DAIKIN

your comfort. our world.

Daikin UK Product Catalogue 2011

Unique solutions for every environment

Foreword

Daikin UK is a leading supplier of heating, cooling and refrigeration solutions for commercial, residential and industrial applications.

Daikin – the leader in manufacturing quality and customer service

Daikin was founded in 1924 in Osaka, Japan. The company we now know as Daikin Industries Ltd (DIL) is the parent company of Daikin Europe N.V. (DENV) which was established in Ostend, Belgium in 1972.

Daikin Europe is continuously updating and expanding its manufacturing facilities, to a point where they are now acknowledged as the most advanced in their field in Europe. This is backed by zero defect production, efficient supply chain management and unrivalled research and development support from DIL.

These substantial production facilities are underpinned by a network of wholly owned affiliate companies in the UK, France, Germany, Italy, Spain, Portugal, Poland, Greece, Belgium, Holland and Central Europe. There are also numerous independent distributors throughout Europe, Africa and the Middle East.

With more than 50 years experience in the production of heat pumps now manufacturing over a million units a year, Daikin has been at the forefront of the drive for energy efficient heat pump technology. The systems are manufactured entirely 'in-house' in Daikin's state of the art factories – this includes the all important energy efficient inverter driven compressor unit.

As one of many wholly owned affiliate companies, Daikin UK is a leading supplier of heating, cooling and refrigeration solutions for commercial, residential and industrial applications. Our product portfolio comprises a wide range of highly energy efficient climate control systems which provides the public and private sectors with the right product for any application and requirement.

- State of the art direct expansion air conditioning
- Heat pump residential and light commercial heating, domestic hot water and cooling
- Applied central cooling and heating
- Medium to low temperature refrigeration

Respect for the environment

1. Reducing waste in manufacturing and operations
2. Recycling materials and equipment
3. Designing and producing energy-efficient equipment

Daikin has an enviable record in concern for environmental issues and applies it to all areas of the business, implementing and in many cases pre-empting, international and local environmental protective legislation.

This commitment is reflected in three areas:

1. Reducing waste in manufacturing and operations
2. Recycling materials and equipment
3. Designing and producing energy-efficient climate control equipment

Reducing waste and recycling

At the Factory

- Wastewater is treated before being discharged into the city drainage system, with the recovered sludge being a useful ingredient in cement manufacturing
- Other waste is also carefully sorted and recycled, supported by a continually evolving factory layout that encourages the optimum use of resources
- Returnable packaging is invested in where possible
- ISO 9001 approved for quality management
- ISO 14001 approved for environmental management

In the UK

- ISO 9001 approved for quality management
- ISO 14001 approved for environmental management
- All printed sales literature is made using recycled, FSC certified paper and printers

Recycling equipment

Daikin UK's unique recycling service takes this commitment to the environment one step further. Despite the WEEE directive 2002/96/EC not currently including fixed air conditioning, when installing Daikin equipment you can arrange for up to 95% of the redundant equipment to be reprocessed by an authorised WEEE recycler.

Once collected from site, the end of life air conditioning equipment will be transported to a recycling facility, where it is dismantled in such a way that any hazardous substances are destroyed or reprocessed. This service is available to all installers of Daikin equipment, regardless of the manufacturer of the redundant units.

Energy efficient climate control equipment

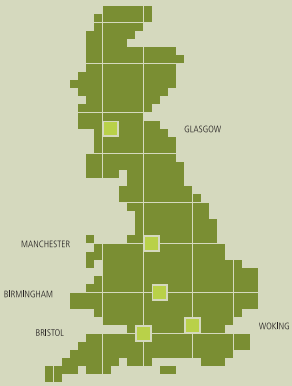
Our products reflect the concept of combining maximising energy efficiency with maximum respect for the environment. Their utilisation of heat pump technology for example, results in far lower energy consumption and in the case of heating, drastically lower CO_2 emissions are achievable than with fossil fuel burning systems. Also their incorporation of numerous detailed features such as inverter control, heat recovery, economy operating modes, movement sensors among others, enhance user comfort without compromise to either efficiency or the environment.

DAIKIN UK
RECYCLING
END OF LIFE
AIR CON
UNITS

▲ Daikin UK, Weybridge Head Office

▼ Office locations

▼ Training Centre locations



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Marchburn Drive, Paisley PA3 2SJ
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Contents

For a copy of our latest Price List please call **0845 6419000**

Energy labelling

Energy labelling is part of a European Climate Change program, targeting energy efficiency as one method of reducing CO_2 emissions.

The European Commission determines that improved awareness will enable users to purchase the most ecologically economic unit for their needs.

What?

The label provides information on air conditioning unit energy consumption. Units with cooling capacities up to 12kW are classified by energy consumption in categories from 'A' to 'G' and colour coded accordingly. The most energy efficient 'A' category units are indicated by a dark green arrow and the least efficient 'G' category units, by a red arrow. Thus users can compare the efficiencies of equal types of unit from different brands.

What is listed on the label

Manufacturer's name and logo and type of indoor and outdoor units (*).

Indicated annual energy consumption

Approximate annual energy consumed is indicated, based on a standard residential model. Annual consumption is calculated by multiplying total power input by an average of 500 hr/year IN COOLING MODE AT FULL LOAD. Annual energy consumption cost is calculated by multiplying this figure by user's electricity tariff.

Cooling output

Is the unit's cooling capacity in kW operating in cooling mode at full load. Users should select a unit with a rated output sufficient for their cooling/heating requirements. Oversized units can increase on/off cycling, shortening service life and undersized units will not provide adequate cooling or heating. Output figures can be obtained from the manufacturer or local dealer.

Energy Efficiency Ratio (EER)

Is the unit's cooling output divided by the total electrical power input required to deliver it – the higher the EER, the greater the energy efficiency.

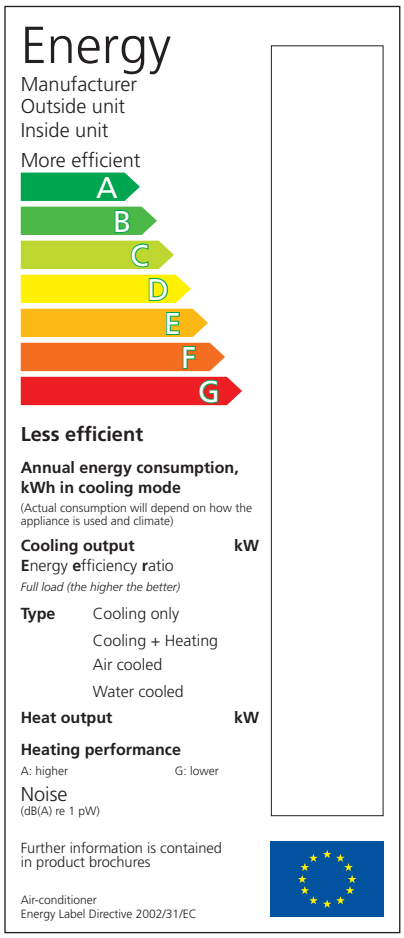
Type

Indicates whether the unit is a cooling only or cooling/heating model. Cooling mode indicates whether the unit is water or air cooled.

Heat output

Is the heating capacity of the unit in kW, operating in heating mode at full load.

* For multi models, Daikin indicates a single outdoor unit with a maximum of 2 wall mounted indoor units.



Energy efficiency class of the unit in **cooling** mode:

A	EER > 3.20
B	3.20 ≥ EER > 3.00
C	3.00 ≥ EER > 2.80
D	2.80 ≥ EER > 2.60
E	2.60 ≥ EER > 2.40
F	2.40 ≥ EER > 2.20
G	2.20 ≥ EER

Energy efficiency class of the unit in **heating** mode:

A	COP > 3.60
B	3.60 ≥ COP > 3.40
C	3.40 ≥ COP > 3.20
D	3.20 ≥ COP > 2.80
E	2.80 ≥ COP > 2.60
F	2.60 ≥ COP > 2.40
G	2.40 ≥ COP

Daikin UK extranet

Detailed technical data for all our products, operation, maintenance and service manuals, images, Daikin software and much more is available on our extranet **www.daikin.co.uk/extranet**

Please take advantage of our extranet facility by registering for a password today at **www.daikin.co.uk/Extranet_Registration**

Daikin UK training

Daikin UK offer customised product training designed to raise standards, set industry benchmarks and help with developing both product and service expertise.

All training is given by highly skilled engineers who will be able to provide extensive in depth knowledge of our equipment.

For more information on courses please find contact details below:

Open weekdays 9am – 5.30pm
T: 0845 64 19 260
E: training@daikin.co.uk
F: 0845 64 19 075
www.daikin.co.uk/extranet

The courses are available at the following industry leading technology centres:

Bristol
Daikin Airconditioning UK Limited
Maple House, Brotherswood Court, Great Park Road, Almondsbury, Bristol BS32 4QW

Woking
Daikin Airconditioning UK Limited
1 River Court, Albert Drive, Woking, Surrey GU21 5RP

Birmingham
Daikin Airconditioning UK Limited
Unit 8, Holly Park, Spitfire Road, Birmingham, West Midlands B24 9PB

Manchester
Daikin Airconditioning UK Limited
17b Cobra Court, Blackmore Road, Manchester M32 0QY

Glasgow
Daikin Airconditioning UK Limited
Unit 2, Glasgow Airport Business Park Marchburn Drive, Paisley PA3 2SJ

Heating

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 unsustainable option for the environment.

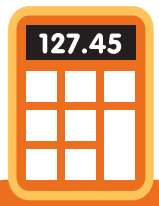
Nobody wants to waste their money. Since approximately two thirds of the heat generated by the Daikin heat pump systems is free, the perfect solution is just around the corner. Moreover, since heat pumps consume less energy than traditional heating systems, they also generate less CO_2 emissions.

Air to water heat pumps use energy from a renewable source: 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 are becoming aware of new heating technologies. In less than a decade practically all properly insulated buildings 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.

Heating



For a copy of our latest Price List please call 0845 6419000


°C

Daikin Altherma

Air to water heat pump

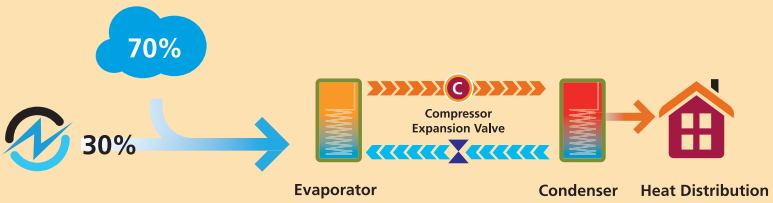
DAIKIN ALTHERMA... Tomorrow's solution today!

Daikin Altherma is safe, reliable, highly efficient and a low carbon solution for home heating and hot water. Daikin Altherma heats up to 5 times more efficiently than a traditional heating system based on fossil fuels or electricity. By making use of the heat in the outside air it uses much less energy, whilst still providing year round comfort.

Daikin Altherma low temperature split refrigerant system consists of an outdoor unit and an indoor hydro-box that can be connected to all standard low temperature radiators and underfloor heating systems. Daikin Altherma Monobloc has all hydraulic components in a single outdoor unit and no refrigerant handling qualification is required. Inverter technology means energy savings are even greater.

70% of heat is generated free from renewable energy – the air

A heat pump system works like a refrigerator – but in reverse.



COP (Coefficient of Performance)

The COP is defined as the ratio of output energy in kilowatts (kW) and the input energy kilowatts (kW). The higher the COP, the more efficient the system. The Daikin Altherma heat pump has a COP of 3 to 5, which means that the pump delivers 3 to 5 times more energy than it uses. From 1 kilowatt of electricity Daikin Altherma produces 3 to 5 kilowatts of available heat.

Minimal installation cost

Daikin Altherma takes heat from the air. No digging or excavation works are required. Both the outdoor and indoor units are compact. The outdoor unit can be located easily outside any building, including apartments. Without flames or fumes, there is no need for a flue or constant ventilation in the room, where Daikin Altherma's indoor unit is installed.

Flexible configurations

Daikin Altherma can be configured for use in both new and refurbishment applications and connects to standard low temperature radiators, under floor heating or fan coil units. If you already have a heating system, you don't need to change everything.

Complete comfort for the family

Daikin Altherma not only satisfies heating and domestic hot water requirements, it also comes with a cooling option.

Absolutely safe

Daikin Altherma doesn't need oil, gas or other hazardous substances. Moreover, you don't need a gas connection or a fuel tank. No risk of intoxication, smell or pollution from possible leaking tanks.

How the system works

1 The heat pump extracts heat from the outside air

Daikin Altherma uses a natural, renewable source of energy… air.

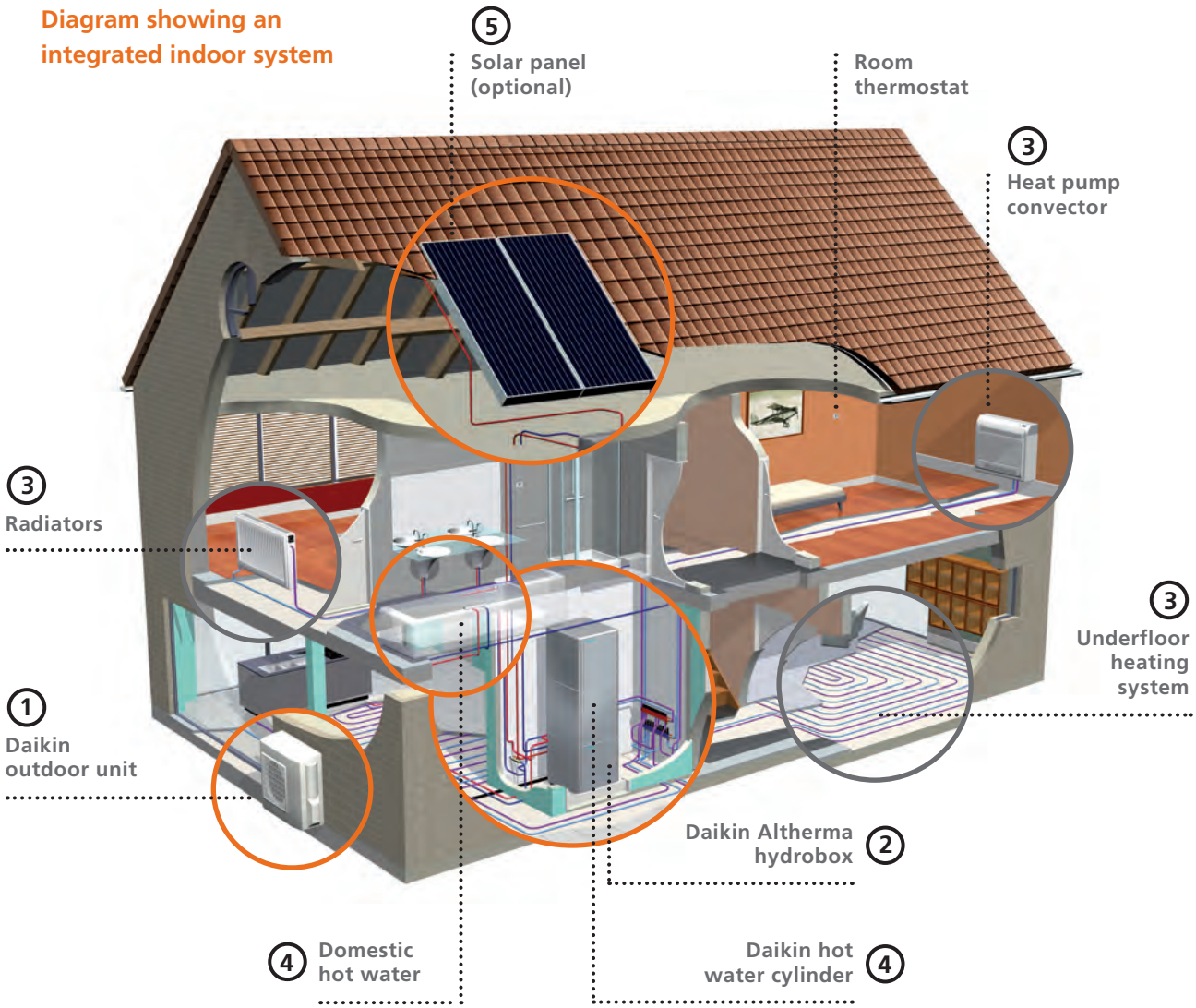
The outdoor unit derives heat from the surrounding air and raises its temperature until it is high enough to heat a home. This heat is then transmitted to the indoor unit through heat transfer fluid.
The compact outdoor unit is easily installed and can also be used in properties without a garden.

2 The system raises this heat to a higher temperature

For a split system, the indoor hydrobox unit heats the water that circulates through the radiators, floor heating systems or heat pump convectors and provides domestic hot water.

If the user opts for the combination of heating and cooling, then the indoor unit can also decrease the water temperature for a cooling distribution system.

Diagram showing an integrated indoor system



3 This heat is then distributed throughout the home via heat emitters...

Underfloor heating

Underfloor heating is possibly the best solution for new installations. It provides the following benefits:

- Maximum comfort due to radiated heat
- Maximum efficiency compared to other heat emitters
- Unobtrusive i.e. no wall space required
- Water flow temperatures typically 35 to 40°C
- Seasonal COP typically 3.5 to 4.5

Radiators

Traditionally used as the costs are relatively inexpensive compared to other systems. The main benefits for the radiator system are:

- Traditional heating solution
- Low capital cost
- Water temp typically 50°C with heat pumps (radiators must be sized accordingly)
- Seasonal COP with weather compensation typically 3.0 to 3.5

Heat pump convectors

These systems are more diverse in that they can provide both heating and cooling if required. Benefits include:

- Able to heat and cool
- Cased or concealed units
- Individual control
- Water flow temperatures typically 35°C heating, 7°C for cooling option
- Seasonal COP heating typically 3.5 to 4.5

4 ...and to the bath, shower and sinks

A purpose built stainless steel unvented hot water cylinder, constructed to maintain the highest levels of energy efficiency, is available to meet domestic hot water needs. The combination of an electric immersion or in line booster heater ensures the lowest possible energy consumption with rapid water heating. In addition, a built in function raises the water temperature to 60°C or higher at least once a week to remove any possibility of legionella growth.

5 Optional Solar Kit

The Daikin Altherma System can be easily combined with solar collectors to produce hot water. The sun provides 30 to 70% of the energy required for our hot water needs. Daikin Altherma, your total solution, thinks of the future.

Daikin Altherma controls

Smart temperature controller

The control system which operates Daikin Altherma is built into the casing of the indoor unit and is very simple to use. With this integrated control, it is possible to regulate the heating according to the needs of the user. It is easy to set up a full weekly programme and in this way, temperature is reduced automatically at night or during holidays and increased when the user gets up or returns home.

The system can also be combined with additional temperature regulating systems with separate thermostats for living rooms, bedrooms, etc.

Weather compensation

Whatever the temperature outside Daikin Altherma optimises the temperature inside. Daikin Altherma has weather compensation built into its integrated control system, allowing it to minimise energy input to achieve optimum temperature conditions. Compared to most systems Daikin Altherma will be more efficient and will cost less to use. Daikin Altherma has weather compensation built in as standard.

Room thermostat

With the wired or wireless room thermostat, the ideal temperature can be easily, quickly and conveniently regulated. As an option to the wireless room thermostat, an external sensor (EKRTETS) can also be placed between the under floor heating and the floor. It allows for more precise measurement and can regulate the comfort level even more optimally and energy efficiently.

EKRTW: wired wall-mounting room thermostat
EKRTR: wireless room thermostat.

ERHQ-B

ERHQ-B

OUTDOOR UNIT			INVERTER								
			ERHQ006BV3	ERHQ007BV3	ERHQ008BV3	ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Dimensions	HxWxD	mm	735x825x300			1170x900x320			1345x900x320		
Nominal capacity	Heating	kW	5.75	6.84	8.43	11.2	14.0	16.0	11.32	14.5	16.05
	Cooling	kW	5.12	5.86	6.08	10.0	12.5	13.1	11.72	12.55	13.12
Nominal input	Heating	kW	1.26	1.58	2.08	2.46	3.17	3.83	2.54	3.33	3.73
	Cooling	kW	2.16	2.59	2.75	3.6	5.29	5.95	4.22	5	5.65
COP			4.56	4.33	4.05	4.55	4.42	4.18	4.46	4.35	4.3
EER			2.37	2.26	2.21	2.78	2.36	2.2	2.78	2.51	2.32
Operation range	Heating	°C	-20 ~ 25			-20 ~ 35			-20 ~ 35		
	Cooling	°C	10 ~43			10 ~46			10 ~46		
	Hot water	°C	-20 ~ 43								
Sound Pressure level	Heating	dBA	48	48	49	49	51	53	51	51	52
	Cooling	dBA	48	48	50	50	52	54	50	52	54
Weight		kg	56			103			108		
Refrigerant charge	R-410A	kg	1.7			3.7			2.95		
Power Supply			1 ~ /230V/50Hz						3 ~/400V/50Hz		
Recommended fuses		A	20			32			20		

Nominal Capacity and Power Input based on the following conditions:
Heating Ambient 7 °CDB/6 °CWB / Leaving Water Temp. 35 °C (DT 5 °C) **Cooling** Ambient 35 °C / Leaving Water Temp. 7 °C (DT 5 °C)

(*) ERLQ-C series also available, please check the Heating Price List for more details.

