Weight	Unit		kg	1,350	1,510	1,600
	Casing	Colour			Light grey		
		Material			Electro-galvanised mild steel		
	Air flow rate	Cooling		cfm	-	20,000	
	Operation range	Cooling	Min.~Max.	°CDB	20~46		
		Heating	Min.~Max.	°CWB	-15~20		
	Sound power level	Nom.		dBA	-		
	Refrigerant	Type			R-407C		
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415		

GREAT NEWS

VRV IV SETS THE STANDARD … AGAIN

VRV IV

DAIKIN VRV IV sets the standard with revolutionary technologies, such as variable refrigerant temperature control and continuous heating during defrost for heat pump units. Its advanced VRV configurator software is a time-saver that simplifies commissioning, configuration and customisation. This is backed up by automatic refrigerant charging and remote refrigerant containment check allowing quick and easy installation.

Find out more on www.daikineurope.com/vrv-iv

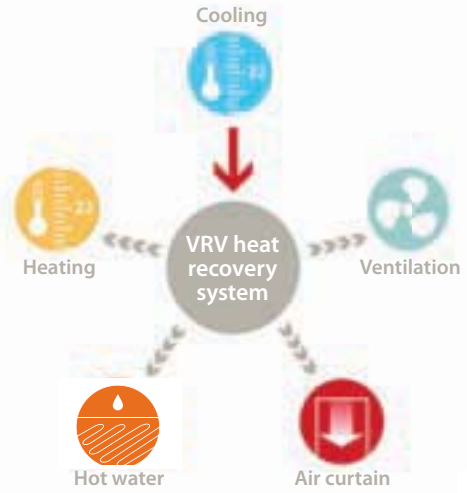
DAIKIN

MEDIUM TO LARGE COMMERCIAL APPLICATIONS

For more information on Options & Accessories, please refer to page 334 of this catalogue.

Total solution concept

The Daikin VRV Total Solution provides a single point of contact for the design and maintenance of your integrated climate control system. Our modular units enable you to select the right mix of equipment and technology to ensure that you achieve the optimal balance of temperature, humidity and air freshness for the perfect comfort zone with maximum energy efficiency and cost effectiveness.



HEATING AND COOLING

Wide range of indoor units that fit rooms of any size and shape

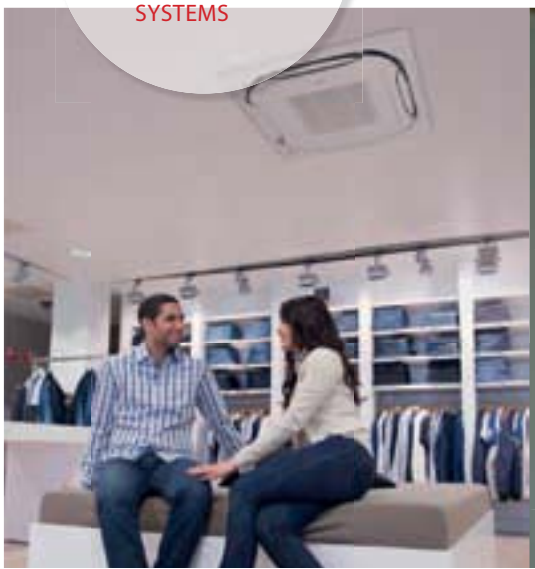
- Perfect comfort
- Whisper-quiet operation
- Stylish design
- Concealed installation possible

USER FRIENDLY CONTROL SYSTEMS

Full control for maximum efficiency

- From individual control to the management of multiple buildings
- User friendly touch screen control
- Remote control & monitoring via internet
- Zone control
- Energy management tools

+ SAVE UP TO 15% COMPARED TO TRADITIONAL SYSTEMS



VRV OUTDOOR UNITS

Integrated heat pump solution

- Solution for every climate from -25°C to +52°C[1]
- Flexible to fit any building
- Can be customized to your specific needs to achieve the highest seasonal efficiency
- The new standard in heating comfort

[1] Contact your local dealer

AIR SEPARATION THROUGH AIR CURTAINS

A highly efficient solution to doorway climate separation

- Most efficient open-door solution
- Air curtain heating for free
- Year-round comfort, even on the most demanding days

+ SAVE UP TO 72% COMPARED TO AN ELECTRIC AIR CURTAIN

VENTILATION

Create a high-quality indoor environment

- Heat is reclaimed between out and indoor air
- Free cooling
- Optimum control of humidity
- Air filtration ensures a steady supply of clean air

+ SAVE UP TO 40% THANKS TO LOWER COOLING AND HEATING REQUIREMENTS

HOT WATER

Use renewable energy to produce hot water

- Free heating of water possible
- Possibility to combine with solar panels
- Hot water for showers, sinks, tap water for cleaning, under floor heating or radiators
- Hot water up to 80°C

+ SAVE UP TO 17% COMPARED TO A GAS BOILER

Air cooled outdoor systems

VRV HEAT PUMP

› For either heating or cooling operation from one system

VRV IV HEAT PUMP

› Customize your VRV for best seasonal efficiency & comfort with Variable Refrigerant Temperature
› Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems
› VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
› Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, …)

VRVIII-S	VRVIII-C	VRV CLASSIC
VRVIII-S Heat Pump › Especially designed for small capacities › Space saving design › Either connect VRV or stylish indoor units: Daikin Emura, Nexura…	VRV Heat Pump optimised for heating › First system in the industry developed for heating operation at low ambient conditions. › Extended operation range for heating down to -25°C › Stable heating capacity and high efficiencies at low ambient temperatures (COP > 3 at -10°C outdoor temperature)	VRV Classic › For smaller projects with standard cooling & heating requirements › Connectable to all VRV indoor units, controls and ventilation

VRV HEAT RECOVERY

› For simultaneous heating and cooling from one system
› Heat exhausted from indoor units in the cooling cycle is merely transferred to units in areas requiring heat, maximising energy efficiency, reducing electricity costs and leading to high partload efficiencies (up to 9[1]).
› Operation range in cooling down to -20°C (technical cooling)

SMALL FOOTPRINT COMBINATION	HIGH COP COMBINATION	VRV heat recovery, with connection to HEATING ONLY HYDROBOX
› Optimized footprint within heat recovery range	› Top energy efficiency in Daikin heat recovery range	› Fully integrated system › Free hot water

[1] REYQ8P8 50% cooling – 50% heating load. Conditions: outdoor temperature 11°CDB, indoor temperature 18°CWB, 22°CDB.

REPLACEMENT VRV

› For cost-effective upgrade from R-22/R-407C to R-410A

› Increased energy efficiency compared to R-22/R-407C systems
› Fast installation compared to total system replacement (re-use of existing piping and in some cases indoor units)
› Available in heat recovery and heat pump

Water cooled outdoor systems

- Allows heat recovery within the total building, thanks to the storage of energy in the water circuit.
- Compact design and stacked configuration possible.
- Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping.

VRV-W HEAT RECOVERY

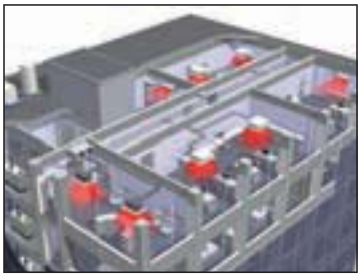
STANDARD SERIES

- For simultaneous heating and cooling from one refrigerant system

GEOTHERMAL SERIES

- No need for an external heating or cooling source
- Heating with ground sourced water as a renewable energy source
- Extension of the operation range of inlet water temperature down to -10°C in heating mode

VRV-W HEAT PUMP



STANDARD SERIES

- For either heating or cooling operation from one refrigerant system

GEOTHERMAL SERIES

- No need for an external heating or cooling source
- Heating with ground sourced water as a renewable energy source
- Extension of the operation range of inlet water temperature down to -10°C in heating mode

Product overview - VRV outdoor

System	Type	Product name		4	5	6	8	10	12	14	16	18	20	22
Cooling capacity (kW)[1]				12.6	14.0	15.5	22.4	28.0	33.5	40.0	45.0	49.0	55.9	61.5
Heating capacity (kW)[2]				14.2	16.0	18.0	25.0	31.5	37.5	45.0	50.0	56.5	62.5	69.0
AIR COOLED	HEAT PUMP	VRV IV RYYQ-T Heat pump with continuous heating												
		VRV IV RXYQ-T Heat pump without continuous heating												
		VRV III-S RXYSQ-P8V1 (Single phase) RXYSQ-P8Y1 (Three phase)												
		VRV III-C RTSYQ-PA Heat pump optimised for heating												
		VRV Classic RXYCQ-A												
	HEAT RECOVERY	VRV III REYQ-P8/P9 Small footprint combination												
		VRV III REYHQ-P High COP combination												
		VRV III REYAQ-P for connection with heating only hydrobox												
Cooling capacity (kW)[3]							22.4	26.7			44.8	49.1	53.4	
Heating capacity (kW)[4]							25.0	31.5			50.0	56.5	63.0	
WATER COOLED	STANDARD SERIES H/R - H/P	VRV-W III RWEYQ-P												
	GEO-THERMAL SERIES H/R - H/P	VRV-W III RWEYQ-PR												

System	Type	Product name		4	5	8	10	12	13	14	16	18	20	22
Capacity class					140		280		360		460	500	540	636
Cooling capacity (kW)[1] HR/HP					-/14.0	-/22.4	28.0/28.0	-/33.5	36.0/-	-/40.0		50.0/50.4	54.0/55.9	63.6/61.
Heating capacity (kW)[2] HR/HP					-/16.0	-/25.0	32.0/31.5	-/37.5	40.0/-	-/45.0	52.0/50.0	56.0/56.5	60.0/62.5	67.2/69.
AIR COOLED	REPLACEMENT VRV HEAT RECOVERY - HEAT PUMP	VRV III-Q RQYQ-P VRVIII-Q - H/P												
		VRV III-Q RQCEQ-P VRVIII-Q - H/R												

Single unit

Multi combination

[1] Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, inlet water temperature : 30°C, equivalent refrigerant piping : 7.5m, level difference : 0m.
[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m.
[3] Nominal cooling capacities are based on: indoor temperature : 27°CDB, 19°CWB, inlet water temperature : 30°C, equivalent refrigerant piping : 7.5m, level difference : 0m
[4] Nominal heating capacities are based on: indoor temperature : 20°CDB, inlet water temperature : 20°C, equivalent refrigerant piping : 7.5m, level difference : 0m

Capacity (HP)

24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
67.0	71.4	77.0	82.5	89.0	94.0	98.0	105.0	111.0	116.0	120.0	126.0	132.0	138.0	143.0	147.0
75.0	81.5	88.0	94.0	102.0	107.0	113.0	119.0	126.0	132.0	138.0	145.0	151.0	158.0	163.0	170.0

Indoor units		Ventilation			Air curtain	Hydrobox connection		Control systems		
+	•	+	+	•	+	+	x	+	+	+
+	•	+	+	•	+	+	x	+	+	+
+	•	+	x	+	+	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	x	x	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	+	+	x	+	+	+	+
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+

24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
67.2	71.5	75.8	80.1												
75.0	81.5	88.0	94.5												

Indoor units		Ventilation			Air curtain	Hydrobox connection		Control systems		
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+

Capacity (HP)

24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
712	744	816	848												
.5 71.2/67.0	74.4/73.0	81.6/78.5	84.4/85.0	-/90.0	-/96.0	-/101.0	-/107.0	-/112.0	-/118.0	-/124.0	-/130.0	-/135.0			
.0 78.4/75.0	80.8/81.5	87.2/87.5	89.6/95.0	-/100.0	-/108.0	-/113.0	-/119.0	-/125.0	-/132.0	-/138.0	-/145.0	-/150.0			

VRV type indoor units (such as FXSQ)	Residential type indoor units (such as Daikin Emura)[5]	Heat Reclaim ventilation (such as VAM)	Fresh air indoor units (such as FXMQ-MF)	AHU connection kit (such as EKEXV)	Biddle Air curtain for VRV (CYV)	Low temperature hydrobox for VRV	High temperature hydrobox for VRV	Individual control (such as BRC[6])	Centralised control (such as DCS3*/DST[6])	Network solutions (such as DCS6*/DAM/DMS[6])
+	x	+	+	+	+	x	x	+	+	+
+	x	+	+	+	+	x	x	+	+	+

[5] BP-box required
[6] Exact control possibilities depend on the selected system components
+ All + components can be connected together to 1 system
• Can be connected, but not in combination with other components
x Can not be connected

VRV +
3 revolutionary standards

Variable Refrigerant Temperature

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort:

Revolutionary variable refrigerant temperature control automatically adapts the system to individual building and climate requirements for greater efficiency and comfort.

- Annual cost savings up to 28%
- Optimise the match of building requirements with comfort and efficiency
- Automatic adjustment of refrigerant temperature guarantees customer satisfaction

Continuous comfort

The new standard in heating comfort:

Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems.

- Unique continuous heating technology
- The best alternative to traditional heating systems

VRV configurator

Software for simplified commissioning, configuration and customisation

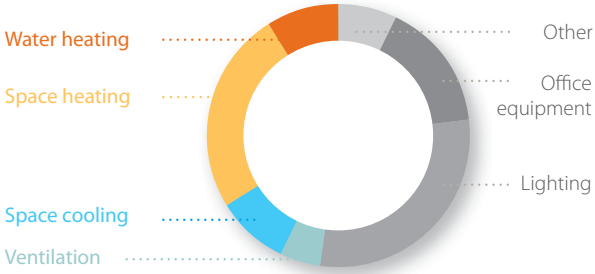
Simplified commissioning: graphical interface to configure, commission and upload system settings.

Simplified servicing: additional 7-segment indicator for easy and quick access to basic functions and error read out.

- Less time needed for commissioning
- Manage multiple systems in exactly the same way
- Retrieve initial system settings

Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact

Manage up to 50% of your building's energy consumption



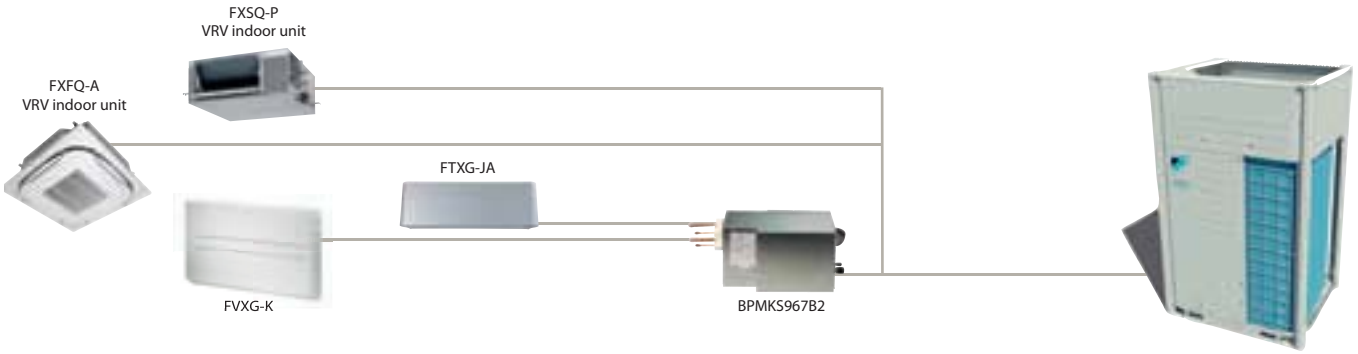
Source: EIA; Commercial buildings Energy consumption survey

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.

Simplified servicing

The 7-segment indicator saves time through:
- easy-to-read error report.
- indication of basic service parameters to quickly check basic functions.
- clear menu indicating quick and easy on-site settings.

Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)



Connectable indoor units

	15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura – Wall mounted unit			FTXG25JW FTXG25JA	FTXG35JW FTXG35JA		FTXG50JW FTXG50JA		
Wall mounted unit	CTXS15K	FTXS20K	FTXS25K	FTXS35K CTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G
Nexura – Floor standing unit			FVXG25K	FVXG35K		FVXG50K		
Floor standing unit			FVXS25F	FVXS35F		FVXS50F		
Flexi type unit			FLXS25B	FLXS35B		FLXS50B	FLXS60B	

BPMKS box needed to connect RA indoors to VRV IV

RYYQ8-12T
RXYQ8-12T

VRV IV

- Customize your VRV for best seasonal efficiency & comfort with Variable Refrigerant Temperature
- Minimum of 28% higher seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems (only for RYYQ-T)
- VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- Temperature control, fresh air provision, Biddle air curtains and hot water production all integrated in a single system
- 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
- Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Wide range of indoor units: combine VRV indoor units and stylish indoor units as Daikin Emura, Nexura ...
- Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extented lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- Available as heating only by irreversible field setting

Outdoor unit					RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.		kW	5.2	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.		kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0
EER					4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER					7.53 (1)	7.20 (1)	6.96 (1)	6.83 (1)	6.50 (1)	6.38 (1)	5.67 (1)
COP					4.55	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units					64 (2)						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	261	268		364		398	
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Piping connections	Liquid	OD		mm	9.52		12.7		15.9		
	Gas	OD		mm	19.1	22.2	28.6				
	Piping length	OU - IU	Max.	m	165 (3)						
	Total piping length	System	Actual	m	1,000 (3)						
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor system					RYYQ22T	RYYQ24T	RYYQ26T	RYYQ28T	RYYQ30T	RYYQ32T	RYYQ34T	RYYQ36T
System	Outdoor unit module 1				RYMQ10T	RYMQ8T	RYMQ12T			RYMQ16T		
	Outdoor unit module 2				RYMQ12T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ16T	RYMQ18T	RYMQ20T
Capacity range				HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.			kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.		kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.		kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER					3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER					7.07 (1)	6.81 (1)	6.89 (1)	6.69 (1)	6.60 (1)	6.50 (1)	6.44 (1)	6.02 (1)
COP					4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units					64 (2)							
Piping connections	Liquid	OD		mm	15.9		19.1					
	Gas	OD		mm	28.6	34.9						41.3
	Piping length	OU - IU	Max.	m	165 (3)							
	Total piping length	System	Actual	m	1,000 (3)							
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position							
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80			

Outdoor system					RYYQ38T	RYYQ40T	RYYQ42T	RYYQ44T	RYYQ46T	RYYQ48T	RYYQ50T	RYYQ52T	RYYQ54T
System	Outdoor unit module 1				RYMQ8T	RYMQ10T		RYMQ12T	RYMQ14T	RYMQ16T			RYMQ18T
	Outdoor unit module 2				RYMQ10T	RYMQ12T	RYMQ16T					RYMQ18T	
	Outdoor unit module 3				RYMQ20T	RYMQ18T	RYMQ16T				RYMQ18T		
Capacity range				HP	38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.			kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.		kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.		kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER					3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER					6.36 (1)	6.74 (1)	6.65 (1)	6.62 (1)	6.60 (1)	6.50 (1)	6.46 (1)	6.42 (1)	6.38 (1)
COP					4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	3.89
Maximum number of connectable indoor units					64 (2)								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	41.3								
	Piping length	OU - IU	Max.	m	165 (3)								
	Total piping length	System	Actual	m	1,000 (3)								
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position								
Current - 50Hz	Maximum fuse amps (MFA)			A	100					125			

Outdoor unit module					RYMQ8T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ20T
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	188	195		309		319	
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

(1) The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) (2) 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%) (3) Refer to technical specifications for more detail

VRV IV

Outdoor unit					RXYQ8T	RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ20T
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.		kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.		kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0
EER					4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER					7.53 (1)	7.20 (1)	6.96 (1)	6.83 (1)	6.50 (1)	6.38 (1)	5.67 (1)
COP					4.54	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units					64 (2)						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	-						
Sound power level	Cooling	Nom.		dBA	78	79	81		86		88
Sound pressure level	Cooling	Nom.		dBA	58		61		64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Piping connections	Liquid	OD		mm	9.52		12.7		15.9		
	Gas	OD		mm	19.1	22.2	28.6				
	Piping length	OU - IU	Max.	m	165 (3)						
	Total piping length	System	Actual	m	1,000 (3)						
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor system					RXYQ22T	RXYQ24T	RXYQ26T	RXYQ28T	RXYQ30T	RXYQ32T	RXYQ34T	RXYQ36T
System	Outdoor unit module 1				RXYQ10T	RXYQ8T	RXYQ12T			RXYQ16T		
	Outdoor unit module 2				RXYQ12T	RXYQ16T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ16T	RXYQ18T	RXYQ20T
Capacity range				HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.			kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.		kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.		kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER					3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER					7.07 (1)	6.81 (1)	6.89 (1)	6.69 (1)	6.60 (1)	6.50 (1)	6.44 (1)	6.02 (1)
COP					4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units					64 (2)							
Piping connections	Liquid	OD		mm	15.9		19.1					
	Gas	OD		mm	28.6	34.9						41.3
	Piping length	OU - IU	Max.	m	165 (3)							
	Total piping length	System	Actual	m	1,000 (3)							
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position							
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80			

Outdoor system					RXYQ38T	RXYQ40T	RXYQ42T	RXYQ44T	RXYQ46T	RXYQ48T	RXYQ50T	RXYQ52T	RXYQ54T
System	Outdoor unit module 1				RXYQ8T	RXYQ10T		RXYQ12T	RXYQ14T	RXYQ16T			RXYQ18T
	Outdoor unit module 2				RXYQ10T	RXYQ12T	RXYQ16T					RXYQ18T	
	Outdoor unit module 3				RXYQ20T	RXYQ18T	RXYQ16T				RXYQ18T		
Capacity range				HP	38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.			kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.		kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.		kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER					3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER					6.36 (1)	6.74 (1)	6.65 (1)	6.62 (1)	6.60 (1)	6.50 (1)	6.46 (1)	6.42 (1)	6.38 (1)
COP					4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	3.89
Maximum number of connectable indoor units					64 (2)								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	41.3								
	Piping length	OU - IU	Max.	m	165 (3)								
	Total piping length	System	Actual	m	1,000 (3)								
	Level difference	OU - IU		m	90 (3) Outdoor unit in highest position / 90 (3) Indoor unit in highest position								
Current - 50Hz	Maximum fuse amps (MFA)			A	100					125			

(1) The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation) (2) 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%) (3) Refer to technical specifications for more detail

RXYSQ-P8V1
RXYSQ-P8Y1

VRV III-S

- For residential and light commercial applications
- Energy efficient heating system based on air source heat pump technology
- Low energy bills and low CO_2 emissions
- Possibility to connect up to 9 indoor units
- All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time.
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended, round flow or 4-way blow cassettes
- Small capacities: 4, 5 & 6HP
- Slim design for flexible installation
- 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand

Heating & Cooling

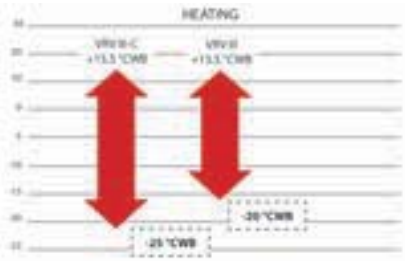
Outdoor unit					RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1	RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1
Capacity range				HP	4	5	6	4	5	6
Cooling capacity	Nom.			kW	12.6	14.0	15.5	12.6	14.0	15.5
Heating capacity	Nom.			kW	14.2	16.0	18.0	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53	3.33	3.61	4.66
	Heating	Nom.		kW	3.12	3.86	4.57	3.21	3.97	4.70
EER					3.89	3.99	3.42	3.78	3.88	3.33
COP					4.55	4.15	3.94	4.42	4.03	3.83
Maximum number of connectable indoor units					8 (1) / 8 (2)	10 (1) / 9 (2)	12 (1) / 9 (2)	8 (1) / 8 (2)	10 (1) / 9 (2)	12 (1) / 9 (2)
Indoor index connection	Min.				50	62.5	70	50	62.5	70
	Nom.				-					
	Max.				130	162.5	182	130	162.5	182
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320					
Weight	Unit			kg	120					
Sound power level	Cooling	Nom.		dBA	66	67	69	66	67	69
Sound pressure level	Cooling	Nom.		dBA	50	51	53	50	51	53
	Heating	Nom.		dBA	52	53	55	52	53	55
Operation range	Cooling	Min.~Max.		°CDB	-5~46					
	Heating	Min.~Max.		°CWB	-20~15.5					
Refrigerant	Type				R-410A					
Piping connections	Liquid	OD		mm	9.52					
	Gas	OD		mm	15.9 (1) / 19.1 (2)	15.9 (1) / 19.1 (2)	19.1	15.9 (1) / 19.1 (2)	15.9 (1) / 19.1 (2)	19.1
	Total piping length	System	Actual	m	300 (1) / 115 (2)	300 (1) / 135 (2)	300 (1) / 145 (2)	300 (1) / 115 (2)	300 (1) / 135 (2)	300 (1) / 145 (2)
	Level difference	OU - IU		m	50(1) / 40(2) (Outdoor unit in highest position) / 30 (Indoor unit in highest position)					
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	32.0			16.0		

(1) In case VRV indoor units are connected (2) In case RA indoors are connected

RTSYQ14-16PA

VRV III-C

- First system in the industry developed for heating operation in low ambient conditions, making it suitable for single source heating
- Extended operation range down to -25°C in heating



- High COP values at low ambients thanks to the two stage compression technology (COP values of 3.0 and more at -10°C)
- Improved comfort thanks to shorter defrost time
- Shorter heat up time compared to standard VRVIII heat pump
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Connectable to all VRV indoor units, ventilation and control systems

Heating & Cooling

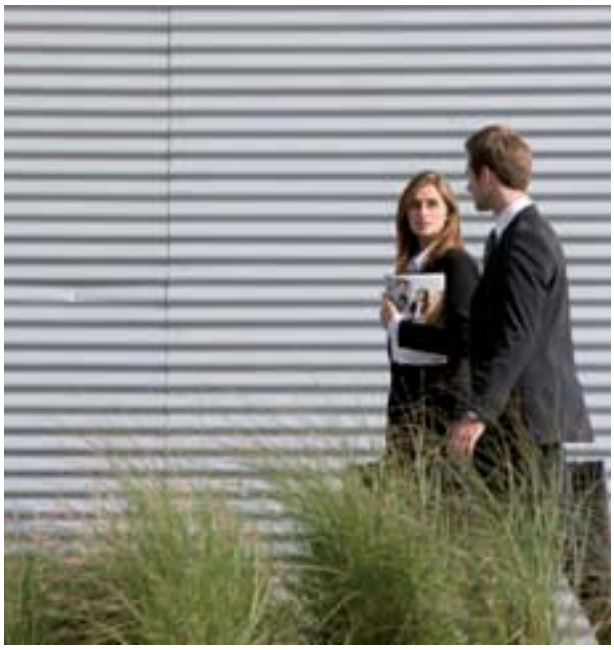
Outdoor system					**RTSYQ10PA**	**RTSYQ14PA**	**RTSYQ16PA**	**RTSYQ20PA**
System	Outdoor unit module 1				RTSQ10PA	RTSQ14PA	RTSQ16PA	RTSQ8PA
	Outdoor unit module 2				-			RTSQ12PA
	Function unit				BTSQ20P			
Capacity range				HP	10	14	16	20
Cooling capacity	Nom.			kW	28.0 (1)	40.0 (1)	45.0 (1)	56.0 (1)
Heating capacity	Nom.			kW	31.5 (2) / 28.0 (3)	45.0 (2) / 40.0 (3)	50.0 (2) / 45.0 (3)	63.0 (2) / 55.9 (3)
Power input - 50Hz	Cooling	Nom.		kW	7.90 (1)	12.6 (1)	14.9 (1)	15.4 (1)
	Heating	Nom.		kW	7.78 (2) / 8.18 (3)	11.4 (2) / 12.8 (3)	13.0 (2) / 15.0 (3)	15.4 (2) / 18.7 (3)
EER					3.54 (1)	3.17 (1)	3.02 (1)	3.64 (1)
COP					4.05 (2) / 3.42 (3)	3.95 (2) / 3.13 (3)	3.85 (2) / 3.00 (3)	4.09 (2) / 2.99 (3)
Maximum number of connectable indoor units					21	30	34	43
Sound pressure level	Cooling	Max./Nom.		dBA	62/60	63/61	65/63	
Piping connections	Liquid	OD		mm	9.52	12.7		15.9
	Gas	OD		mm	22.2	28.6		
	Oil equalizing	OD		mm	-			19.1
	Piping length	OU - IU	Max.	m	165			
	Total piping length	System	Actual	m	500			
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	35	40	50

(1) Cooling: Indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (2) Heating: Indoor temp. 20°CDB; outdoor temp. 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (3) Heating: Indoor temp. 20°CDB; outdoor temp. -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m

Outdoor unit module				**BTSQ20P**	**RTSQ8PA**	**RTSQ10PA**	**RTSQ12PA**	**RTSQ14PA**	**RTSQ16PA**
Dimensions	Unit	HeightxWidthxDepth	mm	1,570x460x765	1,680x930x765			1,680x1,240x765	
Weight	Unit		kg	110	205	257		338	344
Sound power level	Cooling	Nom.	dBA	-					
Operation range	Cooling	Min.~Max.	°CDB	-5~43					
	Heating	Min.~Max.	°CWB	-25~15.5					
Refrigerant	Type			R-410A					
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25			35	40

RXYCQ14-20A

VRV Classic



- For smaller projects with standard cooling & heating requirements
- Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Connectable to all standard VRV indoor units, controls and ventilation
- For latest information, see page 349

Heating & Cooling

Outdoor unit					*RXYCQ8A	*RXYCQ10A	*RXYCQ12A	*RXYCQ14A	*RXYCQ16A	*RXYCQ18A	*RXYCQ20A
Capacity range				HP	to be confirmed						
Cooling capacity	Nom.			kW	20.0	25.0	30.0	35.0	40.0	45.0	50.0
Heating capacity	Nom.			kW	22.4	28.00	33.6	37.5	44.8	50.4	56.0
Power input - 50Hz	Cooling	Nom.		kW	to be confirmed						
	Heating	Nom.		kW	to be confirmed						
EER					3.03	3.71	3.42	3.07	3.10	3.00	2.81
COP					3.86	4.00	3.90	3.85	3.80	3.65	3.50
Maximum number of connectable indoor units					to be confirmed						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Nom.				200	250	300	350	400	450	500
	Max.				200	250	360	420	480	540	600
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,680x930x765		1,680x1,240x765			
Weight	Unit			kg	to be confirmed						
Sound power level	Cooling	Nom.		dBA	to be confirmed						
Sound pressure level	Cooling	Nom.		dBA	58	59	61	61	64	65	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type				R-410A						
Piping connections	Liquid	OD		mm	9.52			12.7			15.9
	Gas	OD		mm	15.9	19.1	22.2	28.6	28.6	28.6	28.6
	Piping length	OU - IU	Max.	m	135						
	Total piping length	System	Actual	m	300						
	Level difference	OU - IU		m	30 (Outdoor unit in highest position)						
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415						

*Note: grey cells contain preliminary data

(1) Connection ratio is 50~120%. If only FXFQ20,25 units are connected, maximum connection ratio is 100%

REYQ8-16P8/P9

- Increased EER/COP thanks to the redesigned 8 and 12HP stand alone units and 8HP modular unit
- Wide range of outdoor units: from 8 to 48HP in 2HP increment steps (21 system combinations)
- Its ability to run no less than 64 indoor units in heat recovery mode cannot at present be matched by other comparable systems
- Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- Continuous heating (resulting in a higher integrated heating capacity)
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Wide piping flexibility: maximum piping length: 165m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated; the system can be shut down completely in unoccupied rooms.
- Quick cool/heat change over
- Improved refrigerant containment check
- 2 steps in night quiet mode: step 1: 50 dBA, step 2: 45 dBA
- Possibility to extend the operation range in cooling down to -20°C

REYQ-P8/P9		8	10	12	14	16	18	20	22	24	26	28
Stand alone units	REYQ8P9	1					Not Applicable					
	REYQ10P8		1									
	REYQ12P9			1								
	REYQ14P8				1							
	REYQ16P8					1						
Modular units	REMQ8P9	Not Applicable					1	1				
	REMQ10P8						1		1		1	
	REMQ12P8							1	1	2		1
	REMQ14P8											
	REMQ16P8										1	1

REYQ-P8/P9		30	32	34	36	38	40	42	44	46	48
Stand alone units	REYQ8P9	Not Applicable									
	REYQ10P8										
	REYQ12P9										
	REYQ14P8										
	REYQ16P8										
Modular units	REMQ8P9			1	1						
	REMQ10P8			1		1		1			
	REMQ12P8				1	1	2		1		
	REMQ14P8	1								1	
	REMQ16P8	1	2	1	1	1	1	2	2	2	3

Heat recovery

Outdoor unit					REYQ8P9	REYQ10P8	REYQ12P9	REYQ14P8	REYQ16P8
Capacity range				HP	8	10	12	14	16
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0
Power input - 50Hz	Cooling	Nom.		kW	5.20	7.09	8.72	11.4	14.1
	Heating	Nom.		kW	5.71	7.38	8.84	11.0	12.8
EER					4.31	3.95	3.84	3.51	3.19
COP					4.38	4.27	4.24	4.09	3.91
Maximum number of connectable indoor units					17	21	26	30	34
Indoor index connection	Min.				100	125	150	175	200
	Nom.				200	250	300	350	400
	Max.				260	325	390	455	520
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x1,300x765				
Weight	Unit			kg	331			339	
Sound power level	Cooling	Nom.		dBA	78		80	83	84
Sound pressure level	Cooling	Nom.		dBA	58		60	62	63
Operation range	Cooling	Min.~Max.		°CDB	-20 / -5~43				
	Heating	Min.~Max.		°CWB	-20~15.5				
Refrigerant	Type				R-410A				
Piping connections	Liquid	OD		mm	9.52		12.7		
	Gas	OD		mm	19.1	22.2	28.6		
	Discharge gas	OD		mm	15.9	19.10		22.2	
	Piping length	OU - IU	Max.	m	165				
	Total piping length	System	Actual	m	1,000				
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)				
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		40	

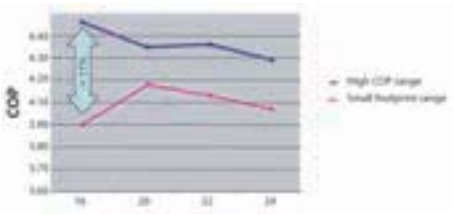
Outdoor system					REYQ18P9	REYQ20P9	REYQ22P8	REYQ24P8	REYQ26P8	REYQ28P8	REYQ30P8	REYQ32P8
System	Outdoor unit module 1				REMQ8P9		REMQ10P8	REMQ12P8	REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
	Outdoor unit module 2				REMQ10P8		REMQ12P8		REMQ16P8			
Capacity range				HP	18	20	22	24	26	28	30	32
Cooling capacity	Nom.			kW	50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
Heating capacity	Nom.			kW	56.5	62.5	69.0	75.0	81.5	87.5	95.0	100
Power input - 50Hz	Cooling	Nom.		kW	12.7	14.9	17.0	19.2	21.8	23.8	26.6	28.4
	Heating	Nom.		kW	13.4	15.2	17.1	18.9	20.6	22.3	24.2	25.8
EER					3.97	3.75	3.62	3.49	3.35	3.29	3.19	3.16
COP					4.22	4.11	4.04	3.97	3.96	3.92		3.87
Maximum number of connectable indoor units					39	43	47	52	56	60	64	
Sound power level	Cooling	Nom.		dBA	81	83						
Sound pressure level	Cooling	Nom.		dBA	61	62	63					
Piping connections	Liquid	OD		mm	15.9				19.1			
	Gas	OD		mm	28.6			34.9				
	Discharge gas	OD		mm	22.2	28.6						
	Oil equalizing	OD		mm	19.1							
	Piping length	OU - IU	Max.	m	165							
	Total piping length	System	Actual	m	1,000							
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)							
Current - 50Hz	Maximum fuse amps (MFA)			A	45	50			60		70	