Daikin Altherma split

Air to water heat pump

LOW TEMPERATURE

Wall hung indoor unit and cylinder

INDOOR UNIT (WALL HUNG HYDROBOX)			EKHBH008B***	EKHBX008B***	EKHBH016B***	EKHBX016B***
Function			Heating only	Reversible	Heating only	Reversible
To use with			ERHQ006~008B**		ERHQ011~016B**	
Dimensions	HxWxD	mm	922x502x361	922x502x361	922x502x361	922x502x361
Leaving Water Temperature Range	heating	°C	15~50		15~55	
	cooling	°C	-	5~22	-	5 - 22
Drain valve			Yes			
Material			Epoxy polyester painted galvanized steel			
Colour			RAL 9010 (neutral white)			

EKHBH(X)-B*

*** Hydro Box with Factory Mounted Electric Heater

DOMESTIC HOT WATER CYLINDER			EKHWSU150B3V3	EKHWSU200B3V3	EKHWSU300B3V3
Suitable for			Unvented Systems (EKUHWB Kit also required - see below)		
Water Volume		l	150	200	300
Max Water Temperature		°C	85		
Booster Heater Capacity		kW	3		
Power Supply		ph/V/Hz	1/230/50		
Height		mm	1015	1265	1715
Diameter		mm	580		
Empty Weight		kg	38	46	60
Colour			Neutral White		
Material Inside Cylinder			Stainless Steel (DIN 1.452 1)		
Material Outside Casing			Epoxy-Coated Mild Steel		
Piping Connections (Diameter)	Water inlet H/E	inch	3/4"		
	Water outlet H/E	inch	3/4"		
	Cold Water in	inch	3/4"		
	Hot water out	inch	3/4"		

EKHWSU200B3V3

SOLAR ENABLING KIT			EKSOLHWAV1
Dimensions	HxWxD	mm	770x305x207
Heat exchanger	Pressure drop	kPA	21.5
	Max. inlet temp	°C	110
	Capacity	W/K	1,400
Ambient temperature	Max.	°C	35
	Min.	°C	1
Power supply			1~/220-240V/50Hz
Power supply intake			indoor unit

Floor standing integrated indoor unit and cylinder

INDOOR UNIT (FLOOR STANDING HYDROBOX)			EKHVH008BB***	EKHVX008BB***	EKHVH016BB***	EKHVX016BB***
Function			Heating only	Reversible	Heating only	Reversible
Dimensions	HxWxD	mm	860x680x800			
Leaving Water Temperature Range	heating	°C	15~50		15~55	
	cooling	°C	-	5~22	-	5 - 22
Drain valve			Yes			
Material			Precoated sheet metal			
Colour			Metallic grey			

EKHTS

DOMESTIC HOT WATER CYLINDER			EKHTSU200AC	EKHTSU260AC
Suitable for			Unvented systems (EKUWHT kit also required - see below)	
Water Volume		l	200	260
Max Water Temperature		°C	75	
Dimensions	HxWxD	mm	2010 x 600 x 695	2285 x 600 x 695
Empty Weight		kg	70	78
Colour			Metallic grey	
Material Inside Cylinder			Stainless steel	
Material Outside Casing			Precoated sheet metal	
Piping Connections (Diameter)	Water inlet H/E	inch	3/4"	
	Water outlet H/E	inch	3/4"	
	Cold Water in	inch	3/4"	
	Hot water out	inch	3/4"	

Daikin Altherma Monobloc

Air to water heat pump

LOW TEMPERATURE

Outdoor unit and indoor unit in ONE! In addition to the Daikin Altherma Split system, the Daikin Altherma Monobloc is a version with all key hydraulic parts located within the outdoor unit.

In this Daikin Altherma system water pipes, rather than refrigerant lines, run indoors from the outdoor unit making installation much quicker and easier for heating installers.

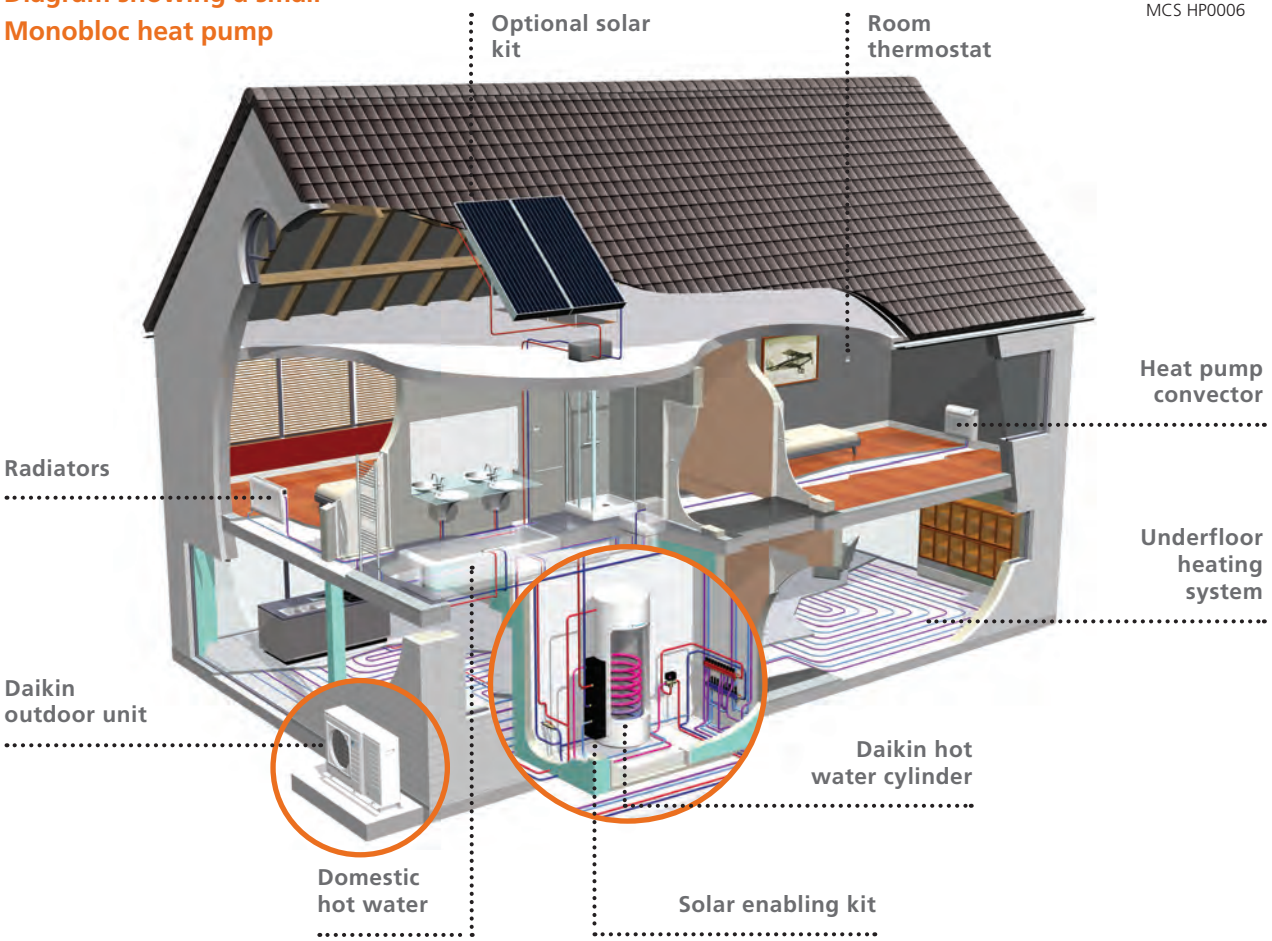
In order to protect the water pipes from freezing up during winter, insulation is provided for all hydraulic components and special software has been applied to activate the pump and back up heater if necessary. This prevents the water temperature from dropping below freezing point and reduces the need for the addition of glycol to the water pipes.

- Water pipes between outdoor unit and indoor heating appliances
- Freeze protection of hydraulic parts
- Connectable to under floor heating, low temperature radiators and heat pump convectors, just like the standard Daikin Altherma system
- Domestic hot water cylinder with optional solar kit, perfectly combinable with solar collectors.

APPROVED PRODUCT

MCS HP0006

Diagram showing a small Monobloc heat pump



MONOBLOC 6kW-8kW			EBHQ006BAV3	EBHQ008BAV3
COP			4.56	4.05
Sound power level	Heating	dBA	61	62
	Cooling	dBA	63	63
Sound pressure level	Heating	dBA	48	49
	Cooling	dBA	48	50
Dimensions	HxWxD	mm	805 x 1190 x 360	
Refrigerant Charge (Factory)		kg	1.7	
Power Supply			1~/230V/50Hz	
Water Connection		"	1"	

EBHQ006-008

OPTIONAL BACK UP HEATER KIT (FOR SMALL MONOBLOC)			EKMBUHB6V3
Dimensions	Max depth	mm	170
	Max width	mm	380
	Max height	mm	575
Power supply			1~/230V/50Hz
Water connection		"	1 1/4"

CONTROL BOX (FOR SMALL MONOBLOC)			HEATING ONLY	REVERSIBLE
			EKCBH008BBV3	EKCBX008BBV3
To use with			EBHQ006~008BAV3	
Dimensions	Max depth	mm	100 (excluding user interface)	
		mm	120 (including user interface)	
	Max width	mm	412	
	Max height	mm	390	
Power supply			1~/230V/50Hz	
Colour			RAL 7011 (iron grey)	

EKCBH008/EKCBX008

OUTDOOR UNIT			HEATING ONLY			REVERSIBLE		
SINGLE PHASE	Without bottom plate heater		EDHQ011A6V3	EDHQ014A6V3	EDHQ016A6V3	EBHQ011A6V3	EBHQ014A6V3	EBHQ016A6V3
Nominal capacity	Heating	kW	11.20	14.00	16.00	11.20	14.00	16.00
	Cooling	kW				10.00	12.50	13.10
Nominal input	Heating	kW	2.47	3.20	3.79	2.47	3.20	3.79
	Cooling	kW				3.60	5.30	5.85
COP			4.54	4.37	4.22	4.54	4.37	4.22
EER						2.78	2.36	2.24
Operation range	Heating	°C	-15~35(1)			-15~35(1)		
	Cooling	°C				10~46		
	Domestic water	°C	-20~43			-20~43		
Sound power level	Heating	dBA	64	64	66	64	64	66
	Cooling	dBA				64	66	69
Sound pressure level	Heating	dBA	51	51	52	51	51	52
	Cooling	dBA				50	52	54
Dimensions	HxWxD	mm	1418 x 1435 x 382			1418 x 1435 x 382		
Weight		kg	180			180		
Refrigerant charge	R-410A	kg	2.95			2.95		
Power Supply			1~/230V/50Hz			1~/230V/50Hz		
Recommended fuses		A	32			32		

EDLQ/EBLQ

Measuring conditions: Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - Cooling Ta 35°C - LWE7°C (DT=5°C)
(1) E(D/B)L* models can reach -20°C

		HEATING ONLY			REVERSIBLE		
COMBINATION TABLE	Without bottom plate heater	EDHQ011A6V3	EDHQ014A6V3	EDHQ016A6V3	EBHQ011A6V3	EBHQ014A6V3	EBHQ016A6V3
Stainless steel domestic hot water tank	EKHWSU150B3V3	•	•	•	•	•	•
	EKHWSU200B3V3	•	•	•	•	•	•
	EKHWSU300B3V3	•	•	•	•	•	•
Solar kit	EKSOLHWAV1	•	•	•	•	•	•
Wired remote control	EKRTW	•	•	•	•	•	•
Wireless remote control	EKRTR + EKRTETS	•	•	•	•	•	•

Daikin Altherma HT

Air to water heat pump

HIGH TEMPERATURE

The ideal replacement for existing boilers. A further addition to the range, the award winning Daikin Altherma HT guarantees water temperatures of up to 80°C. This will supply all of a home's heating and hot water requirements, even on the coldest days of the year at temperatures down to -20°C.

Using a specially designed cascading heat pump configuration, flow temperatures of up to 80°C can be achieved without requiring an additional electric heater. The system consists of an outdoor heat pump and an indoor unit hydrobox where the upgraded free heat from the air is transferred to the heating and hot water system. The hot water cylinder completes the package and it can be installed next to or mounted neatly on top of the indoor unit.

Delivering COPs of over 3 – compared to condensing boiler efficiencies of 0.93 at best – the Daikin Altherma HT system provides a direct alternative for boiler replacement, as it can fully support existing radiator systems, providing a highly efficient and versatile high temperature solution without the need for a non-renewable back up heating system.

APPROVED PRODUCT

MCS HP0006

EKHBRD-AA

ERSQ

COMBINATION OUTDOOR INDOOR					
OUTDOOR UNIT			**ERSQ011AAV1**	**ERSQ014AAV1**	**ERSQ016AAV1**
SINGLE PHASE					
Nominal capacity	Heating	kW	11	14	16
Nominal input	Heating	kW	3.57	4.66	5.57
COP			3.08	3.00	2.88
Operation range	Heating	°C	-20 to +20		
	Domestic water	°C	-20 to +35		
Sound power level	Heating	dBA	68	69	71
Sound pressure level	Heating	dBA	52	53	55
Dimensions	HxWxD	mm	1345 x 900 x 320		
Weight		kg	120		
Refrigerant charge	R-410A	kg	4.5		
Power Supply			1~/230V/50Hz		
Recommended fuses		A	32		
INDOOR UNIT			**EKHBRD011ABV1**	**EKHBRD014ABV1**	**EKHBRD016ABV1**
FUNCTION HEATING ONLY					
Dimensions	HxWxD	mm	705 x 600 x 695		
Weight		kg	144.25		
Leaving Water Temp		°C	25-80 without electrical heating		
Drain Valve/Fill Valve			Yes		
Material			Precoated sheet metal		

Measuring conditions - EW: 55°C; LW: 65°C; dT: 10°C; ambient conditions: 7°CDB/6°CWB

COMBINATION TABLE INDOOR - ACCESSORIES		EKHBRD011ABV1	EKHBRD014ABV1	EKHBRD016ABV1
Stainless steel DHW cylinder (unvented)	EKHTSU200AC	•	•	•
	EKHTSU260AC	•	•	•
Wired remote control	EKRTW	•	•	•
Wireless remote control	EKRTR + EKRTETS	•	•	•

Daikin Altherma Flex Type

New Daikin Altherma Flex Type heat pump series is ideal for apartment buildings and community heating, providing a renewable energy solution for apartments.

Efficient air-to-water heat pump technology for entire apartment buildings

- Applications: heating, domestic hot water and optional cooling from a single efficient system
- Up to 80°C water temperatures by heat pump only
- The use of this system results in*
  - 27% reduction in primary energy use,
  - 59% less CO_2 emissions and
  - 33% less operating costs compared to an installation with individual gas boilers

* Simulation calculation carried out on an apartment building in Belgium: 5 floors, 22 apartments, average size per apartment: 107m²; all apartments are assumed to be heated with under floor heating and radiators.

Modular system is easy to install

- One outdoor heat pump unit can serve up to 10 apartments
- Outdoor units with capacities of between 23 and 45kW
- Multiple outdoor units can be installed for still larger applications
- A small footprint 'plug and play' indoor unit is installed in each individual dwelling

Flexible control

- Since connection between outdoor and indoor units is made by small diameter refrigerant pipework, a minimum sized utility shaft is all that is needed
- Building heights of 50 metres can be accommodated
- Each individual apartment is fitted with an intelligent user interface plus optional wired or wireless room thermostats. Features include control of:
  - room temperature,
  - domestic hot water temperature,
  - a space heating function,
  - weather dependent setpoint and
  - room temperature compensation

Daikin solar thermal systems

LOW TEMPERATURE

As a further extension to Daikin air to water heat pump range, the Daikin Altherma low temperature range is available in combination with the Daikin solar thermal pressurised systems.

The Daikin Solar Systems maximize the use of renewable free energy. The high-efficiency flat plate solar collectors are normally mounted on roof tiles and transfer short-wave solar radiation into heat.

The Daikin Altherma Low temperature system operates in conjunction with an indirect pressurised solar system. A specially designed interface kit transfers the solar heat into the Daikin Altherma hot water cylinder via an external heat exchanger, which allows the entire content of the cylinder to be heated efficiently with solar heat. During solar heating, the heat pump is disabled as the solar energy gets priority, ensuring maximum efficiency. However, whenever extra energy is needed, the Daikin Altherma air to water heat pump provides efficient support for hot water production, all with very low environmental impact.

Unlike many other systems in the market, the entire Daikin Altherma and Daikin Solar range offers a complete heating and hot water solution, not just a heat source.

011-7S1016 F

SOLAR COLLECTOR			EKSV26P	EKSH26P
Position			Vertical	Horizontal
Dimensions	HxWxD	mm	2000x1300x85	1300x2000x85
Outer surface		m²	2.6	
Absorber surface		m²	2.36	
Weight		kg	42	
Water content		l	1.7	2.1
Absorber			Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate	
Coating			Micro-therm (absorption max. 96%, emission ca. 5% +/- 2%	
Glazing			Single pane safety glass, transmission +/- 92%	
Heat insulation			Mineral wool, 50mm	
Max. pressure drop at 100l/min		mbar	3	0.5
Allowed roof angle			15° to 80°	
Max. standstill temperature		°C	200	
Max. operating pressure		bar	6	

EKSV26P

The collectors are standstill resistant over a long period and are tested for thermal shock.
Minimum collector yield over 525kWh/m² at 40% covering proportion, location Würzburg, Germany.

SOLAR KIT			EKSOLHWAV1
Dimensions	HxWxD	mm	770x305x270
Heat exchanger	pressure drop	kPA	21.5
	max. inlet temp	°C	110
	heat exchange capacity	W/K	1400
Ambient temperature	max.	°C	35
	min.	°C	1
Power supply			1~/220-240V/50Hz
Power supply intake			Indoor unit
Weight		kg	8
Sound pressure level		dBA	27

EKSOLHWAV1

PUMP STATION			EKSRDS1A with controller EKSR3PA
Mounting method			On wall
Dimensions	HxWxD	mm	332x230x145
Power supply			230V / 50 Hz
Control			Digital temperature difference controller with plain text
Max. electric power consumption of the control unit		W	2
Solar panel temperature sensor			Pt1000
Storage tank sensor			PTC
Return flow sensor			PTC
Feed temperature and flow sensor (option)			Voltage signal (3,5V DC)

EKSRDS1A

Daikin heat pump convector

HIGH TEMPERATURE

LOW TEMPERATURE

The heat pump convector is much more than a fan coil unit or any other heat emitter. The heat pump convector can provide both heating and cooling if required and obtains optimal energy efficiency when connected to a Daikin Altherma Low Temperature system.

With an interlink function, the heat pump convector is able to emit the required levels of heat with low water temperatures, while retaining a compact size. The heat pump convector improves efficiency by approximately 25% compared to a heating system that combines under floor heating and regular fan coil units. The heat pump convector can easily replace existing heat emitters, thanks to its plug and play installation. Available in a 1.5kW and 2kW capacity.

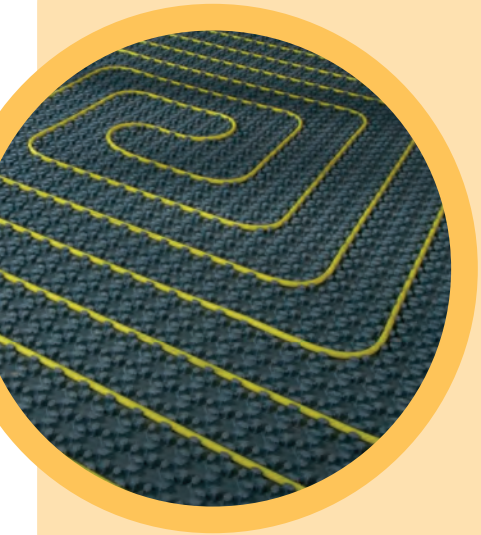
EWXV15-20

HEAT PUMP CONVECTOR				
			EWXV15AVEB	EWXV20AVEB
Dimensions	HxWxD	mm	600 x 700 x 210	
Nominal capacity	Heating	kW	1.5	2
	Cooling	kW	1.2	1.7
Sound pressure / Power level	Heating	dBA	19 / 35	29 / 45
	Cooling	dBA	19 / 35	29 / 45
Weight		kg	15	
Power supply			1 ~ / 230V / 50Hz	

Nominal Capacity based on the following conditions:
Heating: Indoor Temp. 20°CDB; Entering Water Temp. 45°C, Water Temperature Drop 5°C
Cooling: Indoor Temp. 27°CDB; Entering Water Temp. 7°C, Water Temperature Rise 5°C

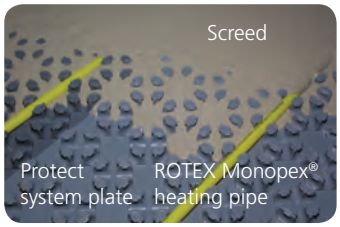
To be ordered in conjunction with 2 way valve EKVKHPC.
Please speak with internal sales at time of order for stock availability.
Please note, that EKVHPC (2-way valve) needs to be ordered on each convector as a separate item.


°C



Underfloor heating

For even greater efficiency



The underfloor heating system is designed to work perfectly with the Daikin heating range.

ROTEX Underfloor Heating comfortably fulfils all of the modern day heating system requirements.

System components

ROTEX Monopex® exists as the product of three separate components:

- Heating pipe is made of crosslinked polyethylene, which is corrosion-free and is a sustainable material.
- Heating pipe: thick walled PE-X pipe with an oxygen tight barrier.
  Also available with an aluminium coating
- Duo pipe: similar to Monopex® pipe but with an additional layer of highly flexible PE ribbed pipe
- System plates with edge insulation strips, available in two variants:
  - The standard system plates are made out of Polystyrene
  - The Protect system plates are made of two separate layers. A PE layer on top of a protect plate
- Manifold and electronic individual room controls.

System benefits

- Comfort: The high heat radiation level, the low surface temperature and the large heating area provide for an extremely comfortable room climate
- Energy Saving: With ROTEX Monopex® all popular heat source providers can be used, also in particular modern developments such as condensing boilers, heat pumps, or solar systems
- Simple Installation: easy to lay and allows optimal versatility of design in individual rooms
- Easy and variable room temperature control
- Exceptional impact and sound insulation properties.

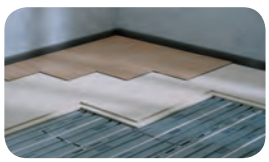
Field of use

ROTEX Monopex® underfloor heating can be used for the heating of most different types of buildings, e.g.

- Single and multiple dwellings
- Offices and hospitals
- Factory and warehouse.

Also available:

Rotex Monopex Secco - The Dry System
This system is an underfloor heating system installed using a dry laying process.



The Rotex System 70
This system offers a choice of heating surface by providing all the radiator connections in addition to the underfloor heating system – all running off a single water cycle.
The maximum flow temperature can be up to 80°C.

UNDERFLOOR HEATING	BASIS-INTEGRAL 33-3	COMPACT 45	MONO 15	PROTECT-INTEGRAL 33-3	PROTECT 10
Dimensions	1200 x 600	1200 x 600	1200 x 600	1220 x 1200	1220 x 1200
Pack qty	14 plates = 10.08 m²	8 plates = 5.76 m²	20 plates = 14.40 m²	7 plates = 10.25 m²	11 plates = 16.10 m²
Insulation thickness [mm]	33-3	45	15	33-3	10
Impact sound insulation	Yes	No	No	Yes	No
Total height with standard screed	94	108	79	94	74
Total height with Estrotherms screed additive	79	93	64	79	59
Pipe spacing	75 / 150 / 225 / 300				
Covering sheet	–	–	–	polystyrol	
Weight per plate	0.7 kg	1.5 kg	0.55 kg	2.8 kg	2.5 kg
Thermal resistance EN1264	0.75 m² K/W	1.28 m² K/W	0.43 m² K/W	0.75 m² K/W	0.29 m² K/W
Fire proofing DIN 4102	B1			B2	

ROTEX GasSolarUnit

Condensing gas boiler and solar energy combined

ROTEX GasSolarUnit, utilising solar energy, offers a sustainable heating and hot water solution with high energy efficiency condensing boiler.

Structure

- The gas condensing boiler is integrated in a hot water storage tank for an all-in-one, floor standing unit that minimises heat loss and saves space
- The combustion chamber is arranged centrally
- The flue gas is directed in a spiral around the burner chamber and then taken away upwards
- The flue gas temperature now always remains below 90°C.

System benefits

Low cost installation

- Completely pre-assembled gas condensation boiler

Minimises heat losses and saves space

- Integrated in a hot water storage tank for an all-in-one, floor standing unit. Compact surface area of just 0.36m². In addition, the excellent heat insulation of the plastic storage tank ensures minimum heat losses

Reduced CO_2 emissions through:

- Modulating condensing technology
- Consistent solar utilisation

Weather compensated system

- Fully electronic digital control system offers weather-dependent control of the feed temperature and storage tank temperature

Optimum hot water hygiene

- The drinking water is heated indirectly in a stainless steel corrugated pipe heat exchanger through the pressureless storage tank water from the hot water tank

Optional solar energy connection for further energy efficiency

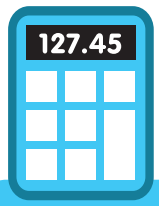
- Glycol-free solar circuit.

GasSolarUnit	Product / Material	GSU 320-e 15 70 28-44	GSU 520 S-e 15 71 11-44	GSU 530 S-e 15 71 22-44	GSU 535-e 15 71 41-44
Total storage capacity	Litres	300	500	500	500
Empty weight	kg	86	124	128	128
Total filled weight	kg	386	624	628	628
Dimensions (L x B x H)	cm	59.5 x 61.5 x 189	79 x 79 x 181	79 x 79 x 181	79 x 79 x 181
Max. permissible storage tank water temperature	°C	85	85	85	85
Drinking water heating					
Drinking water capacity	Litres	19	24.5	24.5	24.5
Maximum operating pressure	bar	6	6	6	6
Drinking water heat exchanger surface	m²	4.1	5.5	5.5	5.5
Storage tank charging heat exchanger					
Surface area charging heat exchanger	m²	2.1	2.3	2.3	4.3
Solar heating support					
Heat exchanger surface area	m²	–	0.43	0.43	–
Thermal output data					
D value (specific water flow to EN 625*)	l/min	23	25	27	39
Max. draw-off rate for a period of 10min at (T_{KW} = 10°C/T_{SP} = 60°C/T_{WW} = 40°C)	l/min	20	21	22	31
Boiler Data					
Nominal output	kW	3.7 - 20.0	3.7 - 20.0	6.5 - 30.0	8.0 - 35.0
Device type		B_{23} / C_{13x} / C_{43x} / C_{53x} / C_{63x} / C_{83x}			
NO_x class		5	5	5	5
Electrical data	V/Hz	230/50	230/50	230/50	230/50
Protection rating	IP	20	20	20	20
Maximum permissible operating pressure	bar	3	3	3	3
Maximum permitted operating temperature	°C	85	85	85	85
Flue gas / air infeed connection diameter	mm	80/125	80/125	80/125	80/125

* The specific water flow as defined in EN 625 is the domestic hot water flow which the GasSolarUnit can supply at an average temperature increase of 30 K with two successive withdrawals of water of ten minutes duration each, assuming a charging temperature of 65 °C. An interval of 20 minutes is normally assumed between the withdrawals. The GasSolarUnit achieves these values even with shorter intervals.

Refrigeration

Daikin offers a wide range of condensing units for medium and low temperature refrigeration applications. **Daikin refrigeration units combine efficiency and reliability with easy installation and maintenance.**



For a copy of our latest Price List please call 0845 6419000

CVP-R410A

The food retailing revolution that saves space and reduces energy consumption

CVP-R410A is a highly innovative and revolutionary system that has been developed by Daikin to address the requirements of a challenging retail environment.

CVP-R410A integrates heating, cooling and medium/high temperature refrigeration in one system.

Heating, cooling and refrigeration in one system?

You are not dreaming. CVP-R410A consists of heating, cooling **AND** medium/high refrigeration units, all combined in a single, compact and integrated system.

Until now, conventional systems for medium/high refrigeration, heating and cooling systems have been separated from one another, requiring space and numerous piping connections.

CVP-R410A totally revolutionises this approach.

It consists of an inverter driven outdoor unit and indoor air conditioning units that can be connected to medium/high temperature refrigeration cabinets and/or unit coolers.

Designed specifically for the convenience store

Energy efficiency
Heat recovery provides up to 23% energy savings in an average year by taking waste heat from the refrigeration system and converting this to comfort heating for free. With the energy savings of up to 27% from the inverter technology the total energy saved can be up to 50% over a one year period compared to a conventional system.

Reduces the carbon footprint
The CVP-R410A heat pump unit is a sustainable energy solution that is both energy efficient and reduces the carbon footprint. Actual savings and reduction in emissions will vary from installation to installation.

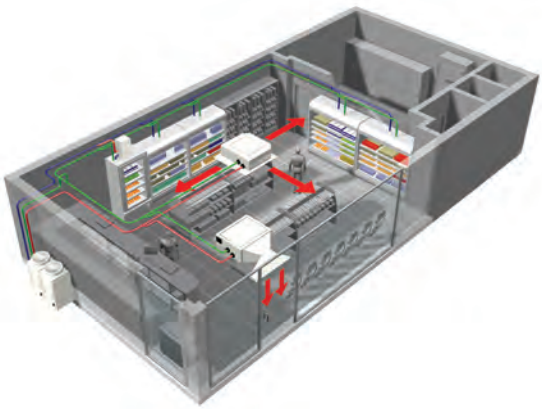
Improved comfort for customer and staff
Integrated heating and cooling means a comfortable environment for the store staff and store customers. A comfortable environment promotes increased spend per shopping basket as well as attracting customers back on a regular basis.

Better use of space
The footprint for the CVP-R410A system is considerably less than for other more traditional refrigeration solutions. The additional space created can be more effectively used for additional retail floor space or additional storage area.

Cost effective solution
Compared to a traditional heating and refrigeration solution, the purchase of CVP-R410A makes good financial sense. There is a desirable payback, from energy savings, lower maintenance and reduced operating cost, on the initial capital investment. Life time costs savings will be significant.

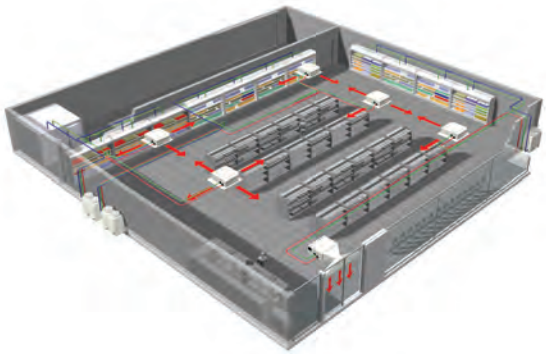
What store size is CVP-R410A suitable for?

CVP-R410A is specifically designed and developed for small to medium-sized stores or petrol stations. Furthermore, the concept is scalable, so can be easily expanded as your facility grows.



Small stores

For small convenience stores and petrol stations, a single CVP-R410A system is all that is required. Compared to conventional systems, a great advantage of CVP-R410A for a small store is the simplified piping required to connect the CVP-R410A outdoor unit to the indoor services. Instead of eight pipes you need just three, as fewer units have to be inter-connected.



Medium-sized stores

For larger applications, multiple outdoor units can be connected to a variety of refrigeration systems and air conditioning units. What's more, the modularity of the CVP-R410A system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet specific requirements of the installation. Additionally, the outdoor units can be located above or below the refrigeration cabinets, inside the building and with long runs if required.

To select multiple systems, use the combined refrigeration and air conditioning loads, as shown in the illustration. Conventional air conditioning or integral refrigeration systems are added where required. This process maximizes the benefits of using CVP-R410A.

Applications

CVP-R410A in high temperature, can be used efficiently in food processing and high temperature preparation rooms where temperatures need to be maintained below 10 and 15°C. High temperature CVP-R410A is also suitable for applications such as wine cellars, bulk vegetable storage and cheese rooms where higher evaporating temperatures are required (-5 to +5°C).

To cater for the freezer requirement, the AC17 will have the option of a bolt on inverter driven low temperature compressor.

What's included in the CVP-R410A system?

The great flexibility of CVP-R410A means you can select exactly the number of systems you require, as well as various indoor unit options to maximise your investment.



Outdoor unit

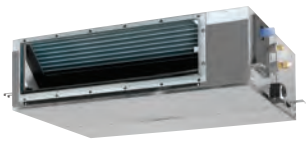
The inverter driven outdoor unit has a smaller footprint than standard systems and requires less piping to connect it to the indoor units.

Low noise during operation
Global average sound level pressure at 10m
- Refrigeration high load: 46 dB(A)
- Refrigeration high load with partial heat recovery: 42 dB(A)
- Night time operation, low refrigeration load : 31 dB(A)

The outdoor unit can even be quieter with the sound setback modes for night operation or sensitive areas.

Energy saving
Using CVP-R410A can reduce annual energy consumption by as much as 50% when compared to conventional systems, by using optimised controls, inverter technology and heat recovery. The controls and inverter provide a baseline efficiency gain of 27% and heat recovery can provide up to 23% further energy saving depending on the outdoor temperature.



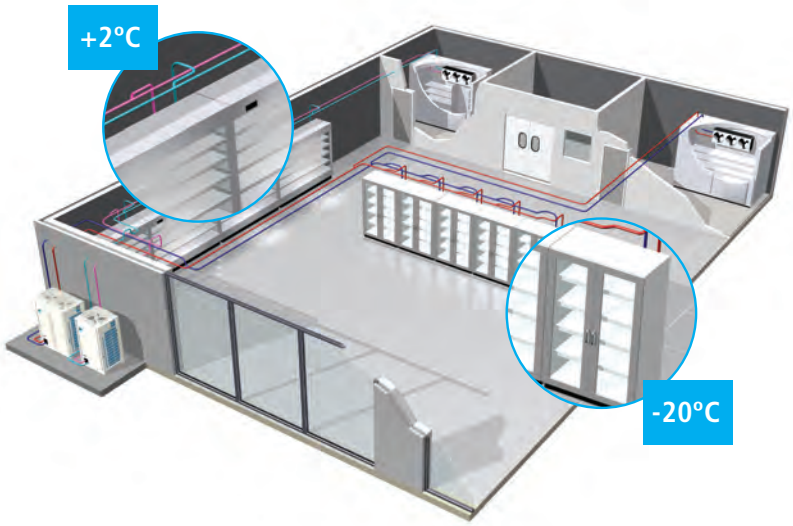


Air conditioning indoor units

- 4-way round flow cassettes are suitable for the majority of applications. The number of outlets can be adjusted between four and two, optimising the distribution and avoiding air currents that would disturb the operation of the refrigeration cabinets.
- Ceiling suspended units can be used where no ceiling cavity is available.
- Concealed ceiling units are available in high or low External Static Pressure (ESP) versions for installation where control over the distribution is required, for example between aisles of refrigeration cabinets.
- Biddle air curtains can be connected as an energy efficient alternative to direct electric air curtains.
- All Daikin air handling units are suitable for connection to CVP-R410A except wall mounted units.

ZEAS

R410A refrigeration



Compact refrigeration condensing units combining performance, low operating costs and low sound levels

Concern for the environment has led to increased demand by the refrigeration industry and food retailers for energy efficiency and environmentally aware solutions. The growing popularity of neighbourhood corner shops and convenience stores has also made noise and size constraints an important factor.

Meeting the demand

To meet this demand, Daikin has developed the ZEAS range, for deep freezing and medium temperature applications: *compact refrigeration condensing units that offer high performance, low operating costs, low sound emissions and renowned Daikin reliability.* The new ZEAS condensing units are the perfect solution for applications with fluctuating loads and high energy efficiency requirements such as supermarkets, blast coolers and freezers, cold storage, restaurants, petrol station shops.

Optimum economy for multiple refrigeration units

The principles behind the technology that revolutionised the comfort cooling industry – Daikin VRV® – have now been applied to refrigeration applications. A single system can supply optimum cooling to multiple refrigeration units, each receiving just the amount of cooling capacity it needs. Inverter control of the scroll compressor maintains high efficiency, even in partial load conditions, resulting in decreased CO_2 emissions, reduced operating costs, and highly efficient and reliable performance in a wide range of applications. A new economiser function allows increased cooling capacity – and hence efficiency – without increasing system size. ZEAS also introduces the use of R410A refrigerant in refrigeration applications: currently the best compromise available for the environment, energy efficiency and equipment cost.

Broad range of applications

ZEAS provides adaptable cooling capacity for multiple evaporators or variable refrigeration loads in ambient temperatures from -15°C to 43°C, with evaporating temperatures from -45°C to +10°C. A range of models in single, double or triple compressor systems (from 5 to 20 HP) are available for freezing and cooling applications. Low sound levels, including "night mode" operation, a compact footprint and easy installation make ZEAS ideal for a range of applications including convenience stores and supermarkets, petrol station forecourts, cold and freezer rooms, and food processing.

Daikin reliability

The renowned Daikin reliability is further increased thanks to the use of advanced scroll compressor technology and high quality components. Each unit is factory tested, and the use of DC motors with inverter control for both the compressor and fans reduces the number of start/stop cycles, resulting in longer system life.

MEDIUM TEMPERATURE

Model (1)				LRMEQ5AY1(E)(4)	LRMEQ6AY1(E)(4)	LRMEQ8AY1(E)(4)	LRMEQ10AY1(E)(4)	LRMEQ12AY1(E)(4)	LRMEQ15AY1(E)(4)	LRMEQ20AY1(E)(4)
Power supply				3 phase / 50Hz / 380-415V						
Capacity (2)			kW	12.2	14.4	18.6	21.8	24.4	32.2	37.0
Range of Suction pressure equivalent saturation temperature				-20 ~ +10						
Range of outdoor temperature				-15 ~ +43						
Dimensions	Height x Width x Depth		mm	1,680 × 635 × 765		1,680 × 930 × 765			1,680 × 1,240 × 765	
Heat exchanger				Cross fin coil						
Compressor	N° of compressors			1	1	2	2	2	3	3
	Type			Hermetically sealed scroll type						
	Swept volume		m^3/h	10.04	13.85	19.68	23.36	25.27	30.00	35.80
	Number of revolutions		r.p.m	4,740	6,540	4.320/ 2.900	6.060/ 2.900	6.960/2.900	5.640/2.900/2.900	6.960/2.900/2.900
	Motor output × number of compressors		kW	2.3	3.2	2.1+3.6	3.0+3.6	3.4+3.6	2.8+3.6+3.6	3.4+3.6+3.6
	Starting method			Direct-on-line(Inverter system)						
Fan	Type			Propeller fan						
	Motor output		kW	0.35×1		0.75×1			0.75×2	
	Air flow rate		m^3/min	95	102	171	179	191	230	240
	Drive			Direct drive						
Connecting pipes	Liquid pipe			Ø 9.5 C1220T (Brazing connection)		Ø 9.5 C1220T (Brazing connection)			Ø 12.7 C1220T (Brazing connection)	
	Gas pipe			Ø 19.1 C1220T (Brazing connection)		Ø 25.4 C1220T (Brazing connection)			Ø 31.8 C1220T (Brazing connection)	
Receiver volume			l	5.4		8.1			12.1	
Mass				175		255			355	
Refrigerant		Type		R-410A		R-410A			R-410A	
		Charge volume	kg	5.2		7.9			11.5	
Refrigerant oil		Refrigerant oil name		DAPHNE FVC68D		DAPHNE FVC68D			DAPHNE FVC68D	
		Charge volume	l	1.7+2.5		1.7+2.1+3.0			1.7+2.1+2.1+4.0	
Sound pressure (3)		at 1m	dBA	55	56	57	59	61	62	63
		at 10m	dBA	34	36	37	39	41	42	43
Unit	Maximum starting current (380V/400V/415V)		A	Inverter start	Inverter start	78 / 74 / 72	79 / 75 / 73	79 / 75 / 73	89 / 84 / 81	89 / 84 / 81
	Nominal running current (380V/400V/415V)		A	7.5 / 7.0 / 6.8	9.4 / 8.9 / 8.6	12.7 / 12.0 / 11.8	15.2 / 14.4 / 14.0	18.1 / 17.2 / 16.7	37.7 / 21.6 / 20.8	27.3 / 25.8 / 25.0

(1) shows the salt damage-proof specification machine.
(2) Rated conditions of the refrigeration equipment : Saturated temperature equivalent to suction pressure : -10°C, Outdoor air: 32°C, Suction SH: 10°C
(3) Measurement place: Front: 1m, Height: 1.5m according to EN13900
(4) (E) Special coating for harsh environmental conditions (option)

LOW TEMPERATURE

Model (1)				LRLEQ5AY1(E)(4)	LRLEQ6AY1(E)(4)	LRLEQ8AY1(E)(4)	LRLEQ10AY1(E)(4)	LRLEQ12AY1(E)(4)	LRLEQ15AY1(E)(4)	LRLEQ20AY1(E)(4)
Power supply				3 phase / 50Hz / 380-415V						
Capacity (2)			kW	5.4	6.3	8.0	9.4	10.3	13.6	15.1
Range of Suction pressure equivalent saturation temperature				-45 ~ -20						
Range of outdoor temperature				-15 ~ +43						
Dimensions	Height x Width x Depth		mm	1,680 × 635 × 765		1,680 × 930 × 765			1,680 × 1,240 × 765	
Heat exchanger				Cross fin coil						
Compressor	N° of compressors			1	1	2	2	2	3	3
	Type			Hermetically sealed scroll type						
	Swept volume		m^3/h	10.04	13.85	19.68	23.36	25.27	30.00	35.80
	Number of revolutions		r.p.m	4,740	6,540	4.320/ 2.900	6.060/ 2.900	6.960/2.900	5.640/2.900/2.900	6.960/2.900/2.900
	Motor output × number of compressors		kW	2.3	3.2	2.1+3.6	3.0+3.6	3.4+3.6	2.8+3.6+3.6	3.4+3.6+3.6
	Stating method			Direct-on-line(Inverter system)						
Fan	Type			Propeller fan						
	Motor output		kW	0.35×1		0.75×1			0.75×2	
	Air flow rate		m^3/min	95	102	171	179	191	230	240
	Drive			Direct drive		Direct drive			Direct drive	
Connecting pipes	Liquid pipe			Ø 9.5 C1220T (Brazing connection)		Ø 9.5 C1220T (Brazing connection)			Ø 12.7 C1220T (Brazing connection)	
	Gas pipe			Ø 19.1 C1220T (Brazing connection)		Ø 25.4 C1220T (Brazing connection)			Ø 31.8 C1220T (Brazing connection)	
Receiver volume			l	5.4		8.1			12.1	
Mass				175		255			355	
Refrigerant		Type		R410A						
		Charge volume	kg	5.2		7.9			11.5	
Refrigerant oil		Refrigerant oil name		DAPHNE FVC68D						
		Charge volume	l	1.7+2.5		1.7+2.1+3.0			1.7+2.1+2.1+4.0	
Sound pressure (3)		at 1m	dBA	55	56	57	59	61	62	63
		at 10m	dBA	34	36	37	39	41	42	43
Unit	Maximum starting current (380V/400V/415V)		A	-	-	78 / 74 / 72	79 / 75 / 73	79 / 75 / 73	89 / 84 / 81	89 / 84 / 81
	Nominal running current (380V/400V/415V)		A	6.7 / 6.4 / 6.2	8.4 / 8.0 / 7.7	11.3 / 10.7 / 10.4	14.0 / 13.3 / 12.9	14.7 / 14.0 / 13.6	19.7 / 18.6 / 17.9	21.5 / 20.4 / 19.6

(1) shows the salt damage-proof specification machine.
(2) Rated conditions of the refrigeration equipment : Saturated temperature equivalent to suction pressure : -35°C, Outdoor air: 32°C, Suction SH: 10°C
(3) Measurement place: Front: 1m, Height: 1.5m according to EN13900
(4) (E) Special coating for harsh environmental conditions (option)

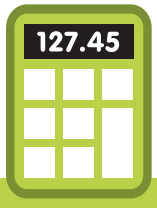
Residential & commercial – pair systems

Daikin air conditioning units are easy to install, easy to use, ultra reliable, quiet running and come in an elegant and up to date range of wall, floor and ceiling mounted indoor models.