Outdoor system					REYQ34P9	REYQ36P9	REYQ38P8	REYQ40P8	REYQ42P8	REYQ44P8	REYQ46P8	REYQ48P8
System	Outdoor unit module 1				REMQ8P9		REMQ10P8	REMQ12P8	REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
	Outdoor unit module 2				REMQ10P8		REMQ12P8		REMQ16P8			
	Outdoor unit module 3				REMQ16P8							
Capacity range				HP	34	36	38	40	42	44	46	48
Cooling capacity	Nom.			kW	95.4	101	107	112	118	124	130	135
Heating capacity	Nom.			kW	107	113	119	125	132	138	145	150
Power input - 50Hz	Cooling	Nom.		kW	26.9	29.1	31.2	33.4	35.8	38.0	40.8	42.6
	Heating	Nom.		kW	26.3	28.1	30.0	31.8	33.5	35.2	37.1	38.7
EER					3.55	3.47	3.43	3.35	3.29	3.26	3.18	3.16
COP					4.07	4.02	3.96	3.93	3.94	3.92	3.90	3.87
Maximum number of connectable indoor units					64							
Sound power level	Cooling	Nom.		dBA	84	85						
Sound pressure level	Cooling	Nom.		dBA	64		65					
Piping connections	Liquid	OD		mm	19.1							
	Gas	OD		mm	34.9	41.3						
	Discharge gas	OD		mm	28.6		34.9					
	Oil equalizing	OD		mm	19.1							
	Piping length	OU - IU	Max.	m	165							
	Total piping length	System	Actual	m	1,000							
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)							
Current - 50Hz	Maximum fuse amps (MFA)			A	80		90		100		110	

Outdoor unit module					REMQ8P8	REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765			1,680x1,240x765	
Weight	Unit			kg	204	254		334	
Sound power level	Cooling	Nom.		dBA	78		80		
Operation range	Cooling	Min.~Max.		°CDB	-5~43				
	Heating	Min.~Max.		°CWB	-20~15				
Refrigerant	Type				R-410A				
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)			A	25			40	

REYHQ16P

- Top energy efficiency in Daikin heat recovery range, thanks to the redesigned 8HP modular unit and newly developed 12HP high COP modular unit



- Wide range of indoor units: 15 different models in a total of 76 variations
- Continuous heating (resulting in a higher integrated heating capacity)
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Wide piping flexibility: maximum piping length: 165m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated; the system can be shut down completely in unoccupied rooms.
- Quick cool/heat change over
- Improved refrigerant containment check
- 2 steps in night quiet mode: step 1: 50 dBA, step 2: 45 dBA
- Possibility to extend the operation range in cooling down to -20°C

Heat recovery

Outdoor system					**REYHQ16P**	**REYHQ20P**	**REYHQ22P**	**REYHQ24P**
System	Outdoor unit module 1				REMQ8P9		REMQ10P8	REMHQ12P8
	Outdoor unit module 2				REMQ8P9	REMHQ12P8		
Capacity range				HP	16	20	22	24
Cooling capacity	Nom.			kW	45.0	56.0	61.5	67.0
Heating capacity	Nom.			kW	50.0	62.5	69.0	75.0
Power input - 50Hz	Cooling	Nom.		kW	10.5	13.9	16.0	17.2
	Heating	Nom.		kW	11.5	14.3	16.3	17.2
EER					4.29	4.04	3.84	3.89
COP					4.36		4.24	4.37
Maximum number of connectable indoor units					34	43	47	52
Sound power level	Cooling	Nom.		dBA	82	85		87
Sound pressure level	Cooling	Nom.		dBA	62	64		66
Piping connections	Liquid	OD		mm	12.7	15.9		
	Gas	OD		mm	28.6			34.9
	Piping length	OU - IU	Max.	m	165			
	Total piping length	System	Actual	m	1,000			
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Current - 50Hz	Maximum fuse amps (MFA)			A	50	63		80

Outdoor unit module				**REMQ8P9**	**REMQ10P8**	**REMHQ12P8**
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x930x765		1,680x1,300x765
Weight	Unit		kg	204	254	331
Sound power level	Cooling	Nom.	dBA	78		-
Operation range	Cooling	Min.~Max.	°CDB	-5~43		
	Heating	Min.~Max.	°CWB	-20~15		
Refrigerant	Type			R-410A		
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	25		40

REYAQ-P

- Temperature control, fresh air provision, Biddle air curtains and hot water production all integrated in a single system
- Heat recovery maximises energy efficiency with COPs of up to 8 possible!
- Free heating provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- Perfect comfort: simultaneous heating and cooling
- Compact size leaves maximum floorspace
- Fits any building with either outdoor or indoor installation possible (high external static pressure up to 78.4Pa)
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Wide range of indoor units: 15 different models in a total of 76 variations

Heat recovery

Outdoor unit					**REYAQ10P**	**REYAQ12P**	**REYAQ14P**	**REYAQ16P**
Capacity range				HP	10	12	14	16
Cooling capacity	Nom.			kW	28	33.5	40	45
Heating capacity	Nom.			kW	31.5	37.5	45	50
Power input - 50Hz	Cooling	Nom.		kW	7.09	8.72	11.4	14.1
	Heating	Nom.		kW	7.38	8.84	11.0	12.8
EER					3.95	3.84	3.51	3.19
COP					4.27	4.24	4.09	3.91
Maximum number of connectable indoor units					21	26	30	34
Indoor index connection	Min.				125	150	175	200
	Nom.				250	300	350	400
	Max.				325	390	455	520
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x1,300x765			
Weight	Unit			kg	331		339	
Sound power level	Cooling	Nom.		dBA	78	80	83	84
Sound pressure level	Cooling	Nom.		dBA	58	60	62	63
Operation range	Cooling	Min.~Max.		°CDB	-5~43			
	Heating	Min.~Max.		°CWB	-20~15.5			
	Hot water production	Space heating	Min.~Max.	°CDB	-20~20 / 24 (1)	-20~20 / 24 (1)	-20~20 / 24 (1)	-20~20 / 24 (1)
		Domestic hot water	Min.~Max.	°CDB	-20~43			
Refrigerant	Type				R-410A			
Piping connections	Liquid	OD		mm	9.52	12.7		
	Gas	OD		mm	22.2	28.6		
	Discharge gas	OD		mm	19.1		22.2	
	Piping length	OU - IU	Max.	m	100			
	Total piping length	System	Actual	m	300			
	Level difference	OU - IU		m	40 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25		40	

(1) Field setting

BSVQ-P8

Individual branch selector for VRV heat recovery

BSVQ-P8

- Allows individual cool / heat switching of 1 group of indoor units
- Maximum design flexibility because individual and multi boxes can be combined in one system
- Low built-in height
- No drain piping needed
- Allows multi tenant applications (option PCB required)

Heat recovery

					BSVQ100P8	BSVQ160P8	BSVQ250P8
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
Casing	Material				Galvanised steel plate		Galvanised steel
Dimensions	Unit	HeightxWidthxDepth		mm	207x388x326		
Weight	Unit			kg	12		15
Piping connections	Outdoor unit	Liquid	Type/OD	mm	Brazing connection/9.5		
		Gas	Type/OD	mm	Brazing connection/15.9	Brazing connection/15.9	Brazing connection/22.2
		Discharge gas	Type/OD	mm	Brazing connection/12.7	Brazing connection/12.7	Brazing connection/19.1
	Indoor unit	Liquid	Type/OD	mm	Brazing connection/9.5	Brazing connection/9.5	
		Gas	Type/OD	mm	Brazing connection/15.9		Brazing connection/22.2
Sound absorbing thermal insulation					Foamed polyurethane, frame resisting needle felt		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Total circuit	Maximum fuse amps (MFA)			A	15		

BSV4/6Q-PV

Multi branch selector for VRV heat recovery

BSV4Q100PV

- Faster installation thanks to a reduced number of brazing points and wiring
- Allows individual cool / heat switching for up to 4 groups of indoor units
- Maximum design flexibility because individual and multi boxes can be combined in one system
- Low built-in height
- No drain piping needed

Heat recovery

					BSV4Q100PV	BSV6Q100PV
Power input	Cooling	Nom.		kW	0.020	0.030
	Heating	Nom.		kW	0.020	0.030
Maximum number of connectable indoor units					24	36
Maximum number of connectable indoor units per branch					6	
Number of branches					4	6
Maximum capacity index of connectable indoor units					400	600
Maximum capacity index of connectable indoor units per branch					100	
Casing	Material				Galvanised steel plate	
Dimensions	Unit	HeightxWidthxDepth		mm	209x1,053x635	209x1,577x635
Weight	Unit			kg	60	89
Piping connections	Outdoor unit	Liquid	Type/OD	mm	Brazing connection/12.7	Brazing connection/15.9
		Gas	Type/OD	mm	Brazing connection/28.6	
		Discharge gas	Type/OD	mm	Brazing connection/19.1	Brazing connection/28.6
	Indoor unit	Liquid	Type/OD	mm	Brazing connection/9.5	
		Gas	Type/OD	mm	Brazing connection/15.9	
Sound absorbing thermal insulation					Foamed polyurethane, frame resisting needle felt	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Total circuit	Maximum fuse amps (MFA)			A	15	

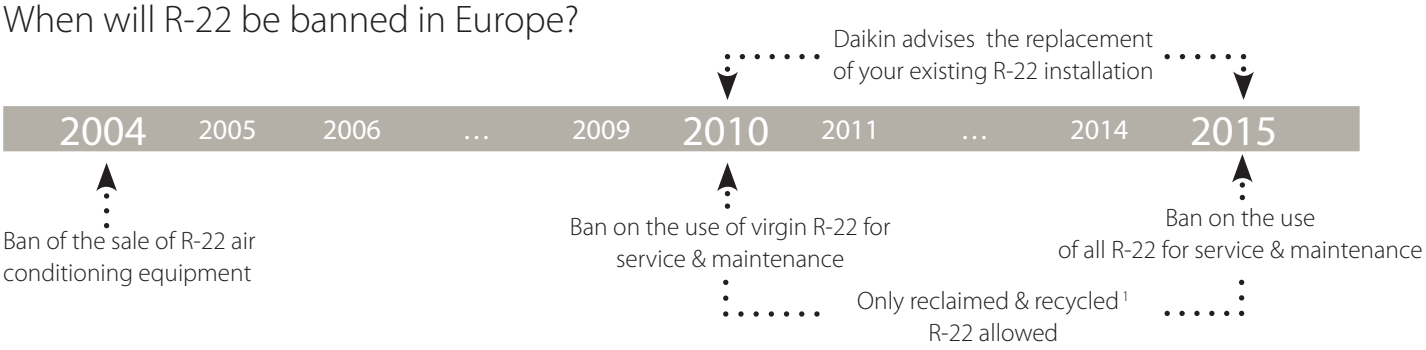
THE DAIKIN SOLUTION TO R-22 PHASE-OUT

Replace your R-22 / R-407C outdoor unit with R-410A technology, but keep your refrigerant piping and in some cases your indoor units[1].

1. Replace outdoor unit
2. Replace BS-boxes (in case of H/R)
3. Replace indoor units (check with your local dealer if needed)
4. The system will automatically clean the piping & charge the correct amount of R-410A refrigerant

* When R-22 indoors are K-series or later, it is possible to keep the indoor units.

When will R-22 be banned in Europe?

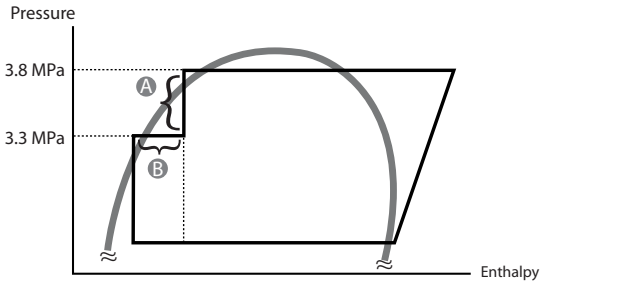


[1] Recycled: re-use of R-22 following a basic cleaning process. Recycled R-22 must be re-used by the same company that carried out the recovery (can be done by installer)
Reclaimed: reprocessed R-22 in order to meet the equivalent performance of virgin R-22 (by specialized company)

TECHNOLOGIES OF VRVIII-Q?

REDUCED PRESSURE

As R-22 VRV systems used to work on a lower pressure than R-410A systems / thus the copper refrigerant piping was also designed for these lower pressures. Therefore the Replacement VRV (VRVIII-Q) must operate at lower pressures than the standard VRVIII series. However thanks to the sub cool circuit a high efficiency level can be kept even with the lower pressures.

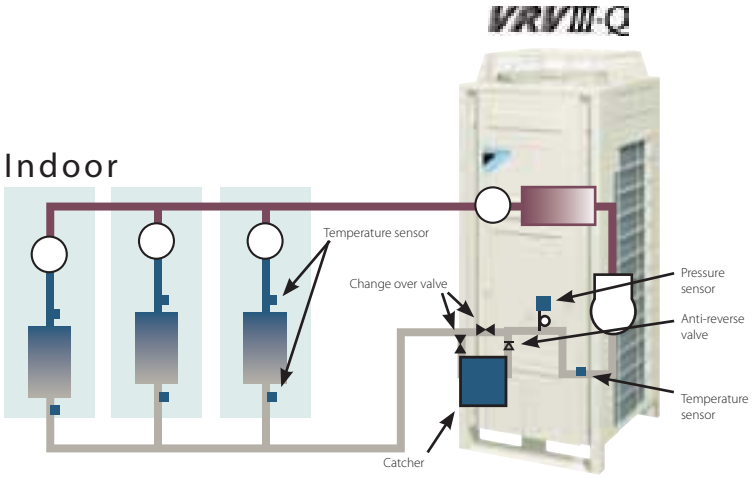


Ⓐ Decompression to 3.3MPa(s) → R-22 existing piping can be used
Ⓑ Extra sub cool circuit → high COP

REFRIGERANT PIPE CLEANING

When replacing an air conditioning system, the piping is normally replaced as well since traces of old refrigerant and oil mixed with the oil and refrigerant of the new system can cause the equipment to malfunction.

In order to allow re-use of existing R-22 piping with an R-410A system Daikin developed a technology to capture and retain the contamination left in the refrigerant piping. The refrigerant including the remaining oil from the R-22 system is filtered in the outdoor unit and the contamination is deposited in the outdoor unit. Daikin is the first manufacturer in the industry to develop this combination of automatic charging and refrigerant pipe cleaning function.

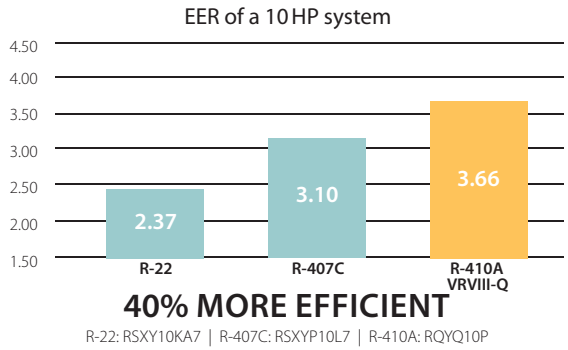


Contamination is collected by the power of the refrigerant gas

FEATURES OF VRVIII-Q

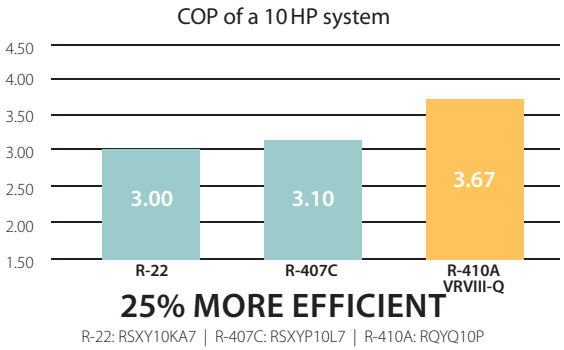
INCREASED EFFICIENCY

Upgrading an old R-22 system to a Replacement VRVsystem will result in increased system efficiency. Efficiency gains of more than 25% can be realized, by virtue of technological developments in heat pump technology and the more efficient R-410A refrigerant. Increased energy efficiency equals lower energy consumption, subsequent lower energy costs and lower CO_2 emissions.



40% MORE EFFICIENT

R-22: RSXY10KA7 | R-407C: RSXYP10L7 | R-410A: RQYQ10P



25% MORE EFFICIENT

R-22: RSXY10KA7 | R-407C: RSXYP10L7 | R-410A: RQYQ10P

ENVIRONMENTAL AWARENESS

R-410A not only has a zero ozone depletion potential, it is also proven to be more energy efficient than R-22.

FAST INSTALLATION

It is not necessary to remove the existing piping and even the indoor units can remain (depending on type of indoor unit). The outdoor unit automatically charges the refrigerant and cleans the refrigerant piping. This unique Daikin feature makes the installation time even shorter.

LIMITED AND PLANNED-DOWNTIME

As the refrigerant piping can be maintained the installation is less intrusive and less time consuming than for a completely new system. Moreover, downtime can be carefully planned: whereas if a problem occurs when not enough reclaimed R-22 is available, a long and unplanned downtime can be the result.

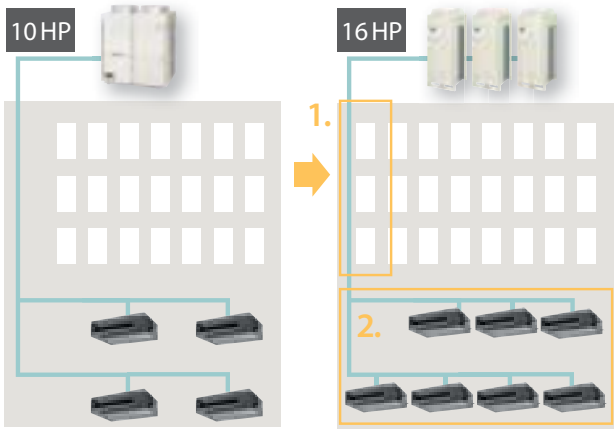
LIMITED AND PHASED INVESTMENT COST

It is possible to spread the various stages of replacement over a certain period of time because the indoor units can remain in most cases. The air conditioning replacement therefore, can be incorporated in the general refurbishment schedule of the building and the investment cost can be spread. A further reduction in installation cost can be achieved by maintaining the old refrigerant copper pipe work.

INCREASE CAPACITY

Cooling loads often increase subsequent to the initial installation of the air conditioning system. The Replacement VRV(VRVIII-Q) enables system capacity to be increased without changing the refrigerant piping (depending on system characteristics).

Example: replace a 10HP VRV with a 16HP Replacement VRV unit



1. Keep main piping
2. Add indoor units

NO RESTRICTIONS ON SYSTEM HISTORY

As a result of the combined automatic charging and refrigerant pipe cleaning function, it is possible to ensure a clean piping network, even when a compressor breakdown has previously occurred.

RQCEQ712-848P

VRVIII-Q

- Cost effective and fast upgrade for R-22 systems as only the outdoor unit needs to be replaced, meaning no work has to be carried out inside your building
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- No limitations on system history thanks to the combined refrigerant pipe cleaning and automatic charging function
- Efficiency gains of more than 40% can be realized, thank to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained in most cases
- Possibility to spread the various stages of repclacement thanks to the modular design of the VRV system

Heat recovery

Outdoor system					**RQCEQ280P**	**RQCEQ360P**	**RQCEQ460P**	**RQCEQ500P**	**RQCEQ540P**	**RQCEQ636P**	**RQCEQ712P**	**RQCEQ744P**	**RQCEQ816P**	**RQCEQ848P**
System	Outdoor unit module 1				RQEQ140P	RQEQ180P	RQEQ140P		RQEQ180P	RQEQ212P	RQEQ140P		RQEQ180P	RQEQ212P
	Outdoor unit module 2				RQEQ140P	RQEQ180P	RQEQ140P	RQEQ180P		RQEQ212P	RQEQ180P		RQEQ212P	
	Outdoor unit module 3				-		RQEQ180P			RQEQ212P	RQEQ180P	RQEQ212P		
	Outdoor unit module 4				-						RQEQ212P			
Capacity range				HP	10	13	16	18	20	22	24	26	28	30
Cooling capacity	Nom.			kW	28.0	36.0	45.0	50.0	54.0	63.6	71.2	74.4	81.6	84.8
Heating capacity	Nom.			kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
Power input - 50Hz	Cooling	Nom.		kW	7.04	10.3	12.2	13.9	15.5	21.9	21.2	23.3	27.1	29.2
	Heating	Nom.		kW	8.00	10.7	13.4	14.7	16.1	17.7	20.7	21.2	23.1	23.6
EER					3.98	3.48	3.77	3.61	3.48	2.90	3.36	3.19	3.01	2.90
COP					4.00	3.72	3.89	3.80	3.72	3.79	3.80	3.81	3.77	3.79
Maximum number of connectable indoor units					21	28	34	39	43	47	52	56	60	64
Sound pressure level	Cooling	Nom.		dBA	57	61		62	63	64	63	64	65	66
Piping connections	Liquid	OD		mm	9.52	12.7		15.9			19.1			
	Gas	OD		mm	22.2	25.4	28.6				34.9			
	Discharge gas	OD		mm	19.1		22.2			25.4			28.6	
	Piping length	OU - IU	Max.	m	120									
	Total piping length	System	Actual	m	300									
	Level difference	OU - IU		m	50 (outdoor unit in highest position)									
Current - 50Hz	Maximum fuse amps (MFA)			A	30	40	50	60		70	80		90	

Outdoor unit module				**RQEQ140P**	**RQEQ180P**	**RQEQ212P**
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Sound pressure level	Cooling	Nom.	dBA	54	58	60
Operation range	Cooling	Min.~Max.	°CDB	-5~43		
	Heating	Min.~Max.	°CWB	-20~15		
Refrigerant	Type			R-410A		
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		

Heating & Cooling

Outdoor unit					RQYQ140P	RQYQ8P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P
System	Outdoor unit module 1				RQYQ140P	RQYQ8P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P
Capacity range				HP	5	8	10	12	14	16
Cooling capacity	Nom.			kW	14.0	22.4	28.0	33.5	40.0	45.0
Heating capacity	Nom.			kW	16.0	25.0	31.5	37.5	45.0	50.0
Power input - 50Hz	Cooling	Nom.		kW	3.36	5.24	7.64	10.10	11.6	13.6
	Heating	Nom.		kW	3.91	6.42	8.59	10.20	12.2	13.6
EER					4.17	4.27	3.66	3.32	3.45	3.31
COP					4.09	3.89	3.67	3.68	3.69	3.68
Maximum number of connectable indoor units					10	17	21	26	30	34
Indoor index connection	Min.				62.5	100	125	150	175	200
	Nom.				125	200	250	300	350	400
	Max.				162.5	260	325	390	455	520
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,680x930x765			1,680x1,240x765	
Weight	Unit			kg	175	230	284		381	
Sound pressure level	Cooling	Nom.		dBA	54.0	57.0	58.0	60.0		
Operation range	Cooling	Min.~Max.		°CDB	-5~43					
	Heating	Min.~Max.		°CWB	-20~15.5					
Refrigerant	Type				R-410A					
Piping connections	Liquid	OD		mm	9.52			12.7		
	Gas	OD		mm	15.9	19.1	22.2	28.6		
	Piping length	OU - IU	Max.	m	150					
	Total piping length	System	Actual	m	300					
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)					
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)			A	15	25			35	

Outdoor system					RQYQ18P	RQYQ20P	RQYQ22P	RQYQ24P	RQYQ26P	RQYQ28P	RQYQ30P	RQYQ32P
System	Outdoor unit module 1				RQYQ8P		RQYQ10P	RQYQ12P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P
	Outdoor unit module 2				RQYQ10P		RQYQ12P		RQYQ16P			
Capacity range				HP	18	20	22	24	26	28	30	32
Cooling capacity	Nom.			kW	50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
Heating capacity	Nom.			kW	56.5	62.5	69.0	75.0	81.5	87.5	95.0	100
Power input - 50Hz	Cooling	Nom.		kW	12.9	15.4	17.8	20.2	21.3	23.7	25.2	27.2
	Heating	Nom.		kW	15.1	16.7	18.8	20.4	22.2	23.8	25.8	27.2
EER					3.91	3.63	3.46	3.32	3.43	3.31	3.37	3.31
COP					3.74		3.67	3.68	3.67	3.68		
Maximum number of connectable indoor units					39	43	47	52	56	60	64	
Sound pressure level	Cooling	Nom.		dBA	61	62	63					
Piping connections	Liquid	OD		mm	15.9				19.1			
	Gas	OD		mm	28.6			34.9				
	Piping length	OU - IU	Max.	m	150							
	Total piping length	System	Actual	m	300							
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)							
Current - 50Hz	Maximum fuse amps (MFA)			A	45	50			60		70	

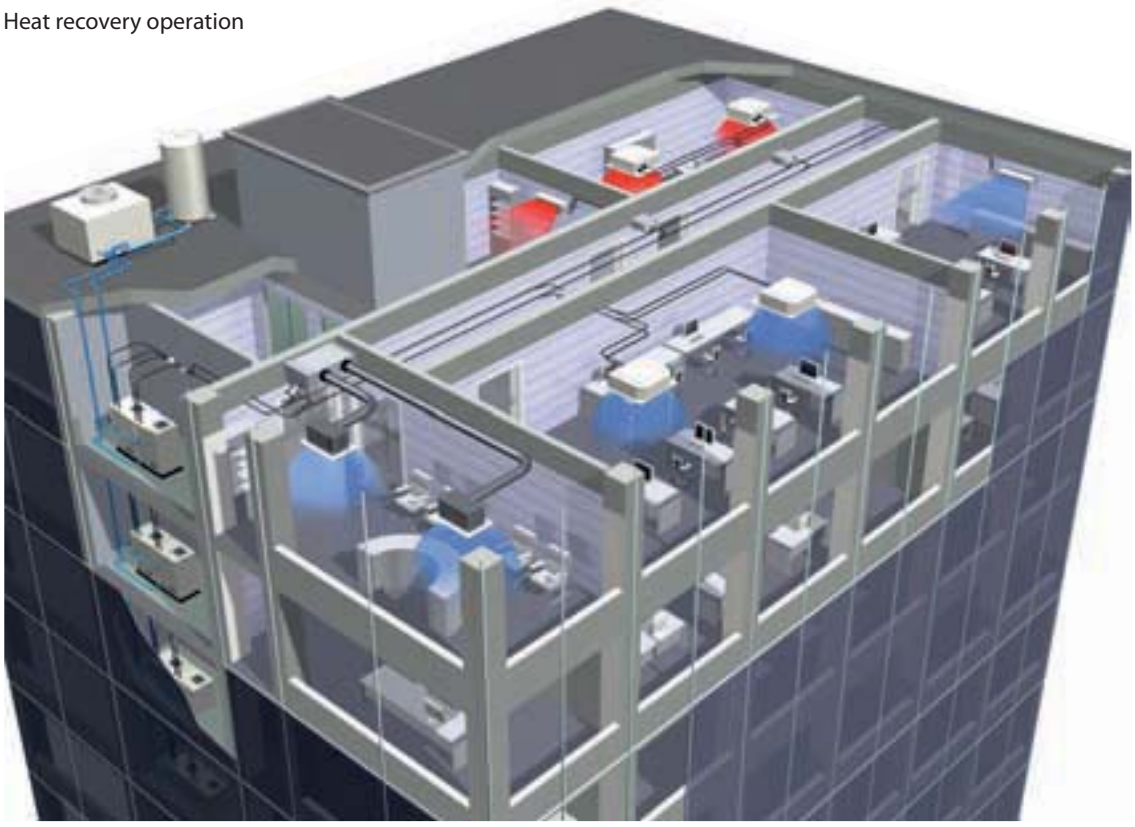
Outdoor system					RQYQ34P	RQYQ36P	RQYQ38P	RQYQ40P	RQYQ42P	RQYQ44P	RQYQ46P	RQYQ48P
System	Outdoor unit module 1				RQYQ10P			RQYQ12P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P
	Outdoor unit module 2				RQYQ10P		RQYQ12P		RQYQ16P			
	Outdoor unit module 3				RQYQ14P	RQYQ16P						
Capacity range				HP	34	36	38	40	42	44	46	48
Cooling capacity	Nom.			kW	96.0	101	107	112	118	124	130	135
Heating capacity	Nom.			kW	108	113	119	125	132	138	145	150
Power input - 50Hz	Cooling	Nom.		kW	26.9	28.9	31.4	33.8	34.9	35.3	38.8	40.8
	Heating	Nom.		kW	29.4	30.8	32.4	34.0	35.8	36.0	39.4	40.8
EER					3.57	3.49	3.41	3.31	3.38	3.51	3.35	3.31
COP					3.67			3.68	3.69	3.83	3.68	
Maximum number of connectable indoor units					64							
Sound pressure level	Cooling	Nom.		dBA	64		65					
Piping connections	Liquid	OD		mm	19.1							
	Gas	OD		mm	34.9	41.3						
	Piping length	OU - IU	Max.	m	150							
	Total piping length	System	Actual	m	300							
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)							
Current - 50Hz	Maximum fuse amps (MFA)			A	90				100		110	

RWEYQ8-10P

VRV-WIII

- Extensive range of outdoor units: from 8 to 30HP (9 configurations in total)
- Simultaneous cooling and heating operation from one system
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- Up to 36 indoor units can be connected to 1 refrigerant circuit
- Heat recovery systems offer the highest comfort, including individual change-over of each BS box without disruption of other BS boxes
- Wide range of indoor units: 15 different models in a total of 76 variations
- Compact design (stacked configuration possible)
- Flexible piping design: piping length after first branch: up to 90m, maximum piping length 120m, total piping length: 300m
- Operation range (inlet water temperature): 10°C to 45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-iF

Heat recovery operation



Heat recovery
Heating & Cooling

Outdoor unit					RWEYQ8P	RWEYQ10P
Capacity range				HP	8	10
Cooling capacity	Nom.			kW	22.4	26.7
Heating capacity	Nom.			kW	25.0	31.5
Power input - 50Hz	Cooling	Nom.		kW	4.55	6.03
	Heating	Nom.		kW	4.24	6.05
EER					4.89	4.14
COP					5.81	5.08
Maximum number of connectable indoor units					17	21
Indoor index connection	Min.				100	125
	Nom.				200	250
	Max.				260	325
Dimensions	Unit	HeightxWidthxDepth		mm	1,000x780x550	
Weight	Unit			kg	149	150
Sound power level	Cooling	Nom.		dBA	-	
Sound pressure level	Cooling	Nom.		dBA	50	51
Operation range	Inlet water temperature	Cooling	Min.~Max.	°CDB	10~45	
		Heating	Min.~Max.	°CWB	10~45	
Refrigerant	Type				R-410A	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	19.1 (1)	22.2 (1)
	Discharge gas	OD		mm	15.9 (2) / 19.1 (3)	19.1 (2) / 22.2 (3)
	Water	Inlet/Outlet			PT1 1/4B internal thread/PT1 1/4B internal thread	
	Piping length	OU - IU	Max.	m	120	
	Total piping length	System	Actual	m	300	
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

Outdoor system					RWEYQ16P	RWEYQ18P	RWEYQ20P	RWEYQ24P	RWEYQ26P	RWEYQ28P	RWEYQ30P
System	Outdoor unit module 1				RWEYQ8P	RWEYQ10P		RWEYQ8P	RWEYQ10P		
	Outdoor unit module 2				RWEYQ8P		RWEYQ10P	RWEYQ8P		RWEYQ10P	
	Outdoor unit module 3				-			RWEYQ8P			RWEYQ10P
Capacity range				HP	16	18	20	24	26	28	30
Cooling capacity	Nom.			kW	44.8	49.1	53.4	67.2	71.5	75.8	80.1
Heating capacity	Nom.			kW	50.0	56.5	63.0	75.0	81.5	88.0	94.5
Power input - 50Hz	Cooling	Nom.		kW	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating	Nom.		kW	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER					4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP					5.87	5.48	5.21	5.91	5.62	5.40	5.19
Maximum number of connectable indoor units					34	36					
Sound pressure level	Cooling	Nom.		dBA	53	54		55			56
Piping connections	Liquid	OD		mm	12.7	15.9		19.1			
	Gas	OD		mm	28.6 (1)			34.9 (1)			
	Discharge gas	OD		mm	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)
	Piping length	OU - IU	Max.	m	120						
	Total piping length	System	Actual	m	300						
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)						
Current - 50Hz	Maximum fuse amps (MFA)			A	35			45			

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

RWEYQ-PR

VRV-WIII

- Reduced CO_2 emmisions thanks to the use of geothermal energy as a renewable energy source
- No need for an external heating or cooling source
- Extended operation range (inlet water temperature) down to -10°C in heating
- High heating efficiency at low water entering temperatures (eg. 3.44 COP at -10°C entering water temperature for an 8HP unit)
- Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping
- Simultaneous cooling and heating operation from one system
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Heat recovery systems offer the highest comfort, including individual change-over of each BS box without disruption of other BS boxes
- Wide range of indoor units: 15 different models in a total of 76 variations
- Compact design (stacked configuration possible)
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-iF

Heat recovery
Heating & Cooling

Outdoor unit					RWEYQ8PR	RWEYQ10PR
Capacity range				HP	8	10
Cooling capacity	Nom.			kW	22.4	26.1
Heating capacity	Nom.			kW	25.0	31.5
Power input - 50Hz	Cooling	Nom.		kW	4.58	6.30
	Heating	Nom.		kW	4.30	6.20
EER					4.89	4.14
COP					5.81	5.08
Maximum number of connectable indoor units					17	21
Indoor index connection	Min.				100	125
	Nom.				200	250
	Max.				200	250
Dimensions	Unit	HeightxWidthxDepth		mm	1,000x780x550	
Weight	Unit			kg	149	150
Sound power level	Cooling	Nom.		dBA	-	
Sound pressure level	Cooling	Nom.		dBA	50	51
Operation range	Inlet water temperature	Cooling	Min.~Max.	°CDB	6~45	
		Heating	Min.~Max.	°CWB	-10~45	
Refrigerant	Type				R-410A	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	19.1 (1)	22.2 (1)
	Discharge gas	OD		mm	15.9 (2) / 19.1 (3)	19.1 (2) / 22.2 (3)
	Water	Inlet/Outlet			PT1 1/4B internal thread/PT1 1/4B internal thread	
	Piping length	OU - IU	Max.	m	120	
	Total piping length	System	Actual	m	300	
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

Product overview - VRV indoor

VRV air conditioning brings summer freshness and winter warmth to offices, hotels, department stores and many other commercial premises. It enhances the indoor environment and creates a basis for increased business prosperity and whatever the air conditioning requirement, a Daikin indoor unit will provide the answer. VRV air conditioning can be supplied via **VRV indoor units or stylish indoor units as Daikin Emura, Nexura, ...**

SEASONAL EFFICIENCY
Smart use of energy

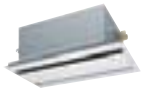
From 01/2013 all indoor units will have to comply to the Ecodesign legislation on fans. As a market leader Daikin takes the step to be the first to comply with all indoors units to this legislation by adopting DC fans in our indoor units, improving their energy efficiency even further.