The incorporation of inverter control enables Daikin to bring air conditioning technology of the future to the residential & commercial market today.

Seasonal inverter and Comfort inverter ranges are designed for use in shops, restaurants and small offices. Whereas the Seasonal Inverter focuses on extremely high quality performance and top class energy savings, the Comfort inverter emphasises compact design and maximum comfort.

Both residential and commercial ranges are suitable for re-use of existing R22 & R407C pipework.



For a copy of our latest Price List please call **0845 6419000**

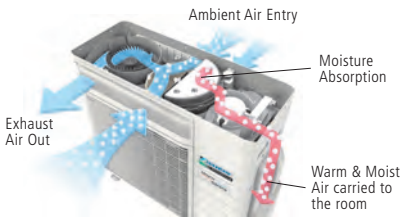
Ururu Sarara

FTXR-E / RXR-E

Ururu Sarara

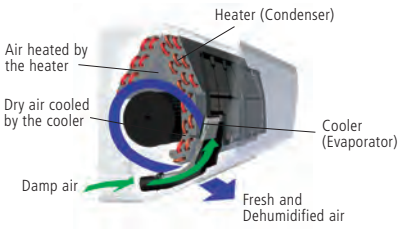
Good Design Award

flash streamer
ONLY BY DAIKIN



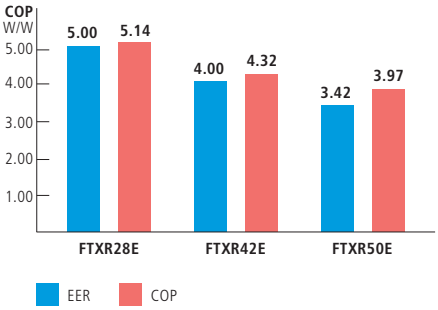
URURU humidification: pleasant, even during heating

The Ururu humidification system absorbs moisture from the outdoor air and transports it to the indoor unit, quickly and efficiently humidifying the room. This eliminates the need for a separate water supply. Thanks to the perfect combination of humidification and air conditioning, your room heats evenly.



SARARA dehumidification: no drop in temperature, feel the difference

During the summer, a high degree of ambient air humidity, even at moderate temperatures, can make a room feel hot and stuffy. The Sarara dehumidification system reduces indoor humidity without affecting the room temperature, by mixing cool dry air with warm air.

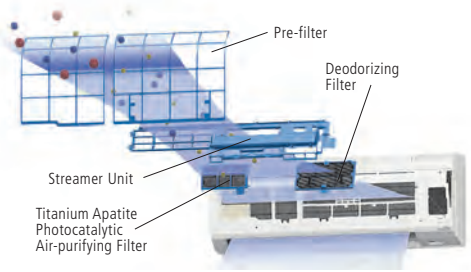


Superb energy efficiency: energy labels at the top level

Daikin has further improved the energy efficiency. At the same time it has realised substantial energy savings compared to conventional models by achieving an industrial top class EER of 5.00 and COP of 5.14

Ventilation: fresh air, even with closed windows

Unlike the conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the first residential air conditioning system that can fill a room of more than 26 m² with fresh air in less than two hours. Furthermore, the temperature of the incoming air is brought to the desired level without heat loss. Another benefit is that the air supply fan is accommodated in the outdoor unit, which means that you will never be bothered by any fan noises.



Air purification: non-stop purified and allergy-free air

The Ururu Sarara purifies the incoming air in two stages: first in the outdoor unit and then in the indoor unit. Exhaust gases and unpleasant odours are broken down and removed by the outdoor unit before the air streams into the indoor unit. In the indoor unit, the air will then be purified through dust and pollen filtration and the photocatalytic air purification filter will further break down odours such as cigarette smoke and cooking odours. In the last stage, a new Daikin technology called Flash Streamer gives the air a final treatment: it accelerates the Photocatalysis process removing bacteria and viruses in less time. It also breaks down any possible remnants of allergens, like formaldehyde and moulds.

FTXR-E / RXR-E

Wall mounted unit

ARC 447A

FTXR-E

RXR-E

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.

- **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
- **Energy efficient:** full range A class labels (EER = 5.00/COP = 5.14)
- **Powerful ventilation:** refreshes the room within 2 hours
- **Powerful air purification:** increases indoor air quality with Daikin Flash Streamer technology
- Comfortable air flow
- Stylish design
- Other features: moisturizing operation mode, breeze cooling air flow, comfort sleep operation, mould shock operation

HEAT PUMP				INVERTER		
Indoor Units				**FTXR28E**	**FTXR42E**	**FTXR50E**
Nominal Capacity	Cooling capacity	Minimum	kW	1.55		
		Standard	kW	2.8	4.2	5.0
		Maximum	kW	3.6	4.60	5.50
	Heating capacity	Minimum	kW	1.30		
		Standard	kW	3.6	5.1	6.0
		Maximum	kW	5.00	5.6	6.20
Annual energy consumption			kWh	280	525	730
EER / COP	Cooling / Heating			5.00 / 5.14	4.00 / 4.32	3.42 / 3.97
Energy Label	cooling / heating			A / A		
Dimensions	(Height x Width x Depth)		mm	305x890x209		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m³/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	H/M/L/SL	m³/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	Cooling	Medium	dBA	55	58	60
	Heating	Medium	dBA	57	58	60
Sound Pressure	Cooling	H/M/L/SL	dBA	39 / 33 / 26 / 23	42 / 35 / 27 / 24	44 / 37 / 29 / 26
	Heating	H/M/L/SL	dBA	41 / 35 / 28 / 25	42 / 36 / 29 / 26	44 / 38 / 31 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

Outdoor Unit				**RXR28E**	**RXR42E**	**RXR50E**
Dimensions	(Height x Width x Depth)		mm	693x795x285		
Weight			kg	48		
Sound pressure level	Cooling	H/L	dBA	46	48	48
	Heating	H/L	dBA	46	48	50
Sound power level	Cooling	H	dBA	60	62	62
Operation Range	Cooling	Min~Max	°CDB	-10~43		
	Heating	Min~Max	°CWB	-20~18		
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18		
Piping Length (Maximum)			m	10		

Daikin Emura

FTXG-J / RXG-K

Sleek design

Available in two different colours – matt crystal white or sandblasted aluminium – Daikin Emura is a new high inverter heat pump, wall mounted unit, that blends iconic design to engineering excellence. Its ultra thin profile and elegant finish can complement any stylish interior. The sleek appearance adds an additional dimension to Daikin's well-known brand values of superior comfort, quality and reliability.

Weekly timer

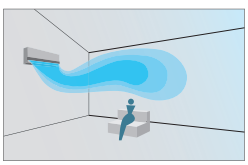
Allows programming of the unit on a weekly basis, with the ability to schedule different settings for each day of the week.

Large handset display

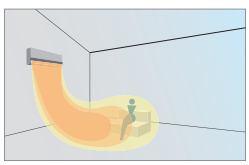
A large display provides an overview of the unit's operation mode, and user friendly buttons give you easy access to Daikin Emura's built-in intelligence. The design of the handset received just as much care and attention in order to match it perfectly to the unit. As with the main unit design, much of the functionality of the handset is concealed by a sleek exterior in white, to complement the look of Daikin Emura.

The operation mode can be easily identified by the LED at the bottom of the unit.

- **Red** – heating mode
- **Blue** – cooling mode
- **Green** – dehumidifying
- **Orange** – timer mode.



Cooling mode



Heating mode

Comfort mode

Guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room.

product design award 2010

reddot design award honourable mention 2010

FTXG-J / RXG-K

Wall mounted unit

ARC466A1

FTXG-J-S

FTXG-J-W

RXG-K

The Latest in Design Excellence.

Designed in Europe for European climates, **Daikin Emura** creates the optimum comfort zone all year round. It represents a perfect marriage of style and substance, of form and function, of intelligent heating and efficient cooling.

- Energy efficiency
- Movement sensor saves power consumption in unoccupied rooms
- **Comfort mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room
- The new titanium apatite photocatalytic air purification filter increases the active surface area for effective purification and deodorisation
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- Indoor / outdoor unit low noise operation
- Connection to multi outdoor possible
- **Weekly timer:** allows programming of the unit on a weekly basis, with the ability to schedule different settings for each day of the week
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER					
Indoor Units				**FTXG25JW**	**FTXG25JS**	**FTXG35JW**	**FTXG35JS**	**FTXG50JW**	**FTXG50JS**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3		1.4		1.4	
		Standard	kW	2.5		3.5		5.0	
		Maximum	kW	3.0		3.8		5.3	
	Heating capacity	Minimum	kW	1.3		1.4		1.4	
		Standard	kW	3.4		4.0		5.8	
		Maximum	kW	4.5		5.0		6.5	
Annual energy consumption			kWh	280		445		780	
EER / COP	Cooling / Heating			4.46 / 4.36		3.93 / 4.04		3.21 / 3.63	
Energy Label	Cooling / Heating			A / A					
Casing	Colour			Matt Crystal White	Brushed Aluminium	Matt Crystal White	Brushed Aluminium	Matt Crystal White	Brushed Aluminium
Dimensions	(Height x Width x Depth)		mm	295x915x155					
Weight			kg	11					
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.8 / 6.8 / 4.7 / 3.8		10.1 / 7.3 / 4.6 / 3.9		10.5 / 8.7 / 6.9 / 5.9	
	Heating	H/M/L/SL	m³/min	9.6 / 7.9 / 6.2 / 5.4		10.8 / 8.6 / 6.4 / 5.6		11.4 / 9.8 / 8.1 / 7.1	
Sound Power	Cooling	High	dBA	54.0		58.0		60	
	Heating	High	dBA	55.0		58.0		60	
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0		42.0 / 34.0 / 26.0 / 23.0		45.0 / 40.0 / 35.0 / 32.0	
	Heating	H/M/L/SL	dBA	39.0 / 34.0 / 28.0 / 25.0		42.0 / 36.0 / 29.0 / 26.0		45.0 / 40.0 / 35.0 / 32.0	
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					

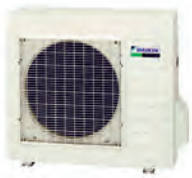
Outdoor Unit				**RXG25K**	**RXG35K**	**RXG50K**
Dimensions	(Height x Width x Depth)		mm	550x765x285		735x825x300
Weight			kg	34		48
Sound pressure level	Cooling	H	dBA	46	48	
	Heating	H	dBA	47	48	
Sound power level	Cooling	H	dBA	61	63	62
Operation Range	Cooling	Min~Max	°CDB	-10.0~46.0		
	Heating	Min~Max	°CWB	-15~18		
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18.0		6.35 / 12.7 / 18.0
Piping Length (Maximum)			m	20		30
Max Installation Height Difference			m	15		20

FTXS-J/G / RKS-J/F

Wall mounted unit

ARC452A3 | FTXS20-50J | FTXS60-71G

RKS 20-42 J



RKS60F

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Unified fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fan coil is connected to a Heat Pump or Cooling Only system
- **2-area intelligent eye:** air flow is sent to a zone other than where the person is located at that moment. If two people are detected in the room, the air flow is projected away from the occupants. If no people are detected, the unit will automatically switch over to the energy-efficient setting
- **Wireless remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 different actions per day possible
- **Comfort mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Energy saving during operation standby:** current consumption is reduced by about 80% when operating on standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode
- **3D air flow:** combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- **ECONO mode:** decreases power consumption so that other appliances that need large power supply can be used
- **Indoor / outdoor unit silent operation:** 'silent' buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dBA
- **Titanium apatite photocatalytic air purification filter:** absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Connection to **multi** outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

COOLING ONLY				INVERTER					
Indoor Units				**FTXS25J**	**FTXS35J**	**FTXS42J**	**FTXS50J**	**FTKS60G**	**FTKS71G**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.7			2.3
		Standard	kW	2.5	3.5	4.2	5.0	6.0	7.1
		Maximum	kW	3.2	4.0	5.0	5.3	6.7	8.5
EER	Nominal			4.63	4.07	3.47	3.42	3.02	
Annual energy consumption			kWh	270	430	605	730	995	1175
Energy Label	cooling			A				B	
Dimensions	(Height x Width x Depth)		mm	295x800x215				290x1050x238	
Weight			kg	9.0	10			12	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	10.8 / 7.9 / 5.2 / 3.7	11.4 / 8.7 / 5.8 / 4.4	11.3 / 9.0 / 6.8 / 5.9	11.6 / 9.2 / 7.0 / 6.0	16.2 / 13.6 / 11.4 / 10.2	17.2 / 14.5 / 11.5 / 10.5
Sound Power	Cooling	High	dBA	54	58		59	61	62
Sound Pressure	Cooling	H/L/SL	dBA	41 / 25 / 22	45 / 29 / 23	45 / 33 / 30	46 / 34 / 31	45 / 41 / 36 / 33	46 / 42 / 37 / 34
Refrigerant			Type	R-410A					
Power Supply				1~/220-230-240V/50Hz				1~/220-240V/50Hz	
Controller				ARC452A3					

Outdoor Unit				**RKS25J**	**RKS35J**	**RKS42J**	**RKS50J**	**RKS60F**	**RKS71F**
Dimensions	(Height x Width x Depth)		mm	550x765x285			735x825x300	735x825x300	770x900x320
Weight			kg	34		39	48	47	71
Sound pressure level		H / L	dBA	46 / 43	47 / 44	48 / 44		49 / 46	52 / 49
Sound power level		H	dBA	61	63		63	63	66
Operation Range	Cooling	Min~Max	°CDB	-10~46					
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18			6.35 / 12.7 / 18		6.35 / 15.9 / 18
Piping Length (Maximum)			m	20			30		
Max Installation Height Difference			m	15			20		

FTXS-J/G / RXS-J/F

Wall mounted unit

ARC452A3 FTXS60-71G RXS 20-42 J RXS60F

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Unified fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fan coil is connected to a Heat Pump or Cooling Only system
- **2-area intelligent eye:** air flow is sent to a zone other than where the person is located at that moment. If two people are detected in the room, the air flow is projected away from the occupants. If no people are detected, the unit will automatically switch over to the energy-efficient setting
- **Wireless remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 different actions per day possible
- **Comfort mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Energy saving during operation standby:** current consumption is reduced by about 80% when operating on standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode
- **3D air flow:** combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- **ECONO mode:** decreases power consumption so that other appliances that need large power supply can be used
- **Indoor / outdoor unit silent operation:** 'silent' buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dBA
- **Titanium apatite photocatalytic air purification filter:** absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Connection to **multi** outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER						
Indoor Units				**FTXS20J**	**FTXS25J**	**FTXS35J**	**FTXS42J**	**FTXS50J**	**FTXS60G**	**FTXS71G**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3		1.4		1.7		2.3
		Standard	kW	2.0	2.5	3.5	4.2	5.0	6.0	7.1
		Maximum	kW	2.8	3.2	4.0	5.0	5.3	6.7	8.5
	Heating capacity	Minimum	kW	1.3	1.3	1.4		1.7		2.3
		Standard	kW	2.7	3.3	4.0	5.4	5.8	7.0	8.2
		Maximum	kW	4.3	4.7	5.2	6.0	6.5	8.0	10.2
EER / COP	Cooling / Heating			4.44 / 4.43	4.63 / 4.65	4.07 / 4.21	3.47 / 3.72	3.42 / 3.79	3.02 / 3.43	3.02 / 3.22
Annual energy consumption			kWh	225	270	430	605	730	995	1175
Energy Label	cooling / heating			A / A					B / B	B / C
Dimensions	(Height x Width x Depth)		mm	295x800x215					290x1050x250	
Weight			kg	9.0		10			12	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.1	10.8 / 7.9 / 5.2 / 3.7	11.4 / 8.7 / 5.8 / 4.4	11.3 / 9.0 / 6.8 / 5.9	11.6 / 9.2 / 7.0 / 6.0	16.0 / 13.8 / 11.3 / 10.1	17.2 / 14.5 / 11.5 / 10.5
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.6 / 6.2	11.9 / 9.1 / 6.4 / 5.9	12.4 / 9.5 / 6.8 / 6.0	12.2 / 9.7 / 7.3 / 6.4	12.1 / 9.8 / 7.6 / 6.7	17.2 / 14.9 / 17.6 / 11.3	19.5 / 16.7 / 14.2 / 12.6
Sound Power	Cooling	High	dBA	54		58		59	61	62
	Heating	High	dBA	54	55	58		59	60	62
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22	41 / 25 / 22	45 / 29 / 23	45 / 33 / 30	46 / 34 / 31	45 / 36 / 33	46 / 37 / 34
	Heating	H/L/SL	dBA	38 / 28 / 25	42 / 28 / 25	45 / 29 / 26	45 / 33 / 30	47 / 34 / 31	44 / 35 / 32	46 / 37 / 34
Refrigerant			Type	R-410A						
Power Supply				1~/220-230-240V/50Hz					1~/220-240V/50Hz	
Controller				ARC452A3						

Outdoor Unit				RXS20J	RXS25J	RXS35J	RXS42J	RXS50J	RXS60F	RXS71F
Dimensions	(Height x Width x Depth)		mm	550x765x285				735x825x300		770x900x320
Weight			kg	32	34		39	48		71
Sound Pressure level	Cooling	H/L	dBA	46 / 43		48 / 44			49 / 46	52 / 49
	Heating	H/L	dBA	47 / 44		48 / 45			49 / 46	52 / 49
Sound Power	Cooling		dBA	61		63				66
Operation Range	Cooling	Min~Max	°CDB	-10~46						
	Heating	Min~Max	°CWB	-15~18						
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz						
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18				6.35 / 12.7 / 18		6.35 / 15.9 / 18
Piping Length (Maximum)			m	20				30		
Max Installation Height Difference			m	15				20		

FTX-JV/GV / RX-JV/GV

Wall mounted unit

ARC433A87
(Class 20-35)

ARC433B70
(Class 50-71)

FTX20-35JV

FTXS50-71GV

RX-JV

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **ECONO mode:** decreases power consumption so that other appliances that need large power supply can be used
- **Home leave operation (class 50 to 71):** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Energy saving during operation standby:** current consumption is reduced by about 80% when operating on standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode
- **Comfort mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room
- **Indoor unit silent operation:** to lower the operation sound of the indoor unit by 3dBA
- **Titanium apatite photocatalytic air purification filter:** absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Anticorrosion treatment of outdoor heat exchanger fin
- Connection to **multi** outdoor possible (Class 20 to 35)
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER					
Indoor Units				**FTX20JV**	**FTX25JV**	**FTX35JV**	**FTX50GV**	**FTX60GV**	**FTX71GV**
Capacity	Cooling capacity	Minimum	kW	1.3			1.7		2.3
		Standard	kW	2.0	2.5	3.3	5.0	6.0	7.1
		Maximum	kW	2.6	3.0	3.8	6.0	6.7	8.5
	Heating capacity	Minimum	kW	1.3			1.7		2.3
		Standard	kW	2.5	2.8	3.4	5.8	7.0	8.2
		Maximum	kW	3.5	4.0	4.8	7.7	8.0	10.2
EER / COP	Cooling / Heating			3.64 / 4.24	3.42 / 4.06	3.37 / 3.76	3.23 / 3.63	3.02 / 3.43	3.02 / 3.22
Annual energy consumption			kWh	275	365	490	775	995	1,175
Energy Label	cooling / heating			A / A			A / A	B / B	B / C
Dimensions	(Height x Width x Depth)		mm	283x770x198			290x1,050x238		
Weight			kg	7			12		
Air Flow Rate	Cooling	H/M/L/SL	m³/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	16.2	17.4
	Heating	H/M/L/SL	m³/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	17.4	19.7
Sound Power	Cooling	High	dBA	55	56	57	59	61	62
	Heating	High	dBA	55	56	57	58	60	62
Sound Pressure	Cooling	H/M/L/SL	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	H/M/L/SL	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
Refrigerant			Type	R-410A			R-410A		
Power Supply				1~/220-240V/50Hz			1~/220-240V/50Hz		

Outdoor Unit				**RX20JV**	**RX25JV**	**RX35JV**	**RX50GV**	**RX60GV**	**RX71GV**
Dimensions	(Height x Width x Depth)		mm	550x658x275			735x825x300		770x900x320
Weight			kg	28		30	48		71
Operation Range	Cooling	Min~Max	°CDB	10~46			10~46		
	Heating	Min~Max	°CWB	-15~20			-15~20		
Sound Power		Cooling	dBA	60		62	61	63	66
Sound Pressure (High)		Cooling	dBA	46		48	47	49	52
		Heating	dBA	47		48	48	49	52
Refrigerant			Type	R-410A			R-410A		
Power Supply				1~/220-240V/50Hz			1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18			6.35 / 12.7 / 18.0		6.35 / 15.9 / 18.0
Piping Length (Maximum)			m	15			30		
Max Installation Height Difference			m	12			20		

FAQ-B / RZQS-D

Wall mounted unit

BRC1E51A

BRC7E618
BRC7C510

FAQ71B

RZQS71D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Automatic movable louver can be fixed at any desired angle
- All maintenance operations can be carried out from the front of the unit
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER	
Indoor Units				**FAQ71B**	**FAQ100B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0
	Heating capacity	Standard	kW	8.0	11.2
EER / COP	Cooling / Heating			2.91 / 3.21	2.81 / 3.21
Annual energy consumption			kWh	1,220	1,779
Energy Label	cooling / heating			C / C	
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200
Weight			kg	13.0	26.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
	Heating	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
Refrigerant			Type	R-410A	
Power Supply				220-240V/50Hz	
Controller		Wired/Wireless		BRC1E51A (Standard) / BRC7E618 (Optional)	BRC1E51A (Standard) / BRC7C510 (Optional)