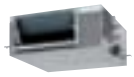
Capacity

Type	Model	Product name		15	20	25	32	40	50	63	71	80	100	125	140	200	250
CEILING MOUNTED CASSETTE	Round flow cassette autocleaning function[3] Presence & floor sensor[3]	FXFQ-A			■	■	■	■	■	■		■	■	■			
	Fully flat cassette Presence & floor sensor[3]	FXZQ-A		■	■	■	■	■	■								
	2-way blow ceiling mounted cassette	FXCQ-A			■	■	■	■	■	■		■		■			
	Ceiling mounted corner cassette	FXKQ-MA				■	■	■		■							
CONCEALED CEILING	Small concealed ceiling unit	FXDQ-M9			■	■											
	Slim concealed ceiling unit	FXDQ-A		■	■	■	■	■	■	■							
	Concealed ceiling unit with inverter driven fan	FXSQ-P			■	■	■	■	■	■		■	■	■	■		
	Concealed ceiling unit with inverter driven fan	FXMQ-P7			■	■	■	■	■	■		■	■	■			
	Large concealed ceiling unit	FXMQ-MA[4]														■	■
WALL MOUNTED	Wall mounted unit	FXAQ-P		■	■	■	■	■	■	■							
CEILING SUSPENDED	Ceiling suspended unit	FXHQ-A					■			■			■				
	4-way blow ceiling suspended unit	FXUQ-MA									■		■	■			
FLOOR STANDING	Floor standing unit	FXLQ-P			■	■	■	■	■	■							
	Concealed floor standing unit	FXNQ-P			■	■	■	■	■	■							
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
[3] Optional
[4] Not connectable to VRV III-S

Benefits overview - VRV indoor

			Ceiling mounted cassette				
			FXFQ-A	FXZQ-A	FXCQ-A	FXKQ-MA	FXDQ-M9
							
We care icons		Inverter technology	✓	✓	✓	✓	✓
		Home leave operation	✓	✓	✓	✓	✓
		Fan only	✓	✓	✓	✓	✓
		Self-cleaning cassette	✓				
Comfort		Draught prevention	✓	✓		✓	
		Auto cooling-heating changeover	✓	✓	✓	✓	✓
		Whisper quiet	✓	✓	✓		
Air flow		Ceiling soiling prevention	✓	✓	✓	✓	
		Vertical auto swing	✓	✓	✓	✓	
		Fan speed steps	3	3	3	2	2
Humidity control		Dry programme	✓	✓	✓	✓	✓
Air treatment		Air filter	✓	✓	✓	✓	✓
Remote control & timer		Weekly timer	✓	✓	✓	✓	✓
		Infrared remote control	✓	✓	✓	✓	✓
		Wired remote control	✓	✓	✓	✓	✓
		Centralised control	✓	✓	✓	✓	✓
Other funtions		Auto-restart	✓	✓	✓	✓	✓
		Self-diagnosis	✓	✓	✓	✓	✓
		Multi tenant	✓	✓			✓
		Drain pump kit	Standard	Standard	Standard	Standard	

Concealed ceiling unit				Wall mounted unit	Ceiling suspended unit		Floor standing unit	
FXDQ-A	FXSQ-P	FXMQ-P7	FXMQ-MA	FXAQ-P	FXHQ-A	FXUQ-MA	FXNQ-P	FXLQ-P
								
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
						✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓			✓				
				✓		✓		
3	3	3	2	2	3	3	3	3
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
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✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓		✓			✓	✓
Standard	Standard	Standard	Optional	Optional	Optional	Standard		

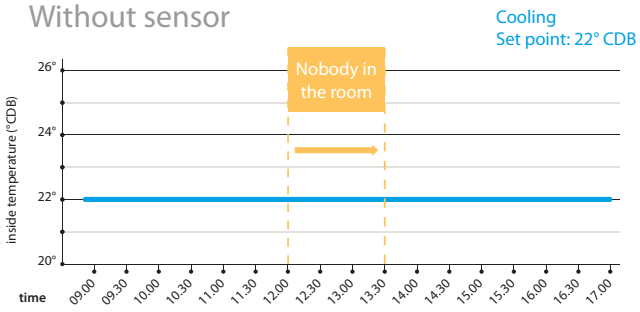
Round flow cassette: setting the standard for efficiency and comfort

The round flow cassette is designed for use in all forms and sizes of commercial offices & retail environments. Today, Daikin has improved its technology even further to enhance your comfort and provide you better energy efficient models.

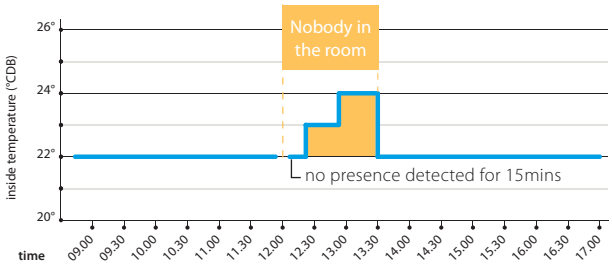
Even more energy efficient…

- With the optional infrared **presence sensor** the set point can be adjusted or the round flow cassette switched off when there is nobody in the room. Up to **27% energy can be saved** (estimated) with this new function. If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached. When selecting the setback function, the unit will maintain the temperature within a preset minimum and maximum temperature, when there is no presence detected in the room for 1 hour.

Without sensor

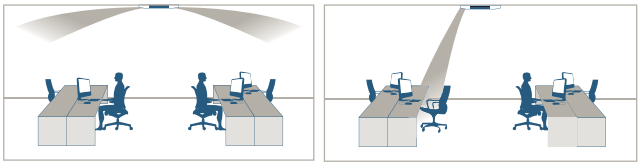


With sensor (BRC1E52A/B required)



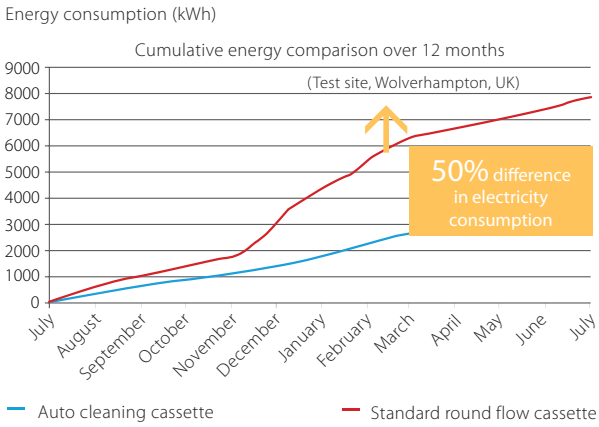
… and improved comfort

- With the optional **infrared floor sensor** having cold feet will become history. This sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor.



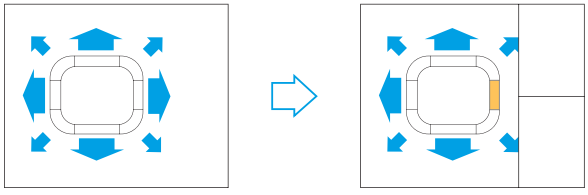
- The presence sensor directs air flow away from any person detected in the room, when the air flow control is on.
- The unique 360° airflow discharge pattern ensures a uniform temperature distribution across the room without dead corners.

- Daikin was the first to launch an **auto-cleaning decoration panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day. Up to **50% energy can be saved** thanks to daily filter cleaning.



Flexible installation

- When refurbishing or rearranging the interior of your office, shop or other area, you no longer need to change the location of your indoor unit. With the round flow cassette one or more flaps can be easily closed via the wired remote controller (BRC1E52A/B – optional). Optional closure kits are available as well.

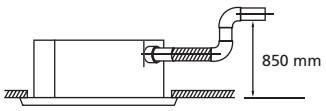


FXFQ20-63A

BRC1E52A/B BRC7A532F

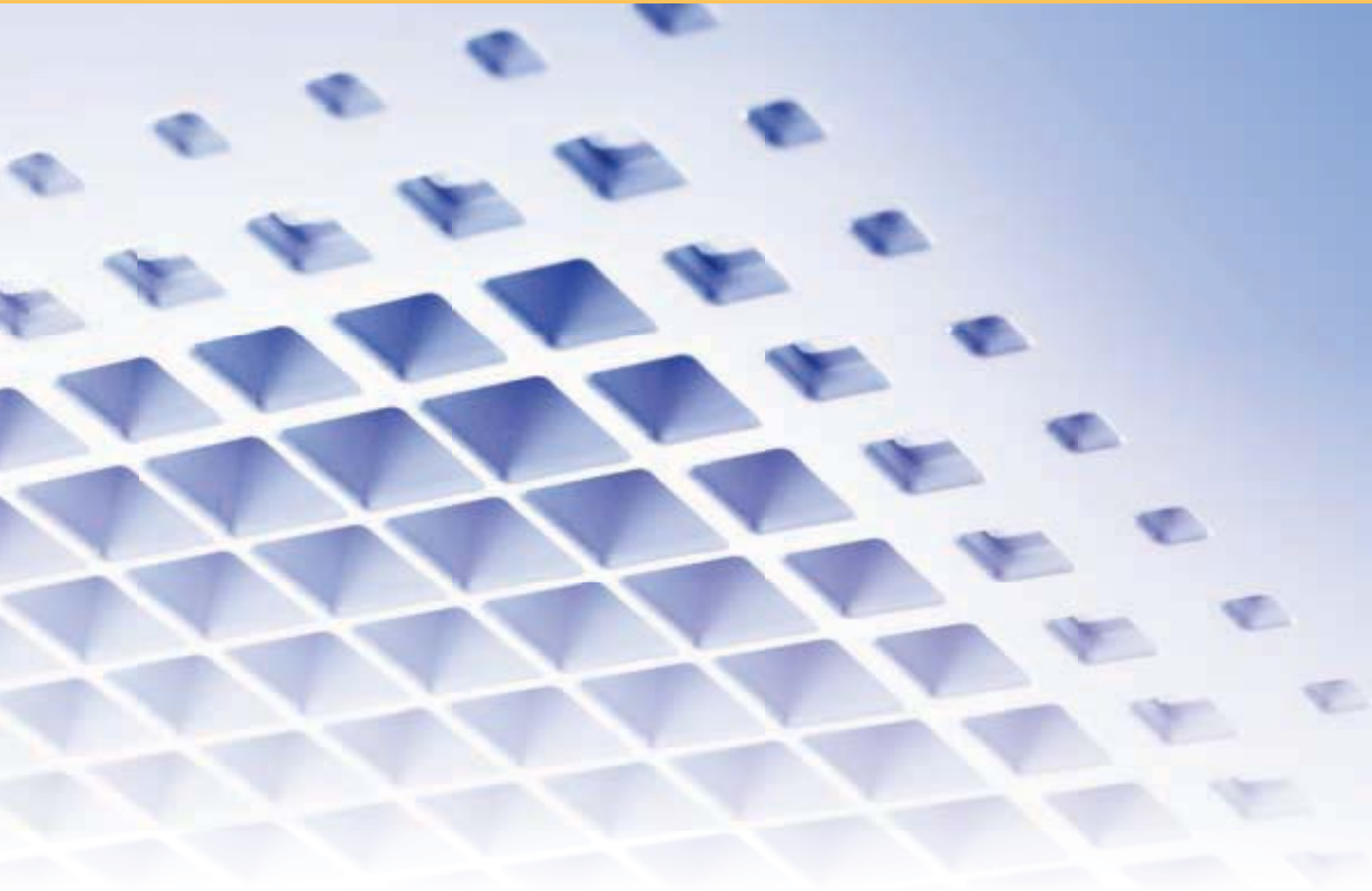
ROUND FLOW

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- 360° air discharge ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- Daikin introduces first auto cleaning cassette to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.
- The presence sensor (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake: up to 20 %
- Low installation height: 214mm for class 20-63
- Standard drain pump with 850mm lift



Indoor unit				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating 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	0.038				0.053	0.061	0.092	0.115	0.186
	Heating	Nom.	kW	0.038				0.053	0.061	0.092	0.115	0.186
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840						246x840x840		288x840x840
Weight	Unit		kg	19			20	21		24		26
Decoration panel	Model			BYCQ140D7W1								
	Colour			Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm	60x950x950								
	Weight		kg	5.4								
Decoration panel 2	Model			BYCQ140D7W1W								
	Colour			Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm	60x950x950								
	Weight		kg	5.4								
Decoration panel 3	Model			BYCQ140D7GW1								
	Colour			Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm	145x950x950								
	Weight		kg	10.3								
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m^3/min	12.5/10.6/8.8			13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	33.0/26.5/19.9
	Heating	High/Nom./Low	m^3/min	12.5/10.6/8.8			13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	33.0/26.5/19.9
Sound power level	Cooling	High/Nom.	dBA	49/-			51/-		53/-	55/-	60/-	61/-
Sound pressure level	Cooling	High/Nom./Low	dBA	31/29/28			33/31/29		35/33/30	38/34/30	43/37/30	45/41/36
	Heating	High/Nom./Low	dBA	31/29/28			33/31/29		35/33/30	38/34/30	43/37/30	45/41/36
Refrigerant	Type			R-410A								
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)					9.52/15.9/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								

BYCQ140D7W1 = pure white panel with grey louvers , BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel
The BYCQ140D7W1W has white insulations. Be informed that formations of dirt on white insulation is visibly stronger & that it is consequently not advised to install the decoration panel in environments exposed to concentrations of dirt.



Design & Genius in one

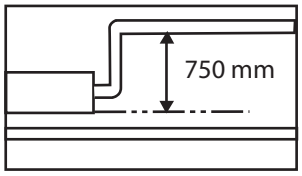
Unique in the market, the fully flat cassette is a remarkable blend of iconic design and engineering excellence with an elegant matt crystal white or a silver and matt crystal white finish. Fitting flush within the ceiling modules and fully flat with the ceiling itself, the cassette is both stylish and unobtrusive. Superb efficiency and comfort is delivered through the combined use of floor and presence sensors and, when necessary, the individual flap control via the wired remote controller makes it simple to close one or more flaps.

FXZQ-A (matt crystal white panel)

FXZQ-A (silver and matt crystal white panel)

BRC1E52A/B BRC7F530W/S

- Unique design in the market: integrates fully flat into the ceiling and fits flush into architectural ceiling modules
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or a combination of silver and matt crystal white
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- The presence sensor (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake for healthy living
- Standard drain pump with 750mm lift



› For latest information, see page 349

Indoor unit				*FXZQ15A	*FXZQ20A	*FXZQ25A	*FXZQ32A	*FXZQ40A	*FXZQ50A
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3
Power input - 50Hz	Cooling	Nom.	kW	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed
	Heating	Nom.	kW	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed
Dimensions	Unit	HeightxWidthxDepth	mm	265x575x637					
Weight	Unit		kg	18		19			
Decoration panel	Model			BYFQ60CW					
	Colour			Fresh white (N9.5)					
	Dimensions	HeightxWidthxDepth	mm	63x620x620					
Decoration panel 2	Model			BYFQ60CS					
	Colour			Fresh white (N9.5) + Silver (B471)					
	Dimensions	HeightxWidthxDepth	mm	63x620x620					
Decoration panel 3	Model			BYFQ60B2					
	Colour			Pure White (RAL 9010)					
	Dimensions	HeightxWidthxDepth	mm	55x700x700					
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m^3/min	8.5/7.5/6.5	9/8/6.5	10/6/6.5	10/8.5/7	12/10/8	15/12.5/10
Sound power level	Cooling	Nom.	dBA	48	49	50	51	55	61
Sound pressure level	Cooling	High/Nom./Low	dBA	31/28/25	32/29/25	32/29/25	34/30/26	38/33/28	44/39/33
Refrigerant	Type			R-410A					
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/	6.35/12.7/	6.35/12.7/	6.35/12.7/	6.35/12.7/	6.35/12.7/
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60 / 220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)		A	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed	to be confirmed

BYFQ60CW = panel in matt crystal white, BYFQ60CS = Panel in a combination of silver and matt crystal white, BYFQ60B2 = standard panel

*Note: grey cells contain preliminary data

FXCQ-A

2-way blow ceiling mounted cassette

FXCQ20-40A

BRC1E52A/B BRC7CA52

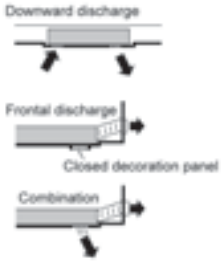
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Improved comfort thanks thanks to automatic air flow adjustment to required load
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Easy to install: depth of all units is 600mm
- Maintenance operations can be performed by removing the front panel
- Standard drain pump with 500mm lift

Indoor unit				**FXCQ20A**	**FXCQ25A**	**FXCQ32A**	**FXCQ40A**	**FXCQ50A**	**FXCQ63A**	**FXCQ80A**	**FXCQ125A**
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating 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	0.039	0.041	0.059	0.063	0.090	0.149
	Heating	Nom.	kW	0.028	0.035	0.035	0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxWidthxDepth	mm	305x775x620				305x990x620		305x1,445x620	
Required ceiling void >			mm	355							
Weight	Unit		kg	19				22	25	33	38
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	High/Nom./Low	m^3/min	10.5/9/7.5	11.5/9.5/8		12/10.5/8.5	15/13/10.5	16/14/11.5	26/22.5/18.5	32/27.5/22.5
Sound power level	Cooling	Nom.	dBA	to be confirmed							
Sound pressure level	Cooling	High/Nom./Low	dBA	32/30/28	34/31/29	34/32/30	36/33/31	37/35/31	39/37/32	42/38/33	46/42/38
	Heating	High/Nom./Low	dBA	32/30/28	34/31/29	34/32/30	36/33/31	37/35/31	39/37/32	42/38/33	46/42/38
Refrigerant	Type			R-410A							
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)					9.52/15.9/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							

FXKQ-MA

BRC1E52A/B BRC4C61

- 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



- Standard drain pump with 500mm lift

Indoor unit				FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
Cooling capacity	Nom.		kW	2.8	3.6	4.5	7.10
Heating 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
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	High/Low	m^3/min	11/9		13/10	18/15
Sound power level	Cooling	Nom.	dBA	-			
Sound pressure level	Cooling	High/Low	dBA	38.0/33.0		40.0/34.0	42.0/37.0
Refrigerant	Type			R-410A			
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)			9.52/15.9/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			

FXDQ-M9

BRC1E52A/B BRC4C62

- Designed for hotel bedrooms
- Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- The air suction direction can be altered from rear to bottom suction
- For easy mounting, the drain pan can be located to the left or right of the unit

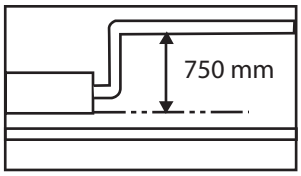
Indoor unit				**FXDQ20M9**	**FXDQ25M9**
Cooling capacity	Nom.		kW	2.2	2.8
Heating capacity	Nom.		kW	2.5	3.2
Power input - 50Hz	Cooling	Nom.	kW	0.050	
	Heating	Nom.	kW	0.050	
Casing Colour				Unpainted	
Dimensions	Unit	HeightxWidthxDepth	mm	230x502x652	
Required ceiling void >			mm	250	
Weight	Unit		kg	17	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	6.7/5.2	7.4/5.8
	Heating	High/Low	m^3/min	6.7/5.2	7.4/5.8
Sound power level	Cooling	Nom.	dBA	50	
Sound pressure level	Cooling	High/Low	dBA	37/32	
	Heating	High/Low	dBA	37/32	
Refrigerant	Type			R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/I.D. 21.6, O.D. 27.2	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	
Current - 50Hz	Maximum fuse amps (MFA)		A	16	

FXDQ15-32A

BRC1E52A/B BRC4C65

- Compact dimensions, can easily be mounted in a ceiling void of only 240mm

- Blends unobtrusively with any interior décor: 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.
- Low energy consumption thanks to DC fan motor
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- Standard drain pump with 750mm lift



- For latest information, see page 349

Indoor unit				*FXDQ15A	*FXDQ20A	*FXDQ25A	*FXDQ32A	*FXDQ40A	*FXDQ50A	*FXDQ63A
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	to be confirmed						
	Heating	Nom.	kW	to be confirmed						
Dimensions	Unit	HeightxWidthxDepth	mm	200x700x620				200x900x620		
Weight	Unit		kg	31				35	36	40
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	to be confirmed						
Sound power level	Cooling	Nom.	dBA	50	51			52	53	54
Sound pressure level	Cooling	High/Low	dBA	to be confirmed						
	Heating	High/Nom./Low	dBA	32/31/29	33/31/29			34/32/30	35/33/31	36/34/32
Refrigerant	Type			R-410A						
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/						9.52/15.90/
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)		A	to be confirmed						

*Note: grey cells contain preliminary data

FXSQ20-32P

FXMQ20-32P

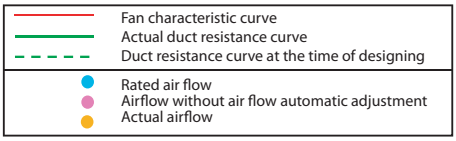
BRC1E52A/B BRC4C65

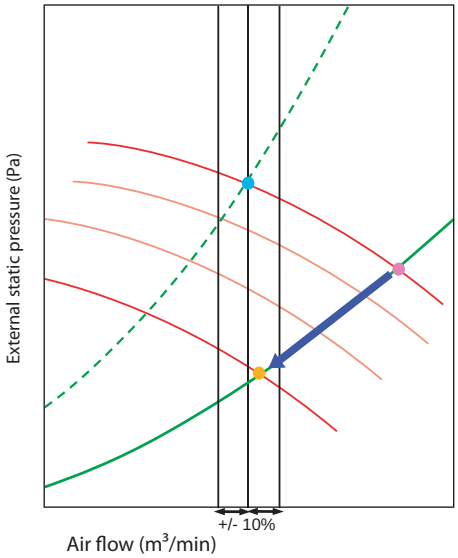
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Low energy consumption thanks to DC fan motor
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Up to 140Pa external static pressure (ESP) facilitates using flexible ducts of variying lengths: ideal for shops and medium size offices (FXSQ)
- Up to 200Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas (FXMQ)
- The air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump increases reliability of the drain system

Easy installation thanks to automatic air flow adjustment towards nominal air flow: Installation made easier

Reduced installation time

- After installation, it is possible that the actual duct resistance is lower than expected at time of designing. As a consequence the air flow will be too high.
- With the automatic air flow adjustment function the unit can adapt its fan speed to a lower curve, so the air flow decreases.
- The air flow will always be within 10% of the rated air flow because of the amount of possible fan curves (more than 8 fan curves available per model).
- Alternatively the installer can manually select a fan curve with the wired remote control.





FXSQ-P-Medium static pressure

Indoor unit				FXSQ20P	FXSQ25P	FXSQ32P	FXSQ40P	FXSQ50P	FXSQ63P	FXSQ80P	FXSQ100P	FXSQ125P	FXSQ140P
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Heating capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW	0.041		0.044	0.097		0.074	0.118	0.117	0.185	0.261
	Heating	Nom.	kW	0.029		0.032	0.085		0.062	0.106	0.105	0.173	0.249
Casing Colour				Unpainted									
Dimensions	Unit	HeightxWidthxDepth	mm	300x550x700			300x700x700		300x1,000x700		300x1,400x700		
Required ceiling void >			mm	350									
Weight	Unit		kg	23			26		35		46		47
Decoration panel	Model			BYBS32DJW1			BYBS45DJW1		BYBS71DJW1		BYBS125DJW1		
	Colour			White (10Y9/0.5)									
	Dimensions	HeightxWidthxDepth	mm	55x650x500			55x800x500		55x1,100x500		55x1,500x500		
	Weight		kg	3.0			3.5		4.5		6.5		
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	9/6.5		9.5/7	16/11		19.5/16	25/20	32/23	39/28	46/32
	Heating	High/Low	m^3/min	9/6.5		9.5/7	16/11		19.5/16	25/20	32/23	39/28	46/32
Fan-External static pressure - 50Hz	High/Nom.		Pa	70/30			100/30			100/40	120/40	120/50	140/50
Sound power level	Cooling	Nom.	dBA	55		56	63		59	63	61	66	67
Sound pressure level	Cooling	High/Low	dBA	32/26		33/27	37/29		37/30	38/32		40/33	42/34
	Heating	High/Low	dBA	32/26		33/27	37/29		37/30	38/32		40/33	42/34
Refrigerant	Type			R-410A									
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)					9.52/15.9/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									

FXMQ-P7-High static pressure

Indoor unit				FXMQ20P7	FXMQ25P7	FXMQ32P7	FXMQ40P7	FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating 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	0.049		0.053	0.151	0.110	0.120	0.171	0.176	0.241
	Heating	Nom.	kW	0.037		0.041	0.139	0.098	0.108	0.159	0.164	0.229
Casing Colour				Unpainted								
Dimensions	Unit	HeightxWidthxDepth	mm	300x550x700			300x700x700	300x1,000x700			300x1,400x700	
Required ceiling void >			mm	350								
Weight	Unit		kg	23			26	35			46	
Decoration panel	Model			BYBS32DJW1			BYBS45DJW1	BYBS71DJW1			BYBS125DJW1	
	Colour			White (10Y9/0.5)								
	Dimensions	HeightxWidthxDepth	mm	55x650x500			55x800x500	55x1,100x500			55x1,500x500	
	Weight		kg	3.0			3.5	4.5			6.5	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	9/6.5		9.5/7	16/11	18/15	19.5/16	25/20	32/23	39/28
	Heating	High/Low	m^3/min	9.0/6.5		9.5/7	16/11	18/15	19.5/16	25/20	32/23	39/28
Fan-External static pressure - 50Hz	High/Nom.		Pa	100/50			160/100	200/100				
Sound power level	Cooling	High/Nom.	dBA	56/-		57/-	65/-	61/-	64/-	67/-	65/-	70/-
Sound pressure level	Cooling	High/Nom./Low	dBA	33/31/29		34/32/30	39/37/35	41/39/37	42/40/38	43/41/39		44/42/40
	Heating	High/Nom./Low	dBA	33/31/29		34/32/30	39/37/35	41/39/37	42/40/38	43/41/39		44/42/40
Refrigerant	Type			R-410A								
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP25 (I.D. 25/O.D. 32)					9.52/15.9/VP25 (I.D. 25/O.D. 32)			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)		A	16								

FXMQ-MA

Large concealed ceiling unit

FXMQ-MA

BRC1E52A/B BRC4C65

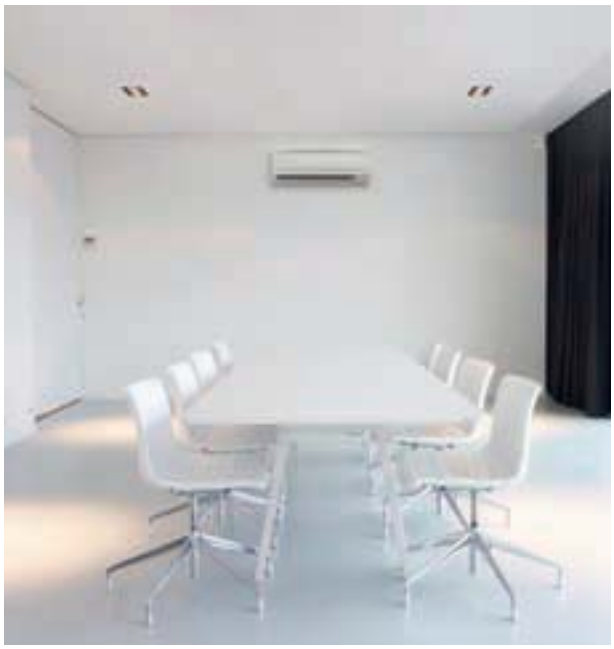
- Up to 270Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Up to 31.5kW in heating mode

Indoor unit				FXMQ200MA	FXMQ250MA
Cooling capacity	Nom.		kW	22.4	28.0
Heating capacity	Nom.		kW	25.0	31.5
Power input - 50Hz	Cooling	Nom.	kW	1.294	1.465
	Heating	Nom.	kW	1.294	1.465
Dimensions	Unit	HeightxWidthxDepth	mm	470x1,380x1,100	
Weight	Unit		kg	137	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	58/50	72/62
Fan-External static pressure - 50Hz	High/Nom.		Pa	221/132	270/191
Sound power level	Cooling	Nom.	dBA	-	
Sound pressure level	Cooling	High/Low	dBA	48/45	
Refrigerant	Type			R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain		mm	9.52/19.1/PS1B	9.52/22.2/PS1B
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	
Current - 50Hz	Maximum fuse amps (MFA)		A	15	

FXAQ15-32P

BRC1E52A/B BRC7E63

- Ideal solution for shops, restaurants or offices without false ceilings
- Low energy consumption thanks to DC fan motor
- Can be installed in both new and existing buildings
- Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- 5 different discharge angles can be programmed via the remote control
- Maintenance operations can be performed from the front of the unit

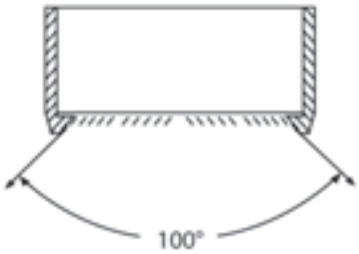


Indoor unit				FXAQ15P	FXAQ20P	FXAQ25P	FXAQ32P	FXAQ40P	FXAQ50P	FXAQ63P
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	0.017	0.019	0.028	0.030	0.020	0.033	0.050
	Heating	Nom.	kW	0.025	0.029	0.034	0.035	0.020	0.039	0.060
Casing Colour				White (3.0Y8.5/0.5)						
Dimensions	Unit	HeightxWidthxDepth	mm	290x795x238				290x1,050x238		
Weight	Unit		kg	11				14		
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	7.0/4.5	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14
Sound power level	Cooling	Nom.	dBA	-						
Sound pressure level	Cooling	High/Low	dBA	34.0/29.0	35.0/29.0	36.0/29.0	37.5/29.0	39.0/34.0	42.0/36.0	47.0/39.0
Refrigerant	Type			R-410A						
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP13 (I.D. 13/O.D. 18)						9.52/15.9/VP13 (I.D. 13/O.D. 18)
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)		A	16						

FXHQ100A

BRC1E52A/B BRC7GA53

- Ideal solution for commercial spaces with no or narrow false ceilings
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Low energy consumption thanks to DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Can be installed in both new and existing buildings
- Wider air discharge thanks to Coanda effect: up to 100°



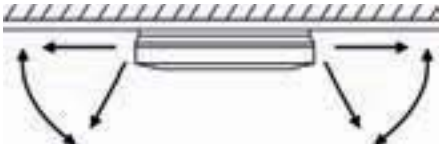
- Air flow distribution for ceiling heights up to 3.8m without capacity loss

Indoor unit				FXHQ32A	FXHQ63A	FXHQ100A
Cooling capacity	Nom.		kW	3.6	7.1	11.2
Heating 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
Casing Colour					Fresh white (6.5Y 9.5/0.5)	
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit		kg	24	33	39
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m^3/min	14/12/10	20/17/14	29.5/24/19
	Heating	High/Nom./Low	m^3/min	14/12/10	20/17/14	29.5/24/19
Sound power level	Cooling	Nom.	dBA	to be confirmed		
Sound pressure level	Cooling	High/Nom./Low	dBA	36/34/31	37/35/34	44/37/34
	Heating	High/Nom./Low	dBA	36/34/31	37/35/34	44/37/34
Refrigerant	Type				R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/VP20 (I.D. 20/O.D. 26)	9.52/15.9/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		

FXUQ-A

BRC1E52A/B BRC7CB528

- Ideal solution for commercial spaces with no or narrow false ceilings
- **Separate BEVQ box is no longer needed: the expansion valve is integrated in the indoor unit**
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- Improved comfort thanks thanks to automatic air flow adjustment to required load
- Individual flap control: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Can be installed in both new and existing buildings
- Same outlook for all models (unified dimensions)
- Air can be discharged in 5 different angles between 0 and 60°



- Possibility to shut 1 or 2 flaps for easy installation in corners

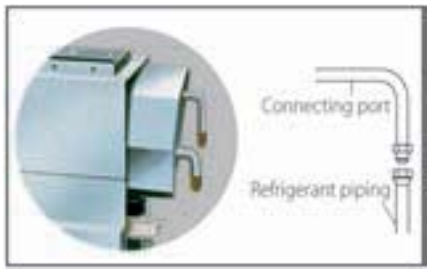
- Air flow distribution for ceiling heights up to 3.5m without capacity loss
- Standard drain pump with 500mm lift

Indoor unit				FXUQ71A	FXUQ100A
Cooling capacity	Nom.		kW	8.0	11.2
Heating capacity	Nom.		kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.	kW	0.090	0.200
	Heating	Nom.	kW	0.073	0.179
Casing Colour				Fresh white (6.5Y 9.5/0.5)	
Dimensions	Unit	HeightxWidthxDepth	mm	198x950x950	
Weight	Unit		kg	26	27
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m^3/min	22.5/19.5/16	31/26/21
	Heating	High/Nom./Low	m^3/min	22.5/19.5/16	31/26/21
Sound power level	Cooling	Nom.	dBA	to be confirmed	
Sound pressure level	Cooling	High/Nom./Low	dBA	40/38/36	47/44/40
	Heating	High/Nom./Low	dBA	40/38/36	47/44/40
Refrigerant	Type			R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain		mm	9.52/15.9/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	

FXNQ20-32P

BRC1E52A/B BRC4C65

- Its low height enables the unit to fit perfectly beneath a window
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Requires very little installation space
- The connecting port faces downward, eliminating the need to attach auxiliary piping



Indoor unit				FXNQ20P	FXNQ25P	FXNQ32P	FXNQ40P	FXNQ50P	FXNQ63P
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	kW	0.049		0.090		0.110	
	Heating	Nom.	kW	0.049		0.090		0.110	
Dimensions	Unit	HeightxWidthxDepth	mm	610x930x220		610x1,070x220		610x1,350x220	
Weight	Unit		kg	19		23		27	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	7/6		8/6	11/8.5	14/11	16/12
Sound power level	Cooling	Nom.	dBA	-					
Sound pressure level	Cooling	High/Low	dBA	35/32			38/33	39/34	40/35
Refrigerant	Type			R-410A					
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/					9.52/15.9/
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)		A	15					

FXLQ20-25P

BRC1E52A/B BRC7C62

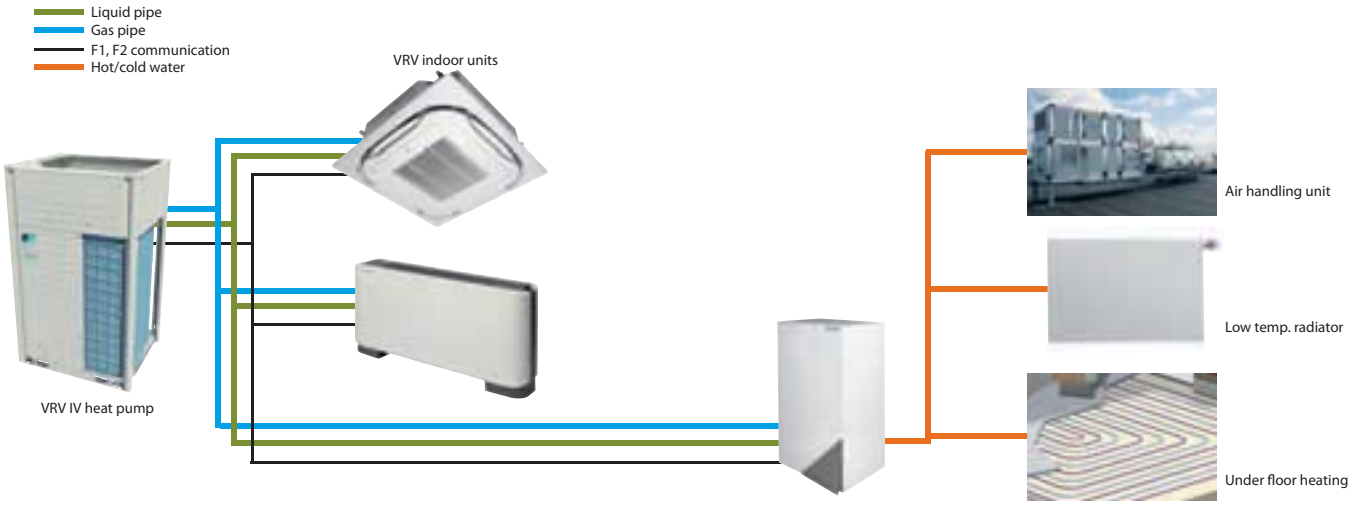
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011)
- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Requires very little installation space
- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate

- Wired remote control can easily be integrated in the unit

Indoor unit				FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P
Cooling capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.000
Power input - 50Hz	Cooling	Nom.	kW	0.049		0.090		0.110	
	Heating	Nom.	kW	0.049		0.090		0.110	
Casing Colour				Fresh white (RAL9010) / Dark grey (RAL7011)					
Dimensions	Unit	HeightxWidthxDepth	mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight	Unit		kg	27		32		38	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m^3/min	7/6		8/6	11/8.5	14/11	16/12
Sound power level	Cooling	Nom.	dBA	-					
Sound pressure level	Cooling	High/Low	dBA	35/32			38/33	39/34	40/35
Refrigerant	Type			R-410A					
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/					9.52/15.9/
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)		A	15					