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320
Weight			kg	68	103
Operation Range	Cooling	Min~Max	°CDB	-5~46	
	Heating	Min~Max	°CWB	-15~15.5	
Sound Power		Cooling	dBA	65	67
Sound Pressure (Standard)		Cooling	dBA	49	51
		Heating	dBA	51	55
Sound Level (Night quiet)		Sound Pressure	dBA	47	49
Refrigerant			Type	R-410A	
Power Supply				220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	
Piping Length (Maximum)			m	30	50
Max. internunit level difference			m	0.5	
Max Installation Height Difference			m	15	30

FAQ-B / RZQ-D/B9W1

Wall mounted unit

BRC1E51A

BRC7E618
BRC7C510

FAQ71B

RZQ71D

RZQ100D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Automatic movable louver can be fixed at any desired angle
- All maintenance operations can be carried out from the front of the unit
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER		
Indoor Units				**FAQ71B**	**FAQ100B**	
Capacity	Cooling capacity	Standard	kW	7.1	10	
	Heating capacity	Standard	kW	8.0	11.2	
Nominal	EER / COP	Cooling / Heating		3.11 / 3.43	3.04 / 3.49	3.6 / 3.3
	Annual energy consumption		kWh	1141	1645	1390
	Energy Label	Cooling / Heating		B / B		A / C
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200	
Weight			kg	13.0	26.0	
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0	
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0	
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0	
	Heating	High/Low	dBA	59.0 / 53.0	61.0 / 57.0	
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0	
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller		Wired/Wireless		BRC1E51A (Standard) / BRC7E618 (Optional)	BRC1E51A (Standard) / BRC7C510 (Optional)	

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320	
Weight			kg	67	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0		
	Heating	Min~Max	°CWB	-20.0~15.5		
Sound Power		Cooling	dBA	64	65	
Sound Pressure (Standard)		Cooling	dBA	48	50	
		Heating	dBA	50	52	
Sound Level (Night quiet)		Sound Pressure	dBA	43	45	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	50	75	
Max. internunit level difference			m	0.5		
Max Installation Height Difference			m	30		

FLXS-B / RXS-J

Flexi type unit

ARC433A5

FLXS-B

RXS25,35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping
- **Auto-swing function:** ensures efficient air and temperature distribution
- **Indoor / outdoor unit silent operation:** 'silent' buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dBA
- This flexi type unit allows both ceiling suspended and floor level installation
- Low height enables it to fit beneath a window
- Air purification filter
- Connection to multi outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FLXS25B**	**FLXS35B**	**FLXS50B**
Capacity	Cooling capacity	Minimum	kW	1.2	1.2	0.9
		Standard	kW	2.5	3.5	4.9
		Maximum	kW	3.0	3.8	5.3
	Heating capacity	Minimum	kW	1.2	1.2	0.9
		Standard	kW	3.4	4.0	6.1
		Maximum	kW	4.5	5.0	7.5
EER / COP	Cooling / Heating			3.85 / 3.47	3.10 / 3.25	2.85 / 3.35
Annual energy consumption			kWh	325	565	860
Energy Label	cooling / heating			A / B	B / C	C / C
Dimensions	(Height x Width x Depth)		mm	490x1050x200	490x1050x200	490x1050x200
Weight			kg	16.0	16.0	17.0
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6
	Heating	H/M/L/SL	m^3/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8
Sound Power	Cooling	High	dBA	53.0	54.0	63.0
	Heating	High	dBA	-	-	62.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz

Outdoor Unit				**RXS25J**	**RXS35J**	**RXS50J**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	63
Sound Pressure (Low)		Cooling	dBA	43	44	44
		Heating	dBA	44	45	45
Sound Pressure (High)		Cooling	dBA	46	48	48
		Heating	dBA	47	48	48
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18	6.35/9.52/18	6.35/12.7/18
Piping Length (Maximum)			m	20	20	30
Max Installation Height Difference			m	15	15	20

Daikin Nexura

FVXG-K / RXG-K

The best of two worlds

Quiet and discrete, NEXURA offers the best in heating and cooling, in comfort and design. When in heating mode, its unique aluminium front panel has the capability of warming up and radiating additional heat, just like a traditional radiator. This exclusive feature can be activated by pushing the 'radiant' button on the easy-to-use remote control.

Total comfort

Thanks to the unit's reduced air flow, the warm or cool air simply envelopes you, creating a feeling of relaxation and comfort. The built-in air purification filter ensures a pure and healthy indoor climate.
Moreover, the air is distributed at the sound of a whisper. The noise produced amounts to barely 22dBA in cooling and 19dBA in radiant heat mode.

Eco-friendly technology

NEXURA uses a renewable energy source: air. This makes it more energy efficient than fossil fuel based heating. By reducing CO_2 emissions, Daikin heat pumps contribute to preserving our environment.
Inverter technology also varies the heat pump's compressor speed – the engine of the unit – to use only the amount of energy needed to heat or cool a room.

Flexible control

The indoor unit is easy to control with the infrared remote control supplied as standard. It comes equipped with a weekly timer allowing you to programme a seven-day schedule with four different actions per day.

Fits any interior

Whether built-in, wall-mounted or standing on a leg, NEXURA is discreet and fits into any type of interior. NEXURA can be used in a single-room set-up, with one indoor unit connected to one outdoor unit, or in a multiple room application with a maximum of nine indoor units connected to one outdoor unit.

FVXG-K / RXG-K

Floor standing unit with radiant heat panel

ARC4662A

FVXG-K

RXG25, 35K

NEXURA offers the best in heating and cooling, in comfort and design.

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Radiant panel:** NEXURA provides you year-round comfort at the touch of a button. This new stylish unit possesses a unique feature: a front panel that heats up like conventional radiator and softly releases additional warm air into the room for extra comfort
- **Energy efficient units:** full range A class energy labels
- **Wireless remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 actions per day possible
- **Titanium apatite photocatalytic air purification filter** absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- **ECONO mode** decreases power consumption so that other appliances that need large power supply can be used
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Extremely quiet in operation:** down to 19dBA sound pressure level
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping
- **Vertical auto swing system** automatically makes the louvers move up and down, creating an even distribution of air through the room to ensure a harmonized temperature
- **Flexible Installation:** can be installed against a wall or recessed. Ideal for installation beneath a window Connection to multi outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FVXG25K**	**FVXG35K**	**FVXG50K**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	2.5	3.5	5.0
		Maximum	kW	3.0	3.8	5.6
	Heating capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	3.4	4.5	5.8
		Maximum	kW	4.5	5.0	8.1
EER / COP	Cooling / Heating			4.55 / 4.36	3.68 / 3.72	3.29 / 3.67
Annual energy consumption			kWh	275	475	760
Energy Label	cooling / heating			A / A	A / A	A / A
Dimensions	(Height x Width x Depth)		mm	600x950x215		
Weight			kg	14	14	14
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	55	56	58
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL/Radiant	dBA	39 / 32 / 26 / 22 / 19	40 / 33 / 27 / 23 / 19	46 / 40 / 34 / 30 / 26
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

Outdoor Unit				**RXG25K**	**RXG35K**	**RXG50K**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	10~46	10~46	10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	62
Sound Pressure (Low)		Cooling	dBA	43	44	44
		Heating	dBA	44	45	45
Sound Pressure (High)		Cooling	dBA	46	48	48
		Heating	dBA	47	48	48
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18		6.35/12.7/18
Piping Length (Maximum)			m	20		30
Max Installation Height Difference			m	15		20

FVXS-F / RXS-J

Floor standing unit

ARC452A1

FVXS-F

RXS25,35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Wireless remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 actions per day possible
- **ECONO mode:** decreases power consumption so that other appliances that need large power supply can be used
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level

- **Titanium apatite photocatalytic air purification filter:** absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Can be installed against a wall or recessed
- Dual air discharge flow for better air distribution
- Lightweight but sturdy design
- Connection to multi outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FVXS25F**	**FVXS35F**	**FVXS50F**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	2.5	3.5	5.0
		Maximum	kW	3.0	3.8	5.6
	Heating capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	3.4	4.5	5.8
		Maximum	kW	4.5	5.0	8.1
EER / COP	Cooling / Heating			4.39 / 4.30	3.43 / 3.69	3.23 / 3.63
Annual energy consumption			kWh	285	510	775
Energy Label	Cooling / Heating			A / A	A / A	A / A
Dimensions	(Height x Width x Depth)		mm	600x700x215	600x700x210	600x700x210
Weight			kg	14	14	14
Air Flow Rate	Cooling	H/M/L/SL	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	H/M/L/SL	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	Cooling	High	dBA	54	55	56
	Heating	High	dBA	55	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller				ARC452A1		

Outdoor Unit				RXS25J	RXS35J	RXS50J
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	63
Sound Pressure (Low)		Cooling	dBA	43	44	44
		Heating	dBA	44	45	45
Sound Pressure (High)		Cooling	dBA	46	48	48
		Heating	dBA	47	48	48
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18		6.35/12.7/18
Piping Length (Maximum)			m	20		30
Max Installation Height Difference			m	15		20

FVQ-B / RZQS-D

Floor standing unit

FVQ-B

RZQS100, 125D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- Ideal solution for areas without false ceilings, or with limited floor/wall space
- Very efficient for use in rooms with high ceilings
- Quiet operation: down to 35 dBA sound pressure level (71 class)
- Auto-swing function ensures efficient air and temperature distribution
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER		
Indoor Units				**FVQ71B**	**FVQ100B**	**FVQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
EER / COP	Cooling / Heating			2.81 | 3.21	2.81 | 3.21	2.81 | 3.21
Annual energy consumption			kWh	1265	1779	2225
Energy Label	cooling / heating			C / C		
Dimensions	(Height x Width x Depth)		mm	1850x600x270	1850x600x350	1850x600x350
Weight			kg	39	46	47
Sound Power	Cooling	High/Low	dBA	54 / 48	60 / 54	62 / 56
	Heating	High/Low	dBA	54 / 48	60 / 54	62 / 56
Sound Pressure	Cooling	High/Low	dBA	42 / 36	48 / 42	50 / 44
	Heating	High/Low	dBA	42 / 36	48 / 42	50 / 44
Refrigerant			Type	R-410A		
Power Supply				220-240V/50Hz		
Controller				BRC1C61		

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	
Weight			kg	68	103	
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-15~15.5		
Sound Power		Cooling	dBA	65	67	
Sound Pressure (Standard)		Cooling	dBA	49	51	
		Heating	dBA	51	55	53
Sound Level (Night quiet)		Sound Pressure	dBA	47	49	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	30	50	
Max. internunit level difference			m	0.5		
Max installation height difference			m	15	30	

FVQ-B / RZQ-D/B9W1

Floor standing unit

FVQ-B

RZQ100, 125D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- Ideal solution for areas without false ceilings, or with limited floor/wall space
- Very efficient for use in rooms with high ceilings
- Quiet operation: down to 35 dBA sound pressure level (71 class)
- Auto-swing function ensures efficient air and temperature distribution
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER		
Indoor Units				**FVQ71B**	**FVQ100B**	**FVQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
Nominal	EER / COP	Cooling / Heating		TBC		
	Annual energy consumption		kWh	TBC		
	Energy Label	Cooling / Heating		TBC		
Dimensions	(Height x Width x Depth)		mm	1850x600x270	1850x600x350	1850x600x350
Weight			kg	39	46	47
Sound Power	Cooling	High/Low	dBA	54 / 48	60 / 54	62 / 56
	Heating	High/Low	dBA	54 / 48	60 / 54	62 / 56
Sound Pressure	Cooling	High/Low	dBA	42 / 36	48 / 42	50 / 44
	Heating	High/Low	dBA	42 / 36	48 / 42	50 / 44
Refrigerant			Type	R-410A		
Power Supply				220-240V/50Hz		
Controller				BRC1C61		

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)
	Heating		dBA	50	52	52	53	52
Sound power level	Cooling		dBA	64	65		67	66
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. interunit level difference			m	0.5				
Max Installation Height Difference			m	30				

FDXS-E/C / RXS-J/F

Slim concealed ceiling unit

ARC433A7

FDXS25, 35E

RXS25, 35J

RXS60F

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting
- **Compact dimensions:** can easily be mounted in a ceiling void due to 200mm height
- **Outdoor unit quiet operation:** "quiet" buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dBA
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- Rear return or bare return air possible
- Optional discharge air flangers available
- Standard suction filter
- Connection to multi outdoor possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

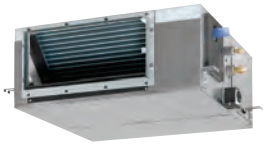
HEAT PUMP				INVERTER			
Indoor Units				**FDXS25E**	**FDXS35E**	**FDXS50C**	**FDXS60C**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.7	1.7
		Standard	kW	2.4	3.4	5.0	6.0
		Maximum	kW	3.0	3.8	5.3	6.5
	Heating capacity	Minimum	kW	1.3	1.4	1.7	1.7
		Standard	kW	3.2	4.0	5.8	7.0
		Maximum	kW	4.5	5.0	6.0	8.0
EER / COP	Cooling / Heating			3.48 / 3.52	3.12 / 3.39	3.03 / 3.02	2.82 / 3.02
Annual energy consumption			kWh	345	545	825	1065
Energy Label	cooling / heating			A / B	B / C	B / D	C / D
Dimensions	(Height x Width x Depth)		mm	200x700x620	200x700x620	200x900x620	200x1100x620
Weight			kg	21.0	21.0	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	8.7 / 8.0 / 7.3 / 6.2	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	8.7 / 8.0 / 7.3 / 6.2	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	53.0	53.0	55.0	56.0
	Heating	High	dBA	53.0	53.0	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	35.0 / 33.0 / 31.0 / 29.0	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	35.0 / 33.0 / 31.0 / 29.0	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
External Static Pressure		High	Pa	30		40	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	220-240/220-230V/50/60Hz
Controller				ARC433A7			

Outdoor Unit				**RXS25J**	**RXS35J**	**RXS50J**	**RXS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	63	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
		Heating	dBA	44	45	45	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
		Heating	dBA	47	48	48	49
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18		6.35 / 12.7 / 18	
Piping Length (Maximum)			m	20		30	
Max Installation Height Difference			m	15		20	

FBQ-C / RXS-J/F

Concealed ceiling unit

BRC1E51A



FBQ35, 50C

RXS35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- Reduction in power consumption thanks to **DC inverter fans**
- Improved comfort thanks to **3-step air flow control**
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FBQ35C**	**FBQ50C**	**FBQ60C**
Capacity	Cooling capacity	Standard	kW	3.40	5.0	5.7
	Heating capacity	Standard	kW	4.0	6.0	7.0
EER / COP	Cooling / Heating			3.22 / 3.42	3.21 / 3.41	3.21 / 3.41
Annual energy consumption			kWh	528	776	888
Energy Label	cooling / heating			A / B		
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25		34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11		18 / 15
	Heating	High/Low	m³/min	16 / 11		18 / 15
Sound Power	Cooling	High	dBA	63		57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		
	Heating	High/Low	dBA	37 / 29		
External Static Pressure		High/Medium/Low	Pa	70 / 30 / 30	100 / 30 / 30	
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		
Decoration Panel	Model			BYBS45D		BYBS71D
	Colour			White		
	HxWxD		mm	55x800x500		55x1100x500
	Weight		kg	3.5		4.5
Controller		Wired		BRC1E51A		

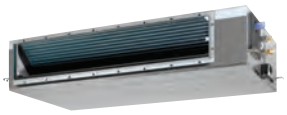
Outdoor Unit				RXS35J	RXS50J	RXS60F
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	63	63	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A		
Power Supply				1~(*)/220-240V/50Hz	1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7	
Piping Length (Maximum)			m	20	30	
Max Installation Height Difference			m	15	20	

(*) A separate 1ph 5 amp power supply to the indoor unit is required.

FBQ-C / RZQS-D

Concealed ceiling unit

BRC1E51A



FBQ100,125,140C

RZQS100,125,140D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- Reduction in power consumption thanks to **DC inverter fans**
- Improved comfort thanks to **3-step air flow control**
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

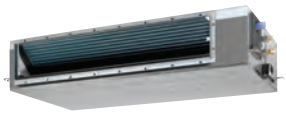
HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FBQ71C**	**FBQ100C**	**FBQ125C**	**FBQ140C**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	13.4
	Heating capacity	Standard	kW	8.0	11.2	14.0	15.0
EER / COP	Cooling / Heating			3.26 / 3.55	3.3 / 3.65	3.14 / 3.41	2.81 / 3.21
Annual energy consumption			kWh	1,089	1,515	1,990	2,384
Energy Label	cooling / heating			A / B	A / A	B / B	C / C
Dimensions	(Height x Width x Depth)		mm	300x1000x700	300x1400x700		
Weight			kg	34	45		
Air Flow Rate	Cooling	High/Low	m³/min	18 / 15	32 / 23	33 / 28	
	Heating	High/Low	m³/min	18 / 15	32 / 23	39 / 28	41 / 29
Sound Power	Cooling	High	dBA	57	61	66	
Sound Pressure	Cooling	High/Low	dBA	37 / 29	38 / 32	40 / 33	
	Heating	High/Low	dBA	37 / 29	38 / 32	40 / 33	41 / 34
External Static Pressure		High/Medium/Low	Pa	100 / 30 / 30	120 / 40 / 40	120 / 50 / 50	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Decoration Panel	Model			BYBS71DJW1	BYBS125DJW1		
	Colour			White			
	HxWxD		mm	55x1100x500	55x1500x500		
	Weight		kg	4.5	6.5		
Controller		Wired		BRC1E51A			

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**	**RZQS140DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. interunit level difference			m	0.5			
Max Installation Height Difference			m	15	30		

FBQ-C / RZQ-D/B9W1

Concealed ceiling unit

BRC1E51A



FBQ100,125,140C

RZQ100,125,140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- Reduction in power consumption thanks to **DC inverter fans**
- Improved comfort thanks to **3-step air flow control**
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa
- Optional discharge and suction duct flanger available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER						
Indoor Units				**FBQ71C**	**FBQ100C**		**FBQ125C**		**FBQ140C**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		13.4	
	Heating capacity	Standard	kW	8.0	11.2		14.0		15.5	
Nominal	EER / COP	Cooling / Heating		3.39 / 3.85	3.70 / 4.16	3.50 / 3.73	3.48 / 3.62	3.14 / 3.51	3.01 / 3.41	2.82 / 3.21
	Annual energy consumption		kWh	1047	1351	1430	1796	1990	2226	2380
	Energy Label	Cooling / Heating		A / A			A / A	B / B		C / C
Dimensions	(Height x Width x Depth)		mm	300x1000x700	300x1400x700					
Weight			kg	34	45					
Air Flow Rate	Cooling	High/Low	m³/min	18 / 15	32 / 23		39 / 28			
	Heating	High/Low	m³/min	18 / 15	32 / 23		39 / 28		41 / 29	
Sound Power	Cooling	High	dBA	57	61		66			
Sound Pressure	Cooling	High/Low	dBA	37 / 29	38 / 32		40 / 33			
	Heating	High/Low	dBA	37 / 29	38 / 32		40 / 33		41 / 34	
External Static Pressure		High/Medium/Low	Pa	100 / 30 / 30	120 / 40 / 40		120 / 50 / 50			
Refrigerant			Type	R-410A						
Power Supply				1~/230V/50Hz						
Decoration Panel	Model			BYBS71DJW1	BYBS125DJW1					
	Colour			White						
	HxWxD		mm	55x1100x500	55x1500x500					
	Weight		kg	4.5	6.5					
Controller		Wired		BRC1E51A						

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**	**RZQ140D9V1**	**RZQ140B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

FDQ-B / RZQS-D

Concealed ceiling unit

BRC1E51A

FDQ125B

RZQS125D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected.
- Ideal for use in larger areas
- Maximum external static pressure (ESP) of 150Pa
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER
Indoor Units				**FDQ125B**
Nominal Capacity	Cooling capacity	Standard	kW	12.5
	Heating capacity	Standard	kW	14.0
Annual energy consumption			kWh	2225
EER / COP	Cooling / Heating			2.81 / 3.43
Energy Label	cooling / heating			C / B
Dimensions	(Height x Width x Depth)		mm	350x1400x662
Weight			kg	59.0
Air Flow Rate	Cooling	Medium	m³/min	43.0
	Heating	Medium	m³/min	43.0
Sound Power	Cooling	Medium	dBA	75.0
Sound Pressure	Cooling	High	dBA	44.0
	Heating	Low	dBA	44.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz
Controller		Wired		BRC1E51A

Outdoor Unit				**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	1170x900x320
Weight			kg	103
Sound pressure level	Cooling (Night quiet mode)		dBA	51 (49)
	Heating		dBA	53
Sound power level	Cooling		dBA	67
Operation Range	Cooling	Min~Max	°CDB	-5~46
	Heating	Min~Max	°CWB	-15~15.5
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9 / 26
Piping Length (Maximum)			m	50
Max Installation Height Difference			m	30

FDQ-B / RZQ-D/B9W1

Concealed ceiling unit

BRC1E51A

FDQ-B

RZQS125D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Ideal for use in larger areas
- Maximum external static pressure (ESP) of 150Pa
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting (RZQ125 only)
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER	
Indoor Units				**FDQ125B**	
Nominal Capacity	Cooling capacity	Standard	kW	12.5	
	Heating capacity	Standard	kW	14.0	
Nominal	EER / COP	Cooling / Heating		3.16 / 3.88	3.01 / 3.79
	Annual energy consumption		kWh	1978	
	Energy Label	Cooling / Heating		B / A	
Dimensions	(Height x Width x Depth)		mm	350x1400x662	
Weight			kg	59.0	
Air Flow Rate	Cooling	Medium	m³/min	43.0	
	Heating	Medium	m³/min	43.0	
Sound Power	Cooling	Medium	dBA	75.0	
Sound Pressure	Cooling	High	dBA	44.0	
	Heating	Low	dBA	44.0	
External Static Pressure		High	Pa	150	
Refrigerant			Type	R-410A	
Power Supply				1~/230V/50Hz	
Controller		Wired		BRC1E51A	

Outdoor Unit				RZQ125D9V1	RZQ125B9W1
Dimensions	(Height x Width x Depth)		mm	1345x900x320	
Weight			kg	108	106
Sound pressure (standard)	Cooling		dBA	51	50
	Heating		dBA	53	52
Sound power level	Cooling		dBA	67	66
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0	
	Heating	Min~Max	°CWB	-20.0~15.5	
Refrigerant			Type	R-410A	
Power Supply				(*)1~/220-240V/50Hz	(*)3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9 / 26	
Piping Length (Maximum)			m	75	
Max Installation Height Difference			m	30	

(*) A separate 15 amp power supply to the indoor unit is required.

FDQ-B / RZQ-C

Concealed ceiling unit

BRC1E51A

FDQ-B

RZQ200,250C

- **Super Inverter technology:** reduces the power consumption by up to 70% compared to non inverter units, offering total reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User Access:** different levels of user access can be selected
- Ideal for use in larger areas
- Maximum external static pressure (ESP) of 250Pa
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SUPER INVERTER	
Indoor Units				**FDQ200B**	**FDQ250B**
Nominal Capacity	Cooling capacity	Standard	kW	20.0	24.1
	Heating capacity	Standard	kW	23.0	26.4
EER / COP	Cooling / Heating			3.21 / 3.41	2.81 / 3.21
Annual energy consumption			kWh	3115	4290
Energy Label	cooling / heating			A / B	C / C
Dimensions	(Height x Width x Depth)		mm	450x1400x900	450x1400x900
Weight			kg	93.0	93.0
Air Flow Rate	Cooling	Medium	m³/min	69.0	89.0
	Heating	Medium	m³/min	69.0	89.0
Sound Power	Cooling	Medium	dBA	81.0	82.0
Sound Pressure	Cooling	High	dBA	45.0	47.0
	Heating	Low	dBA	45.0	47.0
External Static Pressure		High	Pa	250	
Refrigerant			Type	R-410A	
Power Supply				1~/230V/50Hz	
Controller		Wired		BRC1E51A	

Outdoor Unit				**RZQ200C**	**RZQ250C**
Dimensions	(Height x Width x Depth)		mm	1680x930x765	1680x930x765
Weight			kg	183	184
Sound pressure (standard)	Cooling		dBA	57	
	Heating		dBA	57	
Sound power level	Cooling		dBA	78	
Operation Range	Cooling	Min~Max	°CDB	-5.0~46.0	
	Heating	Min~Max	°CWB	-15.0~15.0	
Refrigerant			Type	R-410A	
Power Supply				(*)3N~/380-415V/50Hz	
Piping connections	Liquid (OD)/Gas		mm	9.5 / 22,2 / -	12.7 / 22,2 / -
Piping Length (Maximum)			m	100	
Max Installation Height Difference			m	30	

(*) A separate 15 amp power supply to the indoor unit is required.

FFQ-B / RXS-J/F

4-way blow ceiling mounted cassette (600 x 600mm)

BRC1E51A

BRC7E530

FFQ-B

RXS25,35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Modern style decoration panel in white (RAL9010)
- Extremely quiet in operation
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling
- Excellent low draught characteristics
- Easy installation and maintenance
- The switch box can be reached by simply removing the suction grille; therefore maintenance can be done very easily
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER			
Indoor Units				**FFQ25BV**	**FFQ35BV**	**FFQ50BV**	**FFQ60BV**
Capacity	Cooling capacity	Standard	kW	2.5	3.4	4.7	5.8
	Heating capacity	Standard	kW	3.2	4.0	5.5	7.0
EER / COP	Cooling / Heating			3.42 / 3.48	3.09 / 3.33	2.61 / 2.81	2.80 / 2.81
Annual energy consumption			kWh	365	550	900	1035
Energy Label	cooling / heating			A / B	B / C	D / D	D / D
Dimensions	(Height x Width x Depth)		mm	286x575x575	286x575x575	286x575x575	286x575x575
Weight			kg	17.5	17.5	17.5	17.5
Air Flow Rate	Cooling	High/Low	m^3/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m^3/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz
Decoration Panel	Model			BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1
	Colour			White(RAL 9010)	White(RAL 9010)	White(RAL 9010)	White(RAL 9010)
	HxWxD		mm	55x700x700	55x700x700	55x700x700	55x700x700
	Weight		kg	2.7	2.7	2.7	2.7
Controller	Wired/Wireless			BRC1E51A (standard) / BRC7E530 (optional)			

Outdoor Unit				**RXS25J**	**RXS35J**	**RXS50J**	**RXS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	63	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
		Heating	dBA	44	45	45	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
		Heating	dBA	47	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7
Piping Length (Maximum)			m	20	20	30	30
Max Installation Height Difference			m	15	15	20	20

FCQH-D8 / RZQS-D

High efficiency round flow cassette

BRC1E51A

BRC7F532F

FCQH100,125,140D8

RZQS100,125,140D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable **horizontal air discharge** ensures draught free operation and prevents ceiling soiling
- High efficiency
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- 23 different air flow patterns possible
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- **Selfcleaning panel (accessory)** – The round filter in the panel automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance. Energy saving up to 30%
- **Fresh air intake:** standard knockout and optional kit
- D3 Net connection as standard
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FCQH71D8**	**FCQH100D8**	**FCQH125D8**	**FCQH140D8**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.3 / 3.7	3.45 / 3.80	3.22 / 3.69	3.01 / 3.41
Annual energy consumption			kWh	1,076	1449	1940	2326
Energy Label	cooling / heating			A / A			B / B
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840		
Weight			kg	23	25		
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2	34.2 / 23.8
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.3	34.2 / 23.9
Sound Power	Cooling	High	dBA	54	62		
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32	45 / 36	45 / 38
	Heating	High/Low	dBA	36 / 28	45 / 32	45 / 36	45 / 38
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V;220V/50Hz;60Hz			
Decoration Panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]			
	Colour			Pure white (RAL 9010)			
	HxWxD		mm	50x950x950 / 50x950x950 / 130x950x950			
	Weight		kg	5.5 / 5.5 / 11.5			
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7F532F (optional)			

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**	**RZQS140DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. internunit level difference			m	0.5			
Max installation height difference			m	15	30		

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FCQH-D8 / RZQ-D/B9W1

High efficiency round flow cassette

BRC1E51A

BRC7F532F

FCQH100,125,140D8

RZQ100,125,140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable **horizontal air discharge** ensures draught free operation and prevents ceiling soiling
- High efficiency
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost
- **User access:** different levels of user access can be selected
- 23 different air flow patterns possible
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- **Selfcleaning panel (accessory):** The round filter in the panel automatically cleans itself once per day. Energy saving up to 30%
- Fresh air intake: standard knockout and optional kit
- D3 Net connection as standard
- Communications, computer and server room cooling possible with EDP setting
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER						
Indoor Units				**FCQH71D8**	**FCQH100D8**		**FCQH125D8**		**FCQH140D8**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		14.0	
	Heating capacity	Standard	kW	8.0	11.2		14.0		16.0	
Nominal	EER / COP	Cooling / Heating		3.78 / 4.16	4.00 / 4.53	4.10 / 4.38	3.59 / 4.05	3.53 / 3.90	3.21 / 3.73	3.01 / 3.54
	Annual energy consumption		kWh	940	1250	1220	1740	1770	2180	2325
	Energy Label	Cooling / Heating		A / A						B / B
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840					
Weight			kg	23	25					
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6		34.2 / 21.2		34.2 / 23.8	
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6		34.2 / 21.3		34.2 / 23.9	
Sound Power	Cooling	High	dBA	54	62					
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32		45 / 36		45 / 38	
	Heating	High/Low	dBA	36 / 28	45 / 32		45 / 36		45 / 38	
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V;220V/50Hz;60Hz						
Decoration Panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]						
	Colour			Pure white (RAL 9010)						
	HxWxD		mm	50x950x950 / 50x950x950 / 130x950x950						
	Weight		kg	5.5 / 5.5 / 11.5						
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7F532F (optional)						

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**	**RZQ140D9V1**	**RZQ140B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FCQ-C8 / RXS-J/F

Low height round flow cassette

BRC1E51A

BRC7F532F

FCQ-C8

RXS35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable **horizontal air discharge** ensures draught free operation and prevents ceiling soiling
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- 23 different air flow patterns possible
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- **Selfcleaning panel (accessory)** – The round filter in the panel automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance. Energy saving up to 30%
- Reduced installation height: 214mm for class 35-50
- Fresh air intake: standard knockout and optional kit
- D3 Net connection as standard
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FCQ35C8**	**FCQ50C8**	**FCQ60C8**
Capacity	Cooling capacity	Standard	kW	3.4	5.0	5.7
	Heating capacity	Standard	kW	4.2	6.0	7.0
EER / COP	Cooling / Heating			3.58 / 3.41	3.55 / 3.70	3.48 / 3.52
Annual energy consumption			kWh	475	705	820
Energy Label	cooling / heating			A / B	A / A	A / B
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840
Weight			kg	19	19	19
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49	49	51
Sound Pressure	Cooling	High/Low	dBA	31 / 27	31 / 27	33 / 28
	Heating	High/Low	dBA	31 / 27	31 / 27	33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50/60Hz		
Decoration Panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]		
	Colour			Pure white (RAL 9010)		
	HxWxD		mm	50x950x950 / 50x950x950 / 130x950x950		
	Weight		kg	5.5 / 5.5 / 11.5		
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7F532F (optional)		

Outdoor Unit				**RXS35J**	**RXS50J**	**RXS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	63	63	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7	6.35/12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FCQ-C8 / RZQS-D

Low height round flow cassette

BRC1E51A


BRC7F532F


FCQ100-125-140C8


RZQS100,125,140D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable **horizontal air discharge** ensures draught free operation and prevents ceiling soiling
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- 23 different air flow patterns possible
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- **Selfcleaning panel (accessory)** – The round filter in the panel automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance. Energy saving up to 30%
- Reduced installation height: 214mm for class 71
- Fresh air intake: standard knockout and optional kit
- D3 Net connection as standard
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FCQ71C8**	**FCQ100C8**	**FCQ125C8**	**FCQ140C8**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.11 / 3.41	3.11 / 3.41	3.11 / 3.45	2.61 / 3.21
Annual energy consumption			kWh	1,141	1,608	2,010	2,680
Energy Label	cooling / heating			B / B			D / C
Dimensions	(Height x Width x Depth)		mm	204x840x840	246x840x840		
Weight			kg	21	23		
Air Flow Rate	Cooling	High/Low	m³/min	15.5 / 9.0	23.5 / 16.0	27.5 / 19.0	
	Heating	High/Low	m³/min	16.0 / 9.5	23.5 / 16.0	27.5 / 19.0	
Sound Power	Cooling	High	dBA	51	54	58	
Sound Pressure	Cooling	High/Low	dBA	33 / 28	37 / 32	41 / 35	
	Heating	High/Low	dBA	34 / 28	37 / 32	41 / 35	42 / 35
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50;60Hz			
Decoration Panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]			
	Colour			Pure white (RAL 9010)			
	HxWxD		mm	50x950x950 / 50x950x950 / 130x950x950			
	Weight		kg	5.5 / 5.5 / 11.5			
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7F532F (optional)			

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**	**RZQS140DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max Interunit Level Difference			m	0.5			
Max Installation Height Difference			m	15	30		

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FCQ-C8 / RZQ-D/B9W1

Low height round flow cassette

BRC1E51A

BRC7F532F

FCQ100,125,140C8

RZQ100,125,140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable **horizontal air discharge** ensures draught free operation and prevents ceiling soiling
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost
- **User access:** different levels of user access can be selected.
- 23 different air flow patterns possible
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- **Selfcleaning panel (accessory)** – The round filter in the panel automatically cleans itself once per day. Energy saving up to 30%
- Reduced installation height: 214mm for class 71
- Fresh air intake: standard knockout and optional kit
- Communications, computer and server room cooling possible with EDP setting
- D3 Net connection as standard
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER						
Indoor Units				**FCQ71C8**	**FCQ100C8**		**FCQ125C8**		**FCQ140C8**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		14.0	
	Heating capacity	Standard	kW	8.0	11.2		14.0		16.0	
Nominal	EER / COP	Cooling / Heating		3.36 / 3.62	3.79 / 3.78	3.79 / 3.57	3.38 / 3.61	3.22 / 3.21	2.74 / 3.27	2.61 / 2.81
	Annual energy consumption		kWh	1055	1319	1320	1850	1940	2555	2680
	Energy Label	Cooling / Heating		A / A	A / A	A / B	A / B	A / C	D / C	D / D
Dimensions	(Height x Width x Depth)		mm	204x840x840	246x840x840					
Weight			kg	21	23					
Air Flow Rate	Cooling	High/Low	m³/min	15.5 / 9.0	23.5 / 16.0		27.5 / 19.0			
	Heating	High/Low	m³/min	16.0 / 9.5	23.5 / 16.0		27.5 / 19.0			
Sound Power	Cooling	High	dBA	51	54		58			
Sound Pressure	Cooling	High/Low	dBA	33 / 28	37 / 32		41 / 35			
	Heating	High/Low	dBA	34 / 28	37 / 32		41 / 35		42 / 35	
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50;60Hz						
Decoration Panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]						
	Colour			Pure white (RAL 9010)						
	HxWxD		mm	50x950x950 / 50x950x950 / 130x950x950						
	Weight		kg	5.5 / 5.5 / 11.5						
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7F532F (optional)						

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**	**RZQ140D9V1**	**RZQ140B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FCQG-E / RZQG-L

Seasonal round flow cassette

BRC1E51A

FCQG100E

RZQG100L

While Eco-Design Directive is scheduled to come into force no earlier than 2013, Daikin is already integrating the Eco-Design principle in its light commercial range RZQ Seasonal Inverter. Daikin also integrates the 2015 Eco-Design requirements by introducing the new Top Seasonal Inverter RZQG-L series, ensuring an increase in seasonal efficiency even compared to the RZQ Seasonal Inverter.

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **360° air discharge:** ensures uniform air flow and temperature distribution
- **Air discharge from the corners:** avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Branch duct connection:** the air discharge grilles can be installed separately from the indoor unit for use in long and 'L' or 'U' shaped rooms. A flexible duct system connects the grilles to the indoor unit and guarantees a pleasant climate, even in irregularly shaped areas
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- 23 different air flow patterns possible
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER			
Indoor Units				**FCQG71E**	**FCQG100E**	**FCQG125E**	**FCQG140E**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.0	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.84 / 4.71	4.05 / 4.71	3.60 / TBC	3.21 / 4.01
Annual energy consumption			kWh	925	1235	1665	2180
Energy Label	cooling / heating			A / A		A/TBC	A / A
Dimensions	(Height x Width x Depth)		mm	288x840x840	288x840x840		
Weight			kg	25	25		
Air Flow Rate	Cooling	High/Low	m³/min	21.5 / 12.5	32.0 / 19.0	33.0 / 21.0	33.0 / 21.0
	Heating	High/Low	m³/min	21.5 / 12.5	32.0 / 19.0	33.0 / 21.0	33.0 / 21.0
Sound Power	Cooling	High	dBA	53	61		
Sound Pressure	Cooling	High/Low	dBA	36 / 29	44 / 33	45 / 35	45 / 37
	Heating	High/Low	dBA	36 / 28	44 / 33	45 / 35	45 / 37
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V;220V/50Hz			
Decoration Panel	Model			BYCP125B-W1			
Controller		Wired		BRC1E51A			

Outdoor Unit				RZQG71L	RZQG100L	RZQG125L	RZQG140L
Dimensions	(Height x Width x Depth)		mm	990x940x320	1430x940x320		
Weight			kg	77	99		
Operation Range	Cooling	Min~Max	°CDB	-15~50			
	Heating	Min~Max	°CWB	-20~15.5			
Sound Power		Cooling	dBA	64	66	67	68
Sound Pressure (Standard)		Cooling	dBA	48	50	51	51
		Heating	dBA	50	52	53	53
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	50	75		
Max installation height difference			m	30	30		

FUQ-B / RZQ-D/B9W1

4-way blow ceiling suspended cassette

BRC1E51A

BRC7C528

FUQ100, 125B

RZQ100,125D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Can be installed in both new and existing buildings
- Air can be discharged in any of 4 directions
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity
- No ceiling staining
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated
- Drain-up pump with 500mm lift fitted as standard
- Easy to install
- Communications, computer and server room cooling possible with EDP setting
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER				
Indoor Units				**FUQ71B**	**FUQ100B**		**FUQ125B**	
Capacity	Cooling capacity	Standard	kW	7.1	10		12.5	
	Heating capacity	Standard	kW	8.0	11.2		14.0	
Nominal	EER / COP	Cooling / Heating		3.21 / 3.42	3.37 / 3.38	3.21 / 3.41	3.16 / 3.29	3.09 / 3.21
	Annual energy consumption		kWh	1,105	1484	1560	1978	2025
	Energy Label	Cooling / Heating		A / B	A / C	A / B	B / C	
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895			
Weight			kg	25.0	31.0			
Air Flow Rate	Cooling	High/Low	m^3/min	19.0 / 14.0	29.0 / 21.0		32.0 / 23.0	
	Heating	High/Low	m^3/min	19.0 / 14.0	29.0 / 21.0		32.0 / 23.0	
Sound Power	Cooling	High/Low	dBA	56.0 / 51.0	59.0 / 54.0		60.0 / 55.0	
	Heating	High/Low	dBA	56.0 / 51.0	59.0 / 54.0		60.0 / 55.0	
Sound Pressure	Cooling	High/Low	dBA	40.0 / 35.0	43.0 / 38.0		44.0 / 39.0	
	Heating	High/Low	dBA	40.0 / 35.0	43.0 / 38.0		44.0 / 39.0	
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7C528 (optional)				

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Sound Power		Cooling	dBA	64	65		67	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50
		Heating	dBA	50	52		53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45			
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. internunit level difference			m	0.5				
Max installation height difference			m	30				

FHQ-B / RXS-J/F

Ceiling suspended unit

BRC1E51A

BRC7E63

FHQ35, 50B

RXS35J

- **Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				INVERTER		
Indoor Units				**FHQ35B**	**FHQ50B**	**FHQ60B**
Capacity	Cooling capacity	Minimum	kW	1.4	1.7	1.7
		Standard	kW	3.4	5.0	5.7
		Maximum	kW	3.7	5.6	6.0
	Heating capacity	Minimum	kW	1.2	1.7	1.7
		Standard	kW	4.0	6.0	7.2
		Maximum	kW	5.0	7.0	8.0
EER / COP	Cooling / Heating			3.24 / 3.60	2.73 / 2.93	2.65 / 2.89
Annual energy consumption			kWh	525	915	1075
Energy Label	cooling / heating			A / A	D / D	D / D
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x960x680	195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m^3/min	13.0 / 10.0	13.0 / 10.0	17.0 / 13.0
	Heating	High/Low	m^3/min	13.0 / 10.0	13.0 / 10.0	16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	-
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Controller	Wired/Wireless			BRC1E51A (standard) / BRC7E63 (optional)		

Outdoor Unit				**RXS35J**	**RXS50J**	**RXS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18	-15~18
Sound Power		Cooling	dBA	63	63	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 12.7	6.35/12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

FHQ-B / RZQS-D

Ceiling suspended unit

BRC1E51A

BRC7E63

FHQ71B

RZQS100,125D

- **Comfort Inverter technology:** reduces the power consumption by up to 30% compared to non inverter units and ensures maximum comfort and reliability
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level
- **User access:** different levels of user access can be selected
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				COMFORT INVERTER		
Indoor Units				**FHQ71B**	**FHQ100B**	**FHQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
EER / COP	Cooling / Heating			2.83 / 2.91	2.81 / 2.91	2.75 / 2.88
Annual energy consumption			kWh	1254	1779	2273
Energy Label	cooling / heating			C / D		D / D
Dimensions	(Height x Width x Depth)		mm	195x1160x680	195x1400x680	195x1590x680
Weight			kg	27.0	32.0	35.0
Air Flow Rate	Cooling	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
	Heating	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
Sound Power	Cooling	High/Low	dBA	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
	Heating	High/Low	dBA	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
Sound Pressure	Cooling	High/Low	dBA	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
	Heating	High/Low	dBA	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller		Wired/Wireless		BRC1E51A (standard) / BRC7E63 (optional)		

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	
Weight			kg	68	103	
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-15~15.5		
Sound Power		Cooling	dBA	65	67	
Sound Pressure (Standard)		Cooling	dBA	49	51	
		Heating	dBA	51	55	53
Sound Level (Night quiet)		Sound Pressure	dBA	47	49	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	30	50	
Max. interunit level difference			m	0.5		
Max Installation Height Difference			m	15	30	

FHQ(G) / RZQ-D/B9W1

Ceiling suspended unit

BRC1E51A

FHQG71C

FHQ71B

RZQ100-125-140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- Ideal solution for shops, restaurants or offices without false ceilings
- New design and new vertical louvres allows longer or wider air flow pattern
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Communications, computer and server room cooling possible with EDP setting
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER					
Indoor Units				**FHQG71C**	**FHQG100C**	**FHQ100B**	**FHQG125C**	**FHQ125B**	**FHQG140C**
Nominal Capacity	Cooling capacity	Standard	kW	7.1	10.0	10.0	12.5	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	11.2	14.0	14.0	16.0
Nominal	EER / COP	Cooling / Heating		3.48 / 3.85	3.40 / 4.00	3.17 / 3.11	3.07 / 3.70	2.81 / 3.11	2.81 / 3.50
	Annual energy consumption		kWh	1020	1470	1575	2036	2225	2490
	Energy Label	Cooling / Heating		A / A	A / A	B / D	B / A	C / D	C / B
Dimensions	(Height x Width x Depth)		mm	235x1270x690	235x1590x690	195x1400x680	235x1590x690	195x1590x680	235x1590x690
Weight			kg	32.0	38.0	32.0	38.0	35.0	38.0
Air Flow Rate	Cooling	High/Low	m^3/min	20.5 / 14.0	28.0 / 20.0	24.0 / 20.0	31.0 / 23.0	30.0 / 25.0	34.0 / 24.0
	Heating	High/Low	m^3/min	20.5 / 14.0	28.0 / 20.0	24.0 / 20.0	31.0 / 23.0	30.0 / 25.0	34.0 / 24.0
Sound Power	Cooling	High	dBA	55.0	60.0	58.0	62.0	60.0	64.0
Sound Pressure	Cooling	High	dBA	38.0	42.0	42.0	44.0	44.0	46.0
	Heating	High	dBA	38.0	42.0	42.0	44.0	44.0	46.0
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					
Controller		Wired		BRC1E51A					

Outdoor Unit				**RZQ71D3V1**	**RZQ100D9V1**	**RZQ100B9W1**	**RZQ125D9V1**	**RZQ125B9W1**	**RZQ140D9V1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		
Weight			kg	67	108	106	108	106	108
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)	51 (46)
	Heating		dBA	50	52	52	53	52	53
Sound power level	Cooling		dBA	64	65		67	66	68
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0					
	Heating	Min~Max	°CWB	-20.0~15.5					
Refrigerant			Type	R-410A					
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26					
Piping Length (Maximum)			m	50	75				
Max. interunit level difference			m	0.5					
Max Installation Height Difference			m	30					

FHQG-C / RZQG-L

Seasonal ceiling suspended

BRC1E51A

FHQG71C

RZQG71L

While Eco-Design Directive is scheduled to come into force no earlier than 2013, Daikin is already integrating the Eco-Design principle in its light commercial range RZQ Seasonal Inverter. Daikin also integrates the 2015 Eco-Design requirements by introducing the new Top Seasonal Inverter RZQG-L series, ensuring an increase in seasonal efficiency even compared to the RZQ Seasonal Inverter.