HXY-A

- Highly efficient space heating/cooling
- Air to water connection to VRV for applications such as underfloor, AHU, low temperture radiators, …
- Leaving water temperature range from 5°C to 45°C without electric heater
- 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
- Saves space with contemporary wall hung design
- Requires no gas connection or oil tank
- Connectable to VRV IV heat pump



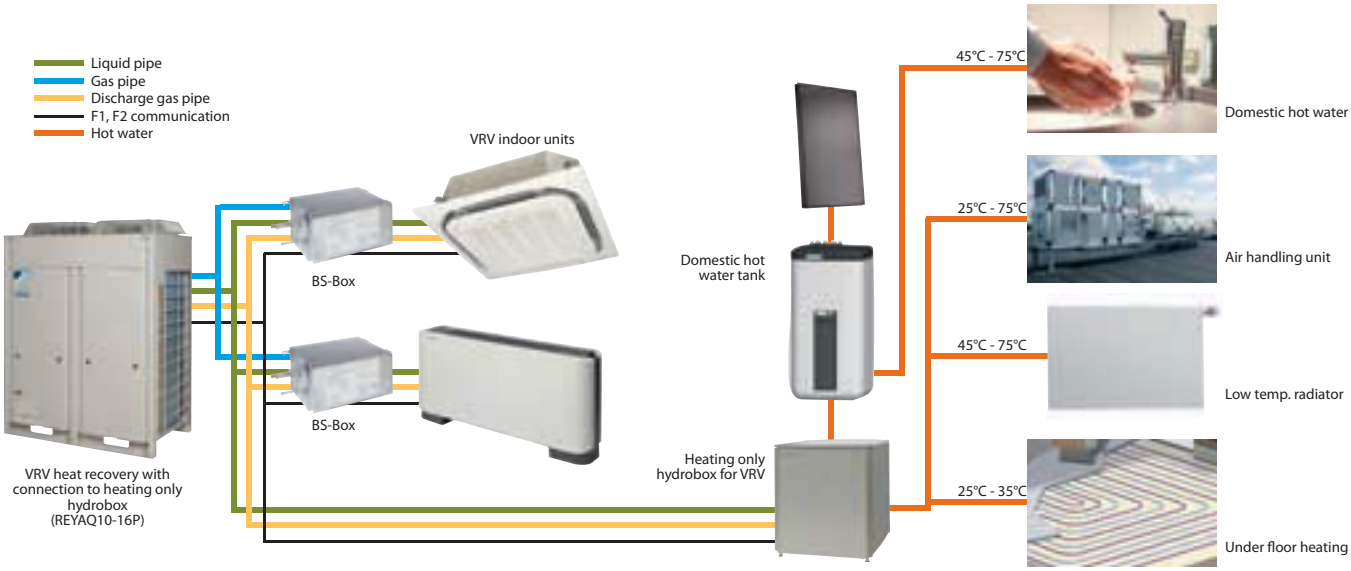
Indoor unit					HXY080A	HXY125A
Cooling capacity	Nom.			kW	8	12.5
Heating capacity	Nom.			kW	9	14
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344	
Weight	Unit			kg	44	
Sound pressure level	Nom.			dBA	-	
Operation range	Heating	Ambient	Min.~Max.	°C	-20~24	
		Water side	Min.~Max.	°C	25~45	
	Cooling	Ambient	Min.~Max.	°C	10~43	
		Water side	Min.~Max.	°C	5~20	
Refrigerant	Type				R-410A	
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	
Recommended fuses				A	6~16	


HXHD-A


EKHTS-AC


EKHWP-B

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- Free heating 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
- Leaving water temperature range from 25 to 80°C without electric heater
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- No need to design the water side: all water-side components are integrated, moreover no mixing valve is required thanks to direct leaving water temperature control
- 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 needed
- Connectable to VRV III heat recovery (REYAQ)



Heating only

Indoor unit					HXHD125A
Heating capacity	Nom.			kW	14.0
Casing	Colour				Metallic grey
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	705x600x695
Weight	Unit			kg	92
Sound pressure level	Nom.			dBA	42 (1) / 43 (2)
	Night quiet mode	Level 1		dBA	38 (1)
Operation range	Heating	Ambient	Min.~Max.	°C	-20~20 / 24 (3)
		Water side	Min.~Max.	°C	25~80
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~43
		Water side	Min.~Max.	°C	45~75
Refrigerant	Type				R-134a
Refrigerant circuit	Gas side diameter			mm	12.7
	Liquid side diameter			mm	9.52
Water circuit	Piping connections diameter			inch	G 1" (female)
	Heating water system	Water volume	Min.~Max.	l	20~200
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240
Current	Recommended fuses			A	20

(1) Sound levels are measured at: EW 55°C; LW 65°C (2) Sound levels are measured at: EW 70°C; LW 80°C (3) Field setting

EKHTS-AC

Domestic hot water tank

EKHTS200AC EKHTS260AC

- Stainless steel domestic hot water tank
- 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
- Available in 200 and 260 liters
- Heat loss is reduced to a minimum thanks to the high quality insulation
- At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Indoor unit				**EKHTS200AC**	**EKHTS260AC**
Casing	Colour			Metallic grey	
	Material			Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height(Integrated on indoor unit)xWidthxDepth	mm	1,335(2,010)x600x695	1,610(2,285)x600x695
Weight	Unit	Empty	kg	70	78
Tank	Water volume		l	200	260
	Material			Stainless steel (EN 1.4521)	
	Maximum water temperature		°C	75	
Heat exchanger	Quantity			1	
	Tube material			Duplex steel (EN 1.4162)	
	Face area		m^2	1.56	
	Internal coil volume		l	7.5	

EKHWP-B

Domestic hot water tank

EKHWP-B

- Tank designed for connection with thermal solar collectors
- 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)
- For latest information, see page 349

Domestic hot water tank				**EKHWP300B**	**EKHWP500B**
Casing	Colour			Dust grey (RAL7037)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	1,590x595x615	1,590x790x790
Weight	Unit	Empty	kg	59	92
Tank	Water volume		l	300	500
	Maximum water temperature		°C	85	
Heat exchanger	Domestic hot water	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	5.7	5.9
		Internal coil volume	l	27.8	28.4
		Operating pressure	bar	6	
		Average specifc thermal output	W/K	2,795	2,860
	Charging	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	2.5	3.7
		Internal coil volume	l	12.3	17.4
		Average specifc thermal output	W/K	1,235	1,809
	Auxiliary solar heating	Tube material		Stainless steel (DIN 1.4404)	
		Face area	m^2	-	1.0
		Internal coil volume	l	-	5
		Average specifc thermal output	W/K	-	313

*Note: grey cells contain preliminary data

EKS(V/H)-P

Solar collector

EKSH-P

EKSV-P

- Horizontal and vertical solar collector for domestic hot water production
- Solar panels can produce up to 70% of the energy needed for hot water production – a major cost saving
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- system for domestic hot water production
- Easy to install on roof tiles

Solar collector				**EKSH26P**	**EKSV26P**
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,300x85
Weight	Unit		kg	43	
Volume			l	2.1	1.7
Surface	Outer		m^2	2.601	
	Aperture		m^2	2.364	
	Absorber		m^2	2.354	
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	200	
Thermal performance	Zero loss collector efficiency η0		%	78.7	
	Heat loss coefficient a1		$W/m^2.K$	4.270	
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.0070	
	Thermal capacity		kJ/K	6.5	
	Incident angle modifier	AM at 50°		0.94	
Installed position				Vertical	Horizontal

EKSRPS

Solar connection

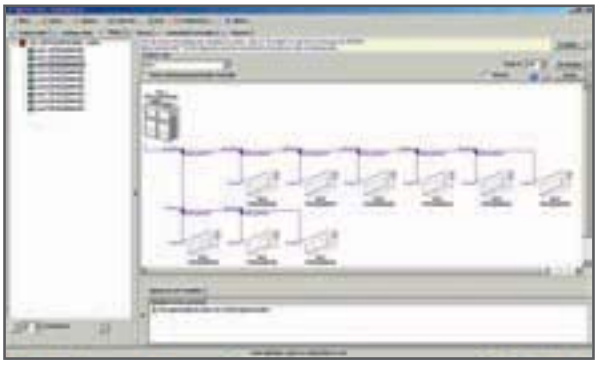
EKSRPS3

- 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

Pump station				**EKSRPS3**
Mounting				On side of tank
Dimensions	Unit	HeightxWidthxDepth	mm	815x230x142
Thermal performance	Zero loss collector efficiency η0		%	-
Control	Type			Digital temperature difference controller with plain text display
	Power consumption		W	2
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	Voltage		V	230

Powerful selection programs

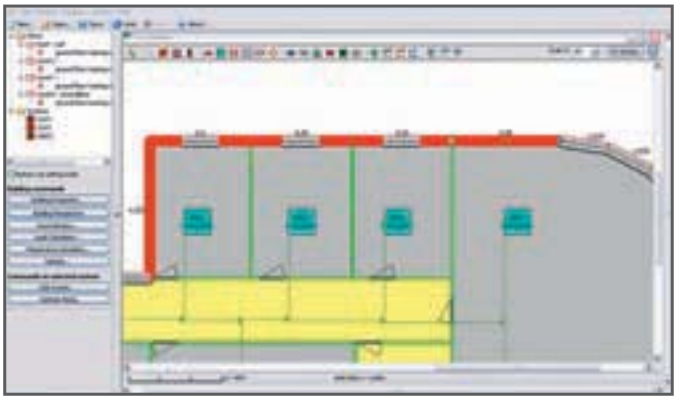
Xpress, Quick Quotation tool

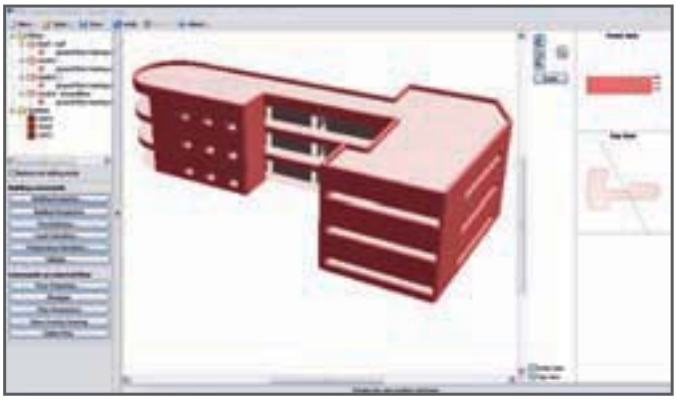


Xpress is a software tool that allows creating on the spot quotations for a Daikin VRV system. It provides a result in 6 steps to enable a professional budget quotation:

1. Select indoor units
2. Connect outdoor units to indoor units
3. Automatic generation of piping diagram with joints
4. Automatic generation of wiring diagram
5. Select possible centralised control systems
6. Visualise result in MS Word, MS Excel and AutoCAD

VRV Pro, Design tool





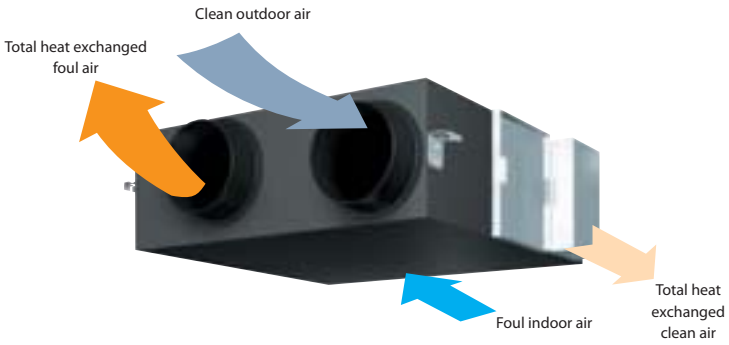
The VRV Pro selection program is a true VRV design tool. The program enables VRV air conditioning systems to be engineered in a precise and economical way, taking into account the realtime thermal properties of any building. By calculating annual energy consumptions, it gives the designer the possibility to make accurate selections and **get competitive quotations** for each project. Moreover, it ensures optimum operating cycles and maximum energy efficiency.

For more information, please contact your affiliate/distibutor.

With the advent of new building regulations, greater awareness of increasing energy costs and a responsibility towards environmental issues, modern commercial spaces are insulated better than ever. Double glazing, thicker roof insulation and draught excluders of course, help considerably towards reducing heating/cooling demand and burdens on the environment. The down-side however, is that these same commercial spaces have now become, in effect, sealed boxes with little or no replenishment of the air. Daikin offers a variety of solutions for the provision of fresh air ventilation to offices, hotels, stores and other commercial outlets – each one complementary to and as flexible as VRV systems themselves.

VENTILATION & BIDDLE AIR CURTAINS

For more information on Options & Accessories, please refer to page 360 of this catalogue.



- **Energy saving ventilation by recovery of indoor unit heat/cold**
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Free cooling when outdoor temperature is below indoor temperature (eg. during night time)
- Low energy consumption thanks to DC inverter fans
- Prevent energy losses from over-ventilation while maintaining indoor air quality with CO sensor (optional)
- Can be used as stand alone unit or integrated in the VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- High efficiency filters available in F6 ,F7, F8 grades
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- No drain piping needed
- Can operate in over- and under pressure
- For latest information, see page 349

Ventilation					VAM150FA	VAM250FA	*VAM350FB	*VAM500FB	*VAM650FB	*VAM800FB	*VAM1000FB	*VAM1500FB	*VAM2000FB
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.116	0.141	-						
	Bypass mode	Nom.	Ultra high	kW	0.116	0.141	-						
Temperature exchange efficiency - 50Hz	Ultra high			%	74	72	75	74	74	74	75	75	75
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high		%	58		61	58	58	60	61	61	61
	Heating	Ultra high		%	64		65	62	63	65	66	66	66
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode		Heat exchange mode / Bypass mode / Fresh-up mode						
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange		Air to air cross flow total heat (sensible + latent heat) exchange						
Heat exchange element					Specially processed non-flammable paper		Specially processed non-flammable paper						
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x828x816		364x1,004x868		364x1,004x1,156	726x1,514x868	
Weight	Unit			kg	24		33	33	48	48	61	132	158
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
	Bypass mode	Ultra high		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
Fan-External static pressure - 50Hz	Ultra high			Pa	69	64	98	98	93	137	157	137	137
Sound pressure level - 50Hz	Heat exchange mode	Ultra high		dBA	27 / 28.5	28 / 29	32 / 34	33 / 34.5	34.5 / 35.5	36 / 37	36 / 37	39.5 / 41.5	40 / 42.5
	Bypass mode	Ultra high		dBA	27 / 28.5	28 / 29	32 / 34	33.5 / 34.5	34.5 / 35.5	36 / 37	36 / 37	40.5 / 41.5	40 / 42.5
Operation range	Min.			°CDB	-15		-15						
	Max.			°CDB	50		50						
	Relative humidity			%	80% or less		80% or less						
Connection duct diameter				mm	100		150	200		250		350	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		1~/50/60/220-240/220						
Current	Maximum fuse amps (MFA)			A	15		15						

*Note: grey cells contain preliminary data

VKM-G(M)

Heat reclaim ventilation, humifidication and air processing

VKM80-100G

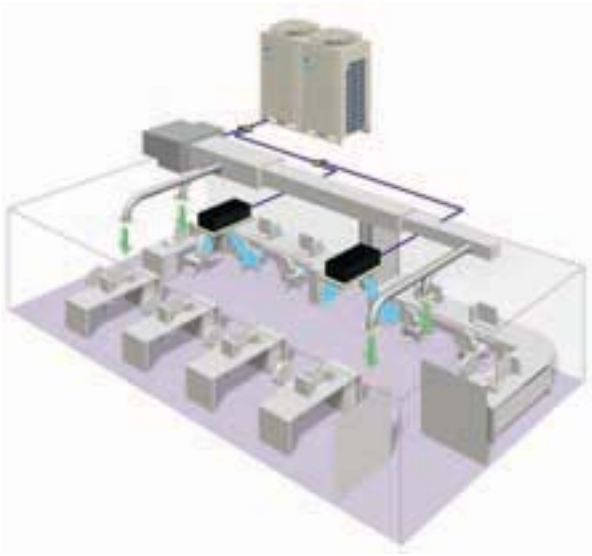
- Creates a high quality indoor environment by pre conditioning incoming fresh air
- Humidification of the incoming air maintains a comfortable indoor humidity level, even during heating
- Energy saving ventilation by recovery of indoor unit heat/cold
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Free cooling when outdoor temperature is below indoor temperature (eg. during night time)
- Can be used as stand alone unit or integrated in the VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- No drain piping needed
- Can operate in over- and under pressure

Ventilation & DX coil					**VKM50G**	**VKM80G**	**VKM100G**
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.560	0.620	0.670
	Bypass mode	Nom.	Ultra high	kW	0.560	0.620	0.670
Fresh air conditioning load	Cooling			kW	4.71	7.46	9.12
	Heating			kW	5.58	8.79	10.69
Temperature exchange efficiency - 50Hz	Ultra high			%	76	78	74
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high		%	64	66	62
	Heating	Ultra high		%	67	71	65
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	387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	96	109	114
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high		m^3/h	500	750	950
	Bypass mode	Ultra high		m^3/h	500	750	950
Fan-External static pressure - 50Hz	Ultra high			Pa			
Sound pressure level - 50Hz	Heat exchange mode	Ultra high		dBA	38 / 38.5 / 39	40 / 41 / 41.5	40 / 40.5 / 41
	Bypass mode	Ultra high		dBA	38 / 38.5 / 39	40 / 41 / 41.5	40 / 40.5 / 41
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		
Connection duct diameter				mm	200	250	
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	12.7		
	Drain				PT3/4 external thread		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current	Maximum fuse amps (MFA)			A	15		