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible
- Ideal solution for shops, restaurants or offices without false ceilings
- New design and new vertical louvres allows longer or wider air flow pattern
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)

Replacement Technology

HEAT PUMP				SEASONAL INVERTER			
Indoor Units				**FHQG71C**	**FHQG100C**	**FHQG125C**	**FHQG140C**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.0	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.64 / 3.90	3.83 / 4.19	3.36 / TBC	3.01 / 3.62
Annual energy consumption			kWh	975	1305	1785	2325
Energy Label	cooling / heating			A / A		A/TBC	B / A
Dimensions	(Height x Width x Depth)		mm	235x1270x690	235x1590x690		
Weight			kg	32.0	38.0		
Air Flow Rate	Cooling	High/Low	m³/min	20.5 / 14.0	28.0 / 20.0	31.0 / 23.0	34.0 / 24.0
	Heating	High/Low	m³/min	20.5 / 14.0	28.0 / 20.0	31.0 / 23.0	34.0 / 24.0
Sound Power	Cooling	High	dBA	55.0	60.0	62.0	64.0
Sound Pressure	Cooling	High	dBA	38.0	42.0	44.0	46.0
	Heating	High	dBA	38.0	42.0	44.0	46.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V;220V/50Hz			
Controller		Wired		BRC1E51A			

Outdoor Unit				**RZQG71L**	**RZQG100L**	**RZQG125L**	**RZQG140L**
Dimensions	(Height x Width x Depth)		mm	990x940x320	1430x940x320		
Weight			kg	77	99		
Operation Range	Cooling	Min~Max	°CDB	-15~50			
	Heating	Min~Max	°CWB	-20~15.5			
Sound Power		Cooling	dBA	64	66	67	68
Sound Pressure (Standard)		Cooling	dBA	48	50	51	51
		Heating	dBA	50	52	53	53
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	50	75		
Max installation height difference			m	30	30		

UATYQ-C

Rooftop R-410A with economiser

UATYP-A

Rooftop R-407C

UATYQ-C

UATYP-A

UATYQ-C

- High efficiency
- **Economizer optional kit:** can be installed on all new UATYQ-C Rooftop series. No additional wiring is needed as the rooftop units have as standard the economizer PCB
- R-410A refrigerant is factory pre-charged to ensure clean and efficient operation
- 'Plug and Play' installation: single unit configuration
- Extended operating range:
  Cooling: 0°C to 52°C as standard (no field setting or low ambient kit required).
  Heating: -15°C to 20°C as standard
- All range with convertible return and supply air: fan can be mounted in two directions
- Belt driven fan enables air volume and static pressure to be adjusted as required
- New unified wired LCD control panel with extended control length up to 100m
- 7 days programmable timer
- Integration to bigger Daikin control system via option
- Smoke detector contact
- Electric heater connection
- The flat top design allows for maximum utilisation of warehouse/container space
- Coil with anti-corrosion treatment
- Combination of **free cooling** and **fresh air application** is possible

HEAT PUMP				NON-INVERTER					
Outdoor Units				**UATYQ250CY1**	**UATYQ350CY1**	**UATYQ450CY1**	**UATYQ550CY1**	**UATYQ600CY1**	**UATYQ700CY1**
Capacity	Cooling	Nominal	kW	27.34	35.58	44.72	55.69	66.82	72.6
	Heating	Nominal	kW	24.91	34.79	41.79	53.93	61.69	69.6
Power input	Cooling	Nominal	kW	8.14	10.78	13.04	16.72	19.65	21.61
	Heating	Nominal	kW	7.33	10.84	12.86	15.54	18.58	21.42
EER	Cooling			3.36	3.30	3.43	3.33	3.40	3.36
COP	Heating			3.40	3.21	3.25	3.47	3.32	3.25
Air flow rate evaporator	Cooling		l/s	1,560	2,030	2,670	3,170	3,445	3,917
Sound power level	Standard ESP		dBA	82	83		87	90	
External static pressure			Pa	147			206		
Condensation drain size	Diameter	OD	mm	25.4					
Dimensions	(Height x Width x Depth)		mm	1,150 x 1,638 x 2,063	1,028 x 2,209 x 2,113	1,130 x 2,209 x 2,113	1,048 x 2,209 x 2,670	1,302 x 2,209 x 2,670	1,454 x 2,209 x 2,670
Weight			kg	490	660	690	780	830	970
Air flow rate condenser	Cooling		l/s	3,884	5,664	5,710	6,090	–	
Operation Range	Cooling	Min~Max	°CDB	0~52					
	Heating	Min~Max	°CWB	-15~20					
Condenser	Sound power level	Nominal	dBA	82	83		87	90	
Refrigerant	Type			R-410A					
Power Supply				3~/380-415V/50Hz					
Optional Economizer				ECONO250AY1	ECONO350AY1	ECONO450AY1	ECONO550AY1	ECONO600AY1	ECONO700AY1

UATYP-A

- 'Plug and Play' installation: single unit configuration
- R-407C refrigerant is factory pre-charged to ensure clean and efficient operation
- Air volume/static pressure can be adjusted because of the use of a belt driven fan
- The flat top design allows for maximum utilisation of warehouse/ container space
- High efficiency and reliable scroll compressor
- Coil with anti-corrosion treatment

HEAT PUMP				NON-INVERTER		
Outdoor Units				**UATYP850AY1**	**UATYPC10AY1**	**UATYPC12AY1**
Capacity	Cooling	Nominal	kW	82.939	101.110	109.609
	Heating	Nominal	kW	92.317	102.290	126.314
Power input	Cooling	Nominal	kW	38.16	43.17	48.20
	Heating	Nominal	kW	34.78	41.67	46.80
EER	Cooling			2.17	2.34	2.27
COP	Heating			2.65	2.45	2.70
Air flow rate evaporator	Cooling		m^3/min	263	312	354
External static pressure			Pa	294		
Condensation drain size	Diameter	OD	mm	25.4		
Casing	Colour			Light grey		
	Material			Electro galvanised mild steel		
Dimensions	(Height x Width x Depth)		mm	1,735 x 2,250 x 2,800	1,974 x 2,252 x 3,180	
Weight			kg	1,350	1,510	1,600
Air flow rate condenser	Cooling		m^3/min	566		
Operation Range	Cooling	Min~Max	°CDB	20°C - 46°C		
	Heating	Min~Max	°CWB	-15°C - 20°C		
Sound level	Sound power		dBA	74	80	
Refrigerant	Type			R-407C		
Power Supply				3~/380-415V/50Hz		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Air curtains

Air curtains for light commercial application

CYQ-DK-F

Biddle Standard air curtains are the ideal solution for retailers and consultants to combat the issue of climate separation across their outlet or office doorway. Using a combination of rectifier technology, optimised air velocity and temperature control they deliver greater comfort to staff and customers alike, all year round, in all weathers.

In conjunction with Biddle, Daikin now offer the top air curtain to the market, coupling the benefits of the Biddle air curtain technology with the benefits of the Daikin heat pump Inverter technology.

ENERGY SAVINGS UP TO 72%

PAYBACK TIME LESS THAN 1.5 YEARS

AIR SEPARATION EFFICIENCY UP TO 85%

Free hanging (F)

Cassette (C)

Recessed (R)

				SMALL			MEDIUM			
Indoor units				CYQS150DK80*BN	CYQS200DK100*BN	CYQS250DK140*BN	CYQM100DK80*BN	CYQM150DK80*BN	CYQM200DK100*BN	CYQM250DK140*BN
Heating capacity			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	Inlet = room temperature		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010						
Dimensions	Height	Unit F/C/R*	mm	270 / 270 / 270						
	Width	Unit 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	Unit F/C/R*	mm	590 / 821 / 561						
Required ceiling void >			mm	420						
Door height	Favorable/normal/unfavorable conditions		m	2.3 / 2.15 / 2.0			2.5 / 2.4 / 2.3			
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66 / 83 / 88	83 / 102 / 108	107 / 129 / 137	57 / 68 / 66	73 / 88 / 93	94 / 111 / 117	108 / 136 / 144
Fan - Air flow rate - Heating			m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Refrigerant	Type			R-410A						
Sound pressure - Heating			dBA	49	50	51	50	51	53	54
Piping connections	Liquid (OD) / Gas		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 (BRC1E51A)						
Power supply	Voltage		V	1~/230V/50Hz						

				LARGE			
Indoor units				CYQL100DK125*BN	CYQL150DK200*BN	CYQL200DK250*BN	CYQL250DK250*BN
Heating capacity			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	Inlet = room temperature		K	15		14	12
Casing	Colour			BN: RAL9010			
Dimensions	Height	Unit F/C/R*	mm	370 / 370 / 370			
	Width	Unit 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	Unit F/C/R*	mm	774 / 1,105 / 745			
Required ceiling void >			mm	520			
Door height	Favorable/normal/unfavorable conditions		m	3.0 / 2.75 / 2.5			
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76 / 81 / 83	100 / 118 / 141	126 / 151 / 155	157 / 190 / 196
Fan - Air flow rate - Heating			m^3/h	3,100	4,650	6,200	7,750
Refrigerant	Type			R-410A			
Sound pressure - Heating			dBA	53	54	56	57
Piping connections	Liquid (OD) / Gas		mm	9.52 / 16.0	9.52 / 19.0	9.52 / 22.0	9.52 / 22.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E51A)			
Power supply	Phase / Frequency / Voltage		Hz / V	1~/230V/50Hz			

*F: Freehanging model, C: Cassette model, R: Recessed model

Daikin – Biddle technology

The Standard air curtain automatically operates as a heating or ambient air curtain to maintain year round store entrance temperature and minimise heat loss and heat gains through the doorway.

- **The Standard air curtain offers energy consumption savings of up to 72% compared to a typical electrically heated air curtain, providing payback times of less than 1.5 years**
- Biddle Standard air curtains connect to selected Daikin ERQ Heat Pump Inverter condensing units
- Inverter compressor control ensures automatic and efficient operation of heating output as required, maintaining temperature
- Air curtain Rectifier technology offers a deeply penetrating airstream. The Rectifier technology has a European Patent
- 85% air curtain separation efficiency at optimum height, reducing heat loss

Daikin ERQ Heat Pump Inverter

- Inverter controlled heat pump units
- Wide capacity range offering maximum application potential plus flexible control options
- R-410A refrigerant, single and three phase
- Wide operation range
  - Cooling -5~46°C
  - Heating -20~15.5°C

ERQ100AV1

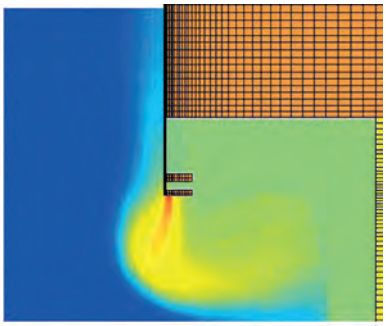
ERQ100AV1	ERQ125AV1	ERQ140AV1	ERQ125AW1	ERQ200AW1	ERQ250AW1
1 Phase			3 Phase		
P					
P	P				
	P	P	P	P	
P					
P	P				
P	P	P			
				P	P
	P	P	P	P	
				P	P
					P
					P

COMBINATION TABLE			
Model	**Range**	**Door Width (cm)**	**Capacity Class**
CYQS150DK80* BN	Small	150	100
CYQS200DK100* BN	Small	200	125
CYQS250DK140* BN	Small	250	140
CYQM100DK80* BN	Medium	150	100
CYQM150DK80* BN	Medium	200	125
CYQM200DK100* BN	Medium	250	140
CYQM250DK140* BN	Medium	250	200
CYQL100DK125* BN	Large	100	140
CYQL150DK200* BN	Large	150	200
CYQL200DK250* BN	Large	200	250
CYQL250DK250* BN	Large	250	250

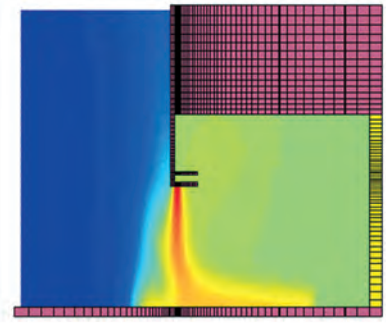
Biddle's rectifier technology (European Patent)

By reducing the air turbulence at the discharge of the air curtain, the induction of the surrounding air is also reduced, providing a deeply penetrating airstream.
In addition the design of the rectifier provides a laminar air flow right down to floor level, reducing energy consumption and increasing comfort levels all year round.

- Laminar air flow stream – Minimizes air turbulence
- Reduced energy loss
- Improved penetration – greater comfort levels.



Standard air curtain, with turbulent air stream and loss of airflow – **low separation efficiency**

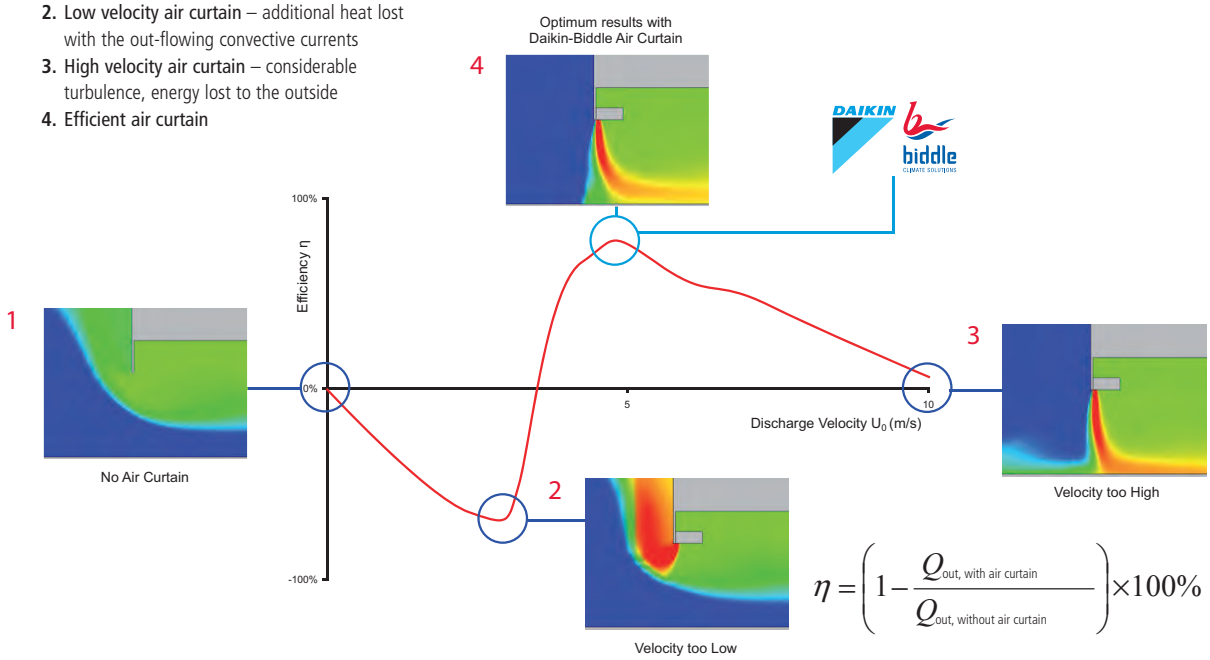


Daikin-Biddle air curtain with patented rectifier grille – **separation efficiency up to 85%**

Biddle's optimised air flow velocity

The correct air flow velocity greatly improves the air curtain efficiency and when combined with the rectifier technology, results in high separation efficiencies (up to 85%).

1. **Energy losses** – no air curtain fitted
2. **Low velocity air curtain** – additional heat lost with the out-flowing convective currents
3. **High velocity air curtain** – considerable turbulence, energy lost to the outside
4. **Efficient air curtain**



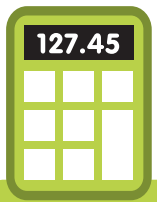
$$\eta = \left(1 - \frac{Q_{\text{out, with air curtain}}}{Q_{\text{out, without air curtain}}}\right) \times 100\%$$

Residential & commercial – multi systems

The CMSQ system is ideal for shops, restaurants, small offices and even 2-storey areas. Up to 4 indoor units can be connected and controlled individually with different capacities and combinations possible.

Twin, Triple and Double Twin applications can connect 2, 3 or 4 indoor units to a single outdoor unit. All indoor units are operated together within the same mode (cooling or heating) from one remote control. This allows equal air distribution, even in larger, irregularly shaped rooms.

A Multisplit system allows up to 9 indoor units to operate from a single outdoor unit, thereby reducing installation space and costs. All indoor units can be individually controlled and do not need to be installed at the same time.



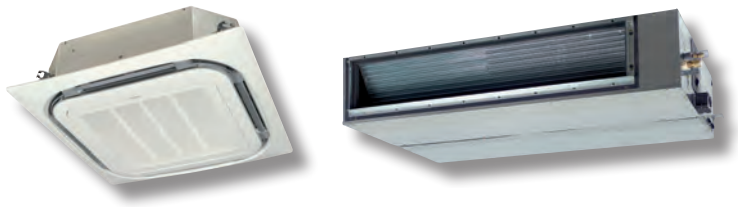
For a copy of our latest Price List please call **0845 6419000**

Commercial Multi System

Daikin has extended its Sky Air inverter range with the CMSQ series. This inverter controlled heat pump system is especially designed for light commercial applications with multiple areas requiring great flexibility and control. The CMSQ is ideal for shops, restaurants, small offices and even 2-storey areas.