Ventilation, DX coil & humidification					**VKM50GM**	**VKM80GM**	**VKM100GM**
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.560	0.620	0.670
	Bypass mode	Nom.	Ultra high	kW	0.560	0.620	0.670
Fresh air conditioning load	Cooling			kW	4.71	7.46	9.12
	Heating			kW	5.58	8.79	10.69
Temperature exchange efficiency - 50Hz	Ultra high			%	76	78	74
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high		%	64	66	62
	Heating	Ultra high		%	67	71	65
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	
Weight	Unit			kg	102	120	125
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high		m^3/h	500	750	950
	Bypass mode	Ultra high		m^3/h	500	750	950
Fan-External static pressure - 50Hz	Ultra high			Pa	160	140	110
Sound pressure level - 50Hz	Heat exchange mode	Ultra high		dBA	37 / 37.5 / 38	38.5 / 39 / 40	39 / 39.5 / 40
	Bypass mode	Ultra high		dBA	37 / 37.5 / 38	38.5 / 39 / 40	39 / 39.5 / 40
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		
Connection duct diameter				mm	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		

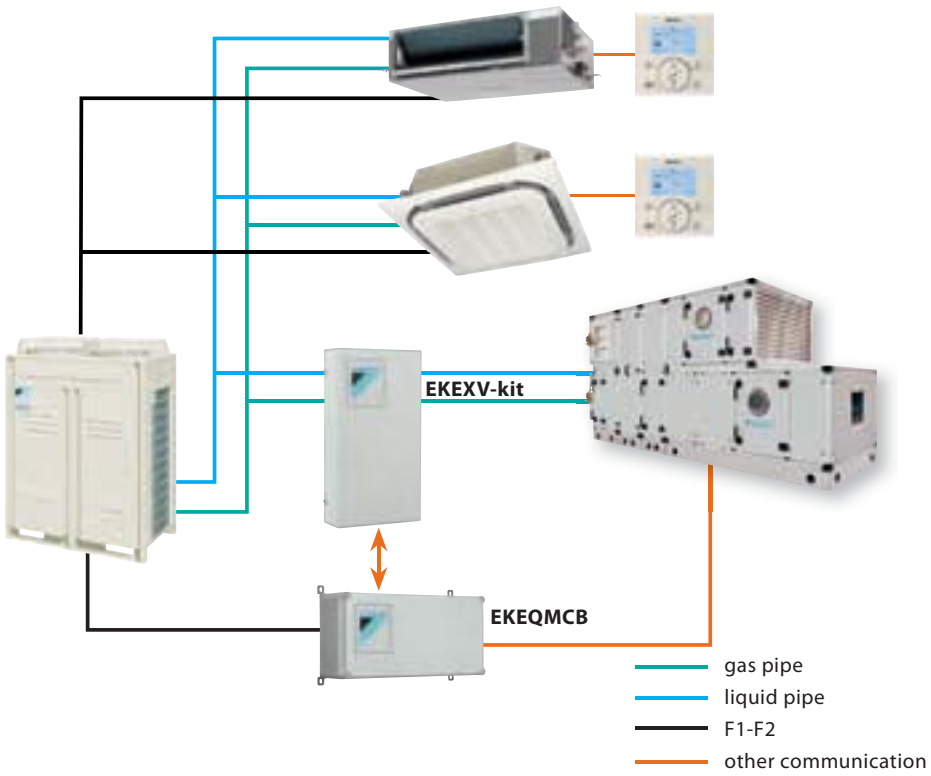
FXMQ200-250MF

- 100% fresh air intake possible
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Operation range: -5°C to 43°C
- Up to 225Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Drain pump kit available as accessory



Ventilation & air processing					FXMQ125MF	FXMQ200MF	FXMQ250MF
Cooling capacity	Nom.			kW	14.0	22.4	28.0
Heating capacity	Nom.			kW	8.9	13.9	17.4
Power Input (50Hz)	Cooling	Nominal		kW	0.359	0.548	0.638
	Heating	Nominal		kW	0.359	0.548	0.638
Dimensions	Unit	HeightxWidthxDepth		mm	470x744x1,100	470x1,380x1,100	
Weight	Unit			kg	86	123	
Air Flow Rate	Cooling			m³/min	18	28	35
	Heating			m³/min	-		
External Static Pressure	Standard			Pa	185	225	205
Refrigerant	Type				R-410A		
Sound Power	Cooling	Nominal		dBA	-		
Sound Pressure	Cooling	Nominal (220V)		dBA	42	47	
Operation range	On coil temperature	Cooling	max.	°CDB	43		
		Heating	min.	°CDB	-5		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9	19.1	22.2
	Drain				PS1B		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

VRV air handling applications



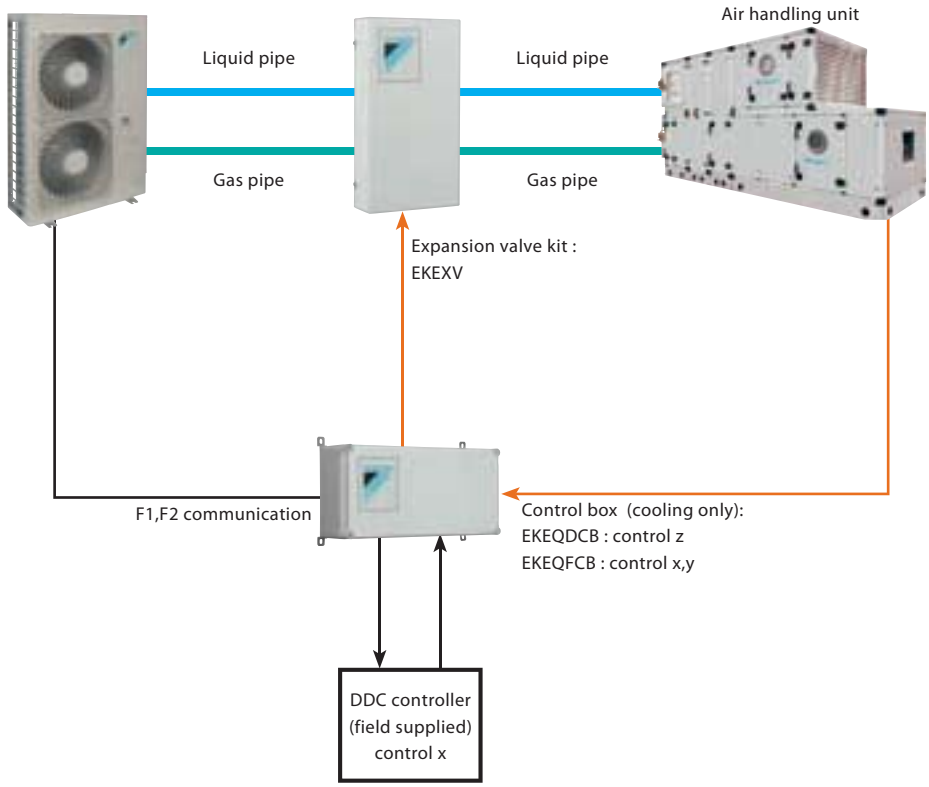
A R-410A inverter condensing units range for multi application with air handling units.

- Inverter controlled units
- Large capacity range (from 5 to 54HP)
- Heat recovery, heat pump
- R-410A
- Control of room temperature via Daikin control
- Large range of expansion valve kits available
- BRC1E52A/B is used to set the set point temperature (connected to the EKEQMCB).
- Connectable to all VRV heat recovery and heat pump systems

EKEXV class	Allowed heat exchanger capacity (kW)					
	Cooling (Evaporation temperature 6°C)			Heating (Condensing temperature 46°C)		
	Minimum	Standard	Maximum	Minimum	Standard	Maximum
50	5.0	5.6	6.2	5.6	6.3	7.0
63	6.3	7.1	7.8	7.1	8.0	8.8
80	7.9	9.0	9.9	8.9	10.0	11.1
100	10.0	11.2	12.3	11.2	12.5	13.8
125	12.4	14.0	15.4	13.9	16.0	17.3
140	15.5	16.0	17.6	17.4	18.0	19.8
200	17.7	22.4	24.6	19.9	25.0	27.7
250	24.7	28.0	30.8	27.8	31.5	34.7

A range of R-410A inverter condensing units for pair application with air handling units.

› Inverter controlled units
› Large capacity range (from 100 to 250 class)
› Heat pump
› R-410A
› Flexible control possibilities:
  - Control x:
    control of air temperature (discharge temperature, suction temperature, room temperature) via external device
    (DDC controller)
  - Control y:
    control of evaporating temperature via Daikin control (no DDC controller needed)
  - Control z:
    control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
› Wide range of expansion valve kits available



gas pipe
liquid pipe
F1-F2
other communication

COMBINATION TABLE

Outdoor unit		Control box		Expansion valve kit						
		control z	control x or y	class 63	class 80	class100	class 125	class 140	class 200	class 250
		EKEQDCBA	EKEQFCBA	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
1~	ERQ100AV1	P	P	P	P	P	P	-	-	-
	ERQ125AV1	P	P	P	P	P	P	P	-	-
	ERQ140AV1	P	P	-	P	P	P	P	-	-
3~	ERQ125AW1	P	P	P	P	P	P	P	-	-
	ERQ200AW1	P	P	-	-	P	P	P	P	P
	ERQ250AW1	P	P	-	-	-	P	P	P	P

P: Pair: Combination depending on air handling units coils volume.
x: Possibility to connect.

Ventilation					ERQ100AV1	ERQ125AV1	ERQ140AV1
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		
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.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
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					ERQ125AW1	ERQ200AW1	ERQ250AW1
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
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.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
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	

EKEXV

Expansion valve kit for air handling applications

EKEXV

- The system provides optimized air conditions such as fresh air and humidity control etc. and can be used in small warehouses, showrooms and offices.
- Wide range of units offers maximum application potential and flexible control options
- Control box and expansion valve kit are required for each combination plus an air handling unit
- Both option kits are designed for indoor and outdoor installation and can be wall mounted.

Ventilation					EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
Dimensions	Unit	HeightxWidthxDepth		mm	401x215x78							
Weight	Unit			kg	2.9							
Sound pressure level	Nom.			dBA	45							
Operation range	On coil temperature	Heating	Min.	°CDB	10 (1)							
		Cooling	Max.	°CDB	35 (2)							
Refrigerant	Type				R-410A							
Piping connections	Liquid	OD		mm	6.35	9.52						
	Gas	OD		mm	6.35	9.52						

(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

EKEQ

- Wide range of units offers maximum application potential and flexible control options
- The system provides optimized air conditions such as fresh air and humidity control etc. and can be used in small warehouses, showrooms and offices.
- Control box and expansion valve kit are required for each combination plus an air handling unit
- Both option kits are designed for indoor and outdoor installation and can be wall mounted.
- Wide offer in control possibilities: control x: room, suction or discharge temperature can be controlled via DDC control (field supplied); control y: control by fixed evaporating temperature; control z: room or suction temperature control via Daikin remote control; remote ON/OFF can be achieved by an optional adapter KRP4A51

Ventilation				EKEQFCB	EKEQDCB	EKEQMCB
Application				Pair		Multi
Outdoor unit				ERQ		VRV
Dimensions	Unit	HeightxWidthxDepth	mm	132x400x200		
Weight	Unit		kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230		

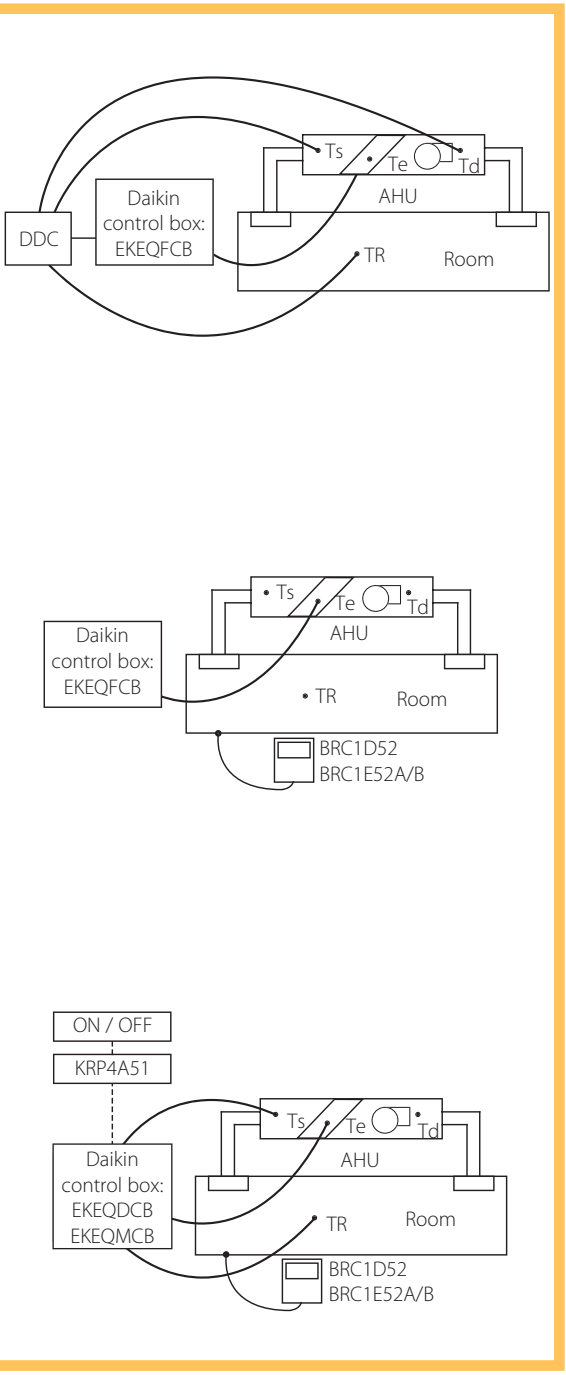
Control possibilities for air handling applications

In order to maximise installation flexibility, 3 types of control systems are offered:

POSSIBILITY X (TD/TR CONTROL):

Air temperature control via an external DDC controller (field supplied)

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.



POSSIBILITY Y (TE/TC CONTROL):

By fixed evaporating temperature

A fixed target evaporating temperature of between 3°C and 8°C can be set by the customer. In this case, room temperature is only indirectly controlled. The cooling load is determined from the actual evaporating temperature (i.e. load to the heat exchanger). A Daikin wired remote controller (BRC1D52 or BRC1E52A/B - optional) can be connected for error indication.

POSSIBILITY Z (TD/TR CONTROL):

Using Daikin wired remote controller (BRC1D52 or BRC1E51A/B - optional)

Set point can be fixed via standard Daikin wired remote controller. Remote ON/OFF can be achieved by an optional adapter KRP4A51.
No external DDC controller should be connected. The cooling load is determined from the air suction temperature and set point on the Daikin controller.

Ts = Air suction temperature
Td = Air discharge temperature
Tr = Room temperature
Te = Evaporating temperature
AHU = Air Handling Unit
DDC = Digital Display Controller

	OPTION KIT	FEATURES
Possibility x	EKEQFCB	Field supplied DDC controller is required Temperature control using air suction or air discharge temperature
Possibility y		Using fixed evaporating temperature, no set point can be set using remote controller
Possibility z	EKEQDCB EKFQMCB*	Using Daikin wired remote controller BRC1D52 or BRC1E52A/B Temperature control using air suction temperature

* EKEQMCB (for 'multi' application)

CYQS/M/L-DK-F/C/R

CYQM150DK80FSN

CYQM150DK80CSN

CYQM150DK80RSN

- 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 sytems, boilers and gas connections are required
- 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			R-410A						
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 (BRC1E52A/B or 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			R-410A			
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 (BRC1E52A/B or 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

CYVS/M/L-DK-F/C/R

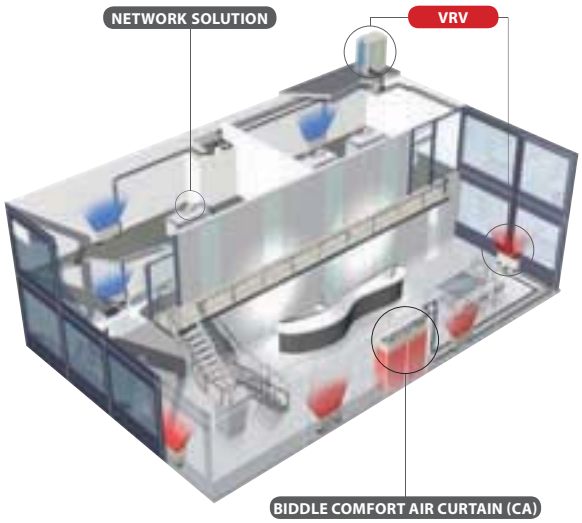
Biddle air curtain for VRV

CYVM150DK80FSC

CYVM150DK80CSN

CYVM150DK80RSN

- Connectable to VRV heat recovery and heat pump
- 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 sytems, boilers and gas connections are required
- 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			
				CYVS100DK80*BN/*SN	CYVS150DK80*BN/*SN	CYVS200DK100*BN/*SN	CYVS250DK140*BN/*SN	CYVM100DK80*BN/*SN	CYVM150DK80*BN/*SN	CYVM200DK100*BN/*SN	CYVM250DK140*BN/*SN
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			R-410A							
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 (BRC1E52A/B or BRC1D52)							
Power supply	Voltage		V	230							

				Large			
				CYVL100DK125*BN/*SN	CYVL150DK200*BN/*SN	CYVL200DK250*BN/*SN	CYVL250DK250*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			R-410A			
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 (BRC1E52A/B or 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

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 Hamburg Marine Office is your competent partner.

MARINE TYPES

USDP*GC / USDN*HA Daikin marine type deck units

- Energy saving
- Compact design
- Refrigerants R-404A - 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~HR1 / USP~H Daikin Marine Type Packaged Series

- Excellent durability
- Hermetic scroll compressor
- Light weight design
- Refrigerants: R-404A - 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

For more information, visit http://www.daikin.eu/product/industrial/marine

USF*J(A)

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
- R-404A

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

Daikin Marine Type Small Size Condensing Unit

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-404A):

- An open type reciprocating compressor of optimum design for R-404A
- Equal installation & maintenance as R-22

For more information, visit http://www.daikin.eu/product/industrial/marine