- **Two classes available:** 20kW and 25kW
- **Energy efficient:** EER up to 3.71 and COP up to 4.1 - up to energy class A
- **Inverter control:** ensures constant room temperatures and maximum efficiency, especially in partial load situations
- **Indoor units:** Roundflow cassette and concealed ceiling unit, both in a range of capacities from 5.0 to 12.5kW
- **Individual control:** ideal for applications which require flexible control, but do not have a need for simultaneous heating and cooling. Up to 4 indoor units can be connected and controlled individually
- **Asymmetric combination:** different capacities and combinations of indoor units is possible
- **Flexible installation:** the outdoor unit is very flexible thanks to the increased piping length of 165m and the possibility to install the unit on the roof, against an outside wall or even indoors
- Level difference between outdoor and indoor unit up to 30m
- Height difference between the indoor units is up to 4m, which means two-storey applications are possible
- REFNET piping system for optimum refrigerant flow
- **Low noise levels:** with sound levels as low as 57 dBA (normal operation) and 45 dBA (night mode)
- **Control Systems:** Connectable to the Intelligent Touch Controller and Intelligent Manager control systems

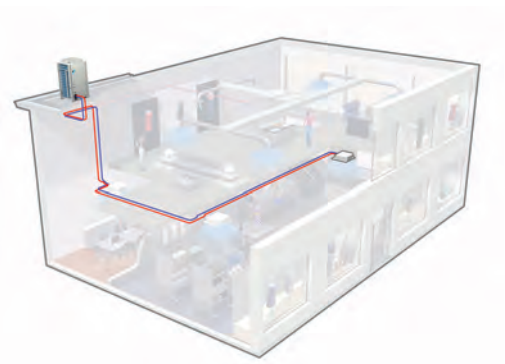




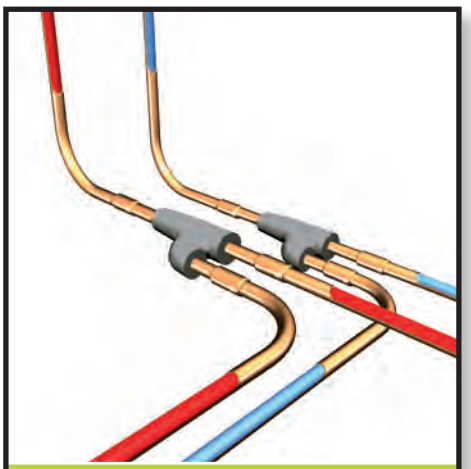
ASYMMETRIC COMBINATION:
different size and types of indoor units are possible

OUTDOOR UNIT: can be mounted easily on a roof, placed against an outside wall or even located indoors

REMOTE CONTROLLERS:
all indoor units can be controlled individually via wired or infrared remote control



PIPING LENGTH INDOOR – OUTDOOR
Maximum piping length outdoor-all indoors: up to 165m. Maximum installation height difference outdoor-indoor: up to 30m



REFNET: designed for simple installation

Indoor – outdoor
Combinations

OUTDOOR TYPE	NUMBER OF CONNECTABLE INDOORS	INDOOR TYPE	CAPACITY INDEX 1	CAPACITY INDEX 2	CAPACITY INDEX 3	CAPACITY INDEX 4	TOTAL CAPACITY INDEX	REFNET
CMSQ200A	2	FMCQ/FMDQ	50	50			100	KHRQ22M20TA
			50	60			110	KHRQ22M20TA
			50	71			121	KHRQ22M20TA
			50	100			150	KHRQ22M20TA
			50	125			175	KHRQ22M20TA
			60	60			120	KHRQ22M20TA
			60	71			131	KHRQ22M20TA
			60	100			160	KHRQ22M20TA
			60	125			185	KHRQ22M20TA
			71	71			142	KHRQ22M20TA
			71	100			171	KHRQ22M20TA
			71	125			196	KHRQ22M20TA
			100	100			200	KHRQ22M20TA
CMSQ200A	3	FMCQ/FMDQ	50	50	50		150	2 x KHRQ22M20TA
			50	50	60		160	2 x KHRQ22M20TA
			50	50	71		171	2 x KHRQ22M20TA
			50	50	100		200	2 x KHRQ22M20TA
			50	60	60		170	2 x KHRQ22M20TA
			50	60	71		181	2 x KHRQ22M20TA
			50	71	71		192	2 x KHRQ22M20TA
			60	60	60		180	2 x KHRQ22M20TA
			60	60	71		191	2 x KHRQ22M20TA
CMSQ200A	4	FMCQ/FMDQ	50	50	50	50	200	3 x KHRQ22M20TA
CMSQ250A	2	FMCQ/FMDQ	50	100			150	KHRQ22M29T9
			50	125			175	KHRQ22M29T9
			60	71			131	KHRQ22M29T9
			60	100			160	KHRQ22M29T9
			60	125			185	KHRQ22M29T9
			71	71			142	KHRQ22M29T9
			71	100			171	KHRQ22M29T9
			71	125			196	KHRQ22M29T9
			100	100			200	KHRQ22M29T9
			100	125			225	KHRQ22M29T9
			125	125			250	KHRQ22M29T9
CMSQ250A	3	FMCQ/FMDQ	50	50	50		150	KHRQ22M29T9 + KHRQ22M20TA
			50	50	60		160	KHRQ22M29T9 + KHRQ22M20TA
			50	50	71		171	KHRQ22M29T9 + KHRQ22M20TA
			50	50	100		200	KHRQ22M29T9 + KHRQ22M20TA
			50	50	125		225	KHRQ22M29T9 + KHRQ22M20TA
			50	60	60		170	KHRQ22M29T9 + KHRQ22M20TA
			50	60	71		181	KHRQ22M29T9 + KHRQ22M20TA
			50	60	100		210	KHRQ22M29T9 + KHRQ22M20TA
			50	60	125		235	KHRQ22M29T9 + KHRQ22M20TA
			50	71	71		192	KHRQ22M29T9 + KHRQ22M20TA
			50	71	100		221	KHRQ22M29T9 + KHRQ22M20TA
			50	71	125		246	KHRQ22M29T9 + KHRQ22M20TA
			60	60	60		180	KHRQ22M29T9 + KHRQ22M20TA
			60	60	71		191	KHRQ22M29T9 + KHRQ22M20TA
			60	60	100		220	KHRQ22M29T9 + KHRQ22M20TA
			60	60	125		245	KHRQ22M29T9 + KHRQ22M20TA
			71	71	71		213	KHRQ22M29T9 + KHRQ22M20TA
			71	71	100		242	KHRQ22M29T9 + KHRQ22M20TA
CMSQ250A	4	FMCQ/FMDQ	50	50	50	50	200	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	60	210	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	71	221	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	100	250	KHRQ22M29T9 + 2 x KHRQ22M20TA (1) 2 x KHRQ22M29T9 + KHRQ22M20TA (2)
			50	50	60	60	220	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	60	71	231	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	60	230	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	71	241	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	60	240	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	71	251	KHRQ22M29T9 + 2 x KHRQ22M20TA

Notes: (1) when indoor 100 is the first - (2) when indoor 50 is the first

Remark: in case 2 different refnets are being used, KHRQ22M29T9 needs to be installed first in line

CMSQ-A

Especially developed for light commercial multi applications such as shops, restaurants and small offices

- **Two classes available:** 20kW and 25kW
- **Energy efficient:** EER up to 3.71 and COP up to 4.1
- **Two types of connectable indoor units:** unique Roundflow cassette (FMCQ) and concealed ceiling unit (FMDQ), both in a range of capacities from 5.0 to 12.5 kW
- **Individual control:** up to 4 indoors can be connected and controlled individually
- **Asymmetric combination:** different capacities between indoor units is allowed
- **Flexible installation:** can be mounted on a roof, placed against an outside wall, or installed indoors
- Total system piping length of 200m
- Level difference between outdoor and indoor unit up to 30m
- Height difference between the indoor units up to 4m (two-storey shop application possible)
- REFNET piping system for optimum refrigerant flow
- Extremely quiet in operation, with sound levels as low as 57 dBA (normal operation) and 45 dBA (night mode).
- Connectable to the Intelligent Touch Controller and Intelligent Manager control systems

CMSQ-A

HEAT PUMP				CMSQ200A7W1B	CMSQ250A7W1B
Nominal capacity		cooling	kW	20.0	25.0
		heating	kW	22.4	28.0
Nominal input		cooling	kW	6.60	6.74
		heating	kW	5.80	6.83
EER				3.03	3.71
COP				3.86	4.10
Power supply			PHVHz	3N~, 400V, 50Hz	
Dimensions		HxWxD	mm	1,680x635x765	1,680x930x765
Weight			kg	159	187
Colour				Daikin White	
External static pressure			Pa	78 Pa in high static pressure	
Sound pressure level		cooling	dB(A)	57	59
Sound pressure, night quiet mode (level 1-2-3)		cooling	dB(A)	55-50-45	
Sound power level (nom)		cooling	dB(A)	78	81
Compressor			type	Hermitically sealed scroll compressor	
Refrigerant type				R-410A	
Refrigerant charge			kg	6.2	7.7
Refrigerant oil				Synthetic (ether) oil	
Refrigerant oil charged volume			l	1.7	2.1
Total system piping length (outdoor to all indoor units)			m	200	
Maximum piping length (outdoor - indoor units)			m	165	
Maximum installation height difference (outdoor-indoor units)			m	30	
Maximum interunit level difference (indoor-indoor)			m	4	
Maximum connectable indoor units				4	
Piping connections		liquid (O.D.)	mm	9.52	
		gas (O.D.)	mm	15.9	19.1
Operation range	cooling	from ~ to	°CDB	- 5.0 ~ 43.0	
	heating	from ~ to	°CWB	- 20.0 ~ 15.0	

OPTIONAL ACCESSORIES

NAME OF OPTION	CMSQ200A7W1B	CMSQ250A7W1B
Refnet header	KHRQ22M29H	
Refnet joint	KHRQ22M20T	
	-	KHRQ22M29T9
Central drain pan kit	KWC26B160	KWC26B280

FMCQ-A8

Roundflow cassette

Roundflow Cassette FMCQ-A

White with white louvres

White with grey louvres

- The thin body of the unit is the solution for customers requiring a compact unit for use with false ceilings: the required installation height is only 214mm for class 50-60
- **Modern style decoration panel, available in 2 different variations:**
  - white with grey louvres
  - full white including white louvres especially designed for modern commercial interiors
- **Horizontal air discharge:** ensures draught free operation and prevents ceiling soiling
- **Air flow flexibility:** a wide selection of 23 different airflow patterns enables unit installation in corners or small rooms
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- **Fresh air intake:** up to 20%
- Standard high-lift drain pump kit (850mm)
- **Air purification filter:** removes airborne dust particles to ensure a steady supply of clean air
- **Low noise operation:** down to 29 dBA sound pressure level
- **Wired remote controller with weekly timer:** provides a 7-day schedule timer, enabling daily or weekly programming. Up to 5 actions per day possible
- **Fan speed:** 2 fan speeds can be selected
- **Selfcleaning Panel (accessory)** – The round filter in the panel automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance. Energy saving up to 30%

FMCQ-A

			FMCQ50A8	FMCQ60A8	FMCQ71A8	FMCQ100A8	FMCQ125A8
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Dimensions (HxWxD)	unit	mm	204x840x840		246x840x840		288x840x840
Weight	unit	kg	21		24		26
Casing			Galvanised steel plate				
Air flow rate (H/L)	cooling	m^3/min	15.5/10.0	16.5/11.0	23.5/14.5	26.5/17.0	33.0/20.0
	heating	m^3/min	15.0/9.5	17.5/12.0	23.5/14.5	28.0/17.5	33.0/20.0
Sound pressure level (H/L)	cooling	dB(A)	33/28	34/29	38/32	41/33	44/34
	heating	dB(A)	33/28	36/30	38/32	42/34	44/34
Sound power level	cooling	dB(A)	51	52	55	58	61
Power supply		PHVHz	1~,220-240/220,50/60				
Refrigerant type			R-410A				
Piping connections	liquid (O.D.)	mm	6.35	9.52			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D. 32, I.D. 25)				
Infrared remote control			BRC7F532F				
Wired remote control			BRC1D528				
Decoration panel	model		BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]				
	colour		Pure white (RAL 9010)				
	dimensions (HxWxD)	mm	50x950x950 / 50x950x950 / 130x950x950				
	weight	kg	5.5 / 5.5 / 11.5				

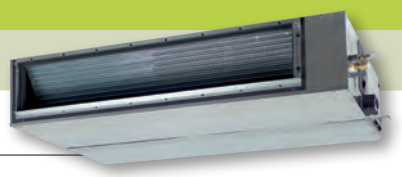
OPTIONS

		FMCQ50A8	FMCQ60A8	FMCQ71A8	FMCQ100A8	FMCQ125A8
Decoration panel		BYCQ140CW1W / BYCQ140CGW1				
Long life replacement filter	non woven type	KAFP551K160				
Fresh air intake kit (20% fresh air intake)	chamber type	KDDQ55C140				
Sealing member of air discharge outlet		KDBHQ55C140				

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FMDQ-B

Ducted with DC Inverter driven fan



Concealed ceiling unit Inverter fan FMDQ-B

- Ideal for areas requiring maximum floor space for furniture, decorations and fittings. Only air suction and discharge grilles are visible
- **DC inverter fans:** large reduction in power consumption
- **3-step airflow control:** Comfort improved
- Maximum External Static Pressure (ESP) up to 120Pa. Flexible ducts of varying lengths can be easily used
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- Automatic air flow adjustment towards nominal air flow rate to ease installation
- **Standard high-lift drain pump kit (625mm):** increases reliability of the drain system
- **Standard air filter:** removes airborne dust particles to ensure a steady supply of clean air
- **Low noise:** down to 29 dBA sound pressure level
- **Wired remote controller with weekly timer:** provides a 7-day schedule timer, enabling daily or weekly programming. Up to 5 actions per day possible
- **Fan speed:** 3 fan speeds can be selected

FMDQ-B

			FMDQ50B	FMDQ60B	FMDQ71B	FMDQ100B	FMDQ125B
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Nominal input	cooling	kW	0.192	0.142	0.163	0.247	0.303
	heating	kW	0.192	0.142	0.163	0.247	0.303
Dimensions (HxWxD)	unit	mm	300x700x700	300x1,000x700		300x1,400x700	
Weight	unit	kg	26	35		46	
Casing			Galvanised steel / non painted				
Air flow rate (H/L)	cooling	m^3/min	16/11	19.5/16	25/20	32/23	39/28
	heating	m^3/min	16/11	19.5/16	25/20	32/23	39/28
ESP (H/M)	max	Pa	100/30		100/40	120/40	120/50
Sound pressure level (H/L)	cooling	dB(A)	37/29	37/30	38/32	32	33
	heating	dB(A)	37/29	37/30	38/32	32	33
Sound power level	cooling	dB(A)	63	59	63	61	66
Refrigerant type			R-410A				
Piping connections	liquid (O.D.)	mm	6.4	9.5			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D.32/I.D25)				
Air filter			Resin net with mould resistance				
Drain-up height		mm	625				
Power supply		PhVHz	1~, 220-240/220, 50/60				
Infrared remote control			BRC4C65				
Wired remote control			BRC1D528				
Decoration panel	model		BYBS45DJW1	BYBS71DJW1		BYBS125DJW1	
	dimensions (HxWxD)	mm	55x800x500	55x1,100x500		55x1,500x500	
	weight	kg	3.5	4.5		6.5	

OPTIONS

	FMDQ50B	FMDQ60B	FMDQ71B	FMDQ100B	FMDQ125B
Decoration panel	BYBS45DJW1	BYBS71DJW1		BYBS125DJW1	
Service access panel	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W		
High efficiency filter 65% (1)	KAFJ252L56	KAFJ252L80	KAFJ252L160		
High efficiency filter 90%	KAFJ253L56	KAFJ253L80	KAFJ253L160		
Filter chamber for bottom suction	KAJ25L56D	KAJ25L80D	KAJ25L160D		
Filter chamber for rear suction	KAJ25L56B	KAJ25L80B	KAJ25L160B		
Mounting kit for decoration panel (2)	EKBYBSD				
Screening door / blind board	KBBJ25K56	KBBJ25K80	KBBJ25K160		
Air discharge adapter for round duct	KDAJ25KA56	KDAJ25KA140			

(1) If installing a high efficiency filter in the unit, an assembly chamber for either bottom or rear suction is required
(2) Only needed if decoration panel is mounted directly onto the unit body


lussile
nitrama

Twin, Triple, Double Twin applications

- It is possible to connect 2, 3 or 4 indoor units to a single outdoor unit
  The indoor units may be of different types (e.g. 4-way blow ceiling mounted cassette, wall mounted, ...). All indoor units are operated together within the same mode (cooling or heating) from one remote control. This allows equal air distribution, even in larger, irregularly shaped rooms
- The total capacities (outdoor base) for simultaneous operation are the same as for the pair applications
- Re-use of existing R22 and R407C piping possible
  (see R22 Replacement leaflet)

Replacement Technology

COMFORT INVERTER

	4 WAY CASSETTE 600x600	ROUND FLOW CASSETTE		CEILING SUSPENDED 4 WAY CASSETTE	CONCEALED CEILING		WALL MOUNTED	CEILING SUSPENDED
	FFQ-B	**FCQ-C8**	**FCQH-D8**	**FUQ-B**	**FBQ-C**	**FDQ-B**	**FAQ-B**	**FHQ-B**
RZQS71~140D (1 Phase)	●	●	●		●		●	●

SEASONAL INVERTER

	4 WAY CASSETTE 600x600	ROUND FLOW CASSETTE		CEILING SUSPENDED 4 WAY CASSETTE	CONCEALED CEILING		WALL MOUNTED	CEILING SUSPENDED	
	FFQ-B	**FCQ-C8**	**FCQH-D8**	**FUQ-B**	**FBQ-C**	**FDQ-B**	**FAQ-B**	**FHQ-B**	**FHQG-C**
RZQ71~140D (1 Phase)	●	●	●	●	●		●	●	●
RZQ100~140BW1 (3 Phase)	●	●	●	●	●		●	●	●

SUPER INVERTER

	4 WAY CASSETTE 600x600	ROUND FLOW CASSETTE		CEILING SUSPENDED 4 WAY CASSETTE	CONCEALED CEILING		WALL MOUNTED	CEILING SUSPENDED	
	FFQ-B	**FCQ-C8**	**FCQH-D8**	**FUQ-B**	**FBQ-C**	**FDQ-B**	**FAQ-B**	**FHQ-B**	**FHQG-C**
RZQ200~250CY1 (3 Phase)	●	●	●	●	●	●	●	●	●

POSSIBLE COMBINATIONS

	TWIN	TRIPLE	DOUBLE TWIN
RZQ71 RZQS71	35+35 (KHRQ22M20TA)		
RZQ100* RZQS100	50+50 (KHRQ22M20TA)	35+35+35 (KHRQ127H)	
RZQ125* RZQS125	60+60 (KHRQ22M20TA)	50+50+50 (KHRQ127H)	35+35+35+35 (3 x KHRQ22M20TA)
RZQ140* RZQS140	71+71 (KHRQ22M20TA)	50+50+50 (KHRQ22M20TA)	35+35+35+35 (3 x KHRQ22M20TA)
RZQ200	100+100 (KHRQ22M20TA)	60+60+60 71+71+71 (KHRQ250H7)	50+50+50+50 (3 x KHRQ22M20TA)
RZQ250	125+125 (KHRQ22M20TA)		60+60+60+60 (3 x KHRQ22M20TA)

* Note: For RZQ100,125,140B9W1 in combination with FCQ35~71C8 or FCQH71D8, use the refrigerant branch piping KHRQ58T for twin, KHRQ58H for triple and KHRQ58T for double twin application.

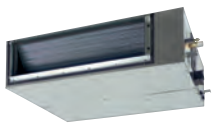
RZQS

Comfort Inverter heat pump

Replacement Technology

HEAT PUMP

Indoor Units				FAQ71B
Dimensions	(Height x Width x Depth)		mm	290x1050x230
Weight			kg	13.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0
	Heating	High/Low	m³/min	19.0 / 15.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0
	Heating	High/Low	dBA	43.0 / 37.0
Refrigerant			Type	R-410A
Power Supply				1~/220-240V/50Hz



HEAT PUMP

Indoor Units				FBQ35C	FBQ50C	FBQ60C	FBQ71C
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700	
Weight			kg	25	25	34	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15	18 / 15
Sound Power	Cooling	High	dBA	63	63	57	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29	
	Heating	High/Low	dBA	37 / 29		37 / 29	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP

Indoor Units				FCQ35C8	FCQ50C8	FCQ60C8	FCQ71C8
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840	204x840x840
Weight			kg	19	19	19	21
Air Flow Rate	Cooling	High/Low	m²/min	10.0 / 8.5	12.5 / 8.5	13.5 / 8.5	15.5 / 9.0
	Heating	High/Low	m²/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5	16.5 / 9.5
Sound Power level	Cooling	High	dBA	49	49	51	51
Sound Pressure	Cooling	High/Low	dBA	31 / 27	32 / 27	33 / 28	33 / 28
	Heating	High/Low	dBA	31 / 27	32 / 27	33 / 28	34 / 28
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz

HEAT PUMP

Indoor Units				FCQH71D8
Dimensions	(Height x Width x Depth)		mm	246x840x840
Weight			kg	23
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1
	Heating	High/Low	m³/min	21.9 / 12.1
Sound Power	Cooling	High	dBA	54
Sound Pressure	Cooling	High/Low	dBA	36 / 28
	Heating	High/Low	dBA	36 / 28
Refrigerant			Type	R-410A
Power Supply				1~/220-240V/50-60Hz

HEAT PUMP

Indoor Units				FFQ35BV	FFQ50BV	FFQ60BV
Dimensions	(Height x Width x Depth)		mm	286x575x575		
Weight			kg	17,5		
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FHQ35B	FHQ50B	FHQ60B	FHQ71B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680	
Weight			kg	24.0	25.0	27.0	
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0	17.0 / 14.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0	17.0 / 14.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0	55.0 / 51.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			

HEAT PUMP

Indoor Units				FHQG71C
Dimensions	(Height x Width x Depth)		mm	235x1270x690
Weight			kg	32.0
Air Flow Rate	Cooling	High/Low	m³/min	20.5 / 14.0
	Heating	High/Low	m³/min	20.5 / 14.0
Sound Power	Cooling	High	dBA	55.0
Sound Pressure	Cooling	High	dBA	38.0
	Heating	High	dBA	38.0
Refrigerant			Type	R-410A
Power Supply				1~/220-240V;220V/50Hz

HEAT PUMP — INVERTER

Outdoor Unit				RZQS71DV1	RZQS100DV1	RZQS125DV1	RZQS140DV1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	1170x900x320	1170x900x320
Weight			kg	68	103	103	103
Sound pressure level	Cooling (Night quiet mode)		dBA	49 (47)	51 (49)	51 (49)	52 (50)
	Heating		dBA	51	55	53	54
Sound power level	Cooling		dBA	65	67	67	68
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. internunit level difference			m	15	30		

HEAT PUMP

Indoor Units				FAQ71B	FAQ100B
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200
Weight			kg	13.0	26.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FBQ35C	FBQ50C	FBQ60C	FBQ71C	FBQ100C	FBQ125C
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700		300x1400x700	
Weight			kg	25		34		45	
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11		18 / 15		33 / 28	
	Heating	High/Low	m³/min	16 / 11		18 / 15		39 / 28	41 / 29
Sound Power	Cooling	High	dBA	63		57		66	
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29		40 / 33	
	Heating	High/Low	dBA	37 / 29		37 / 29		40 / 33	41 / 34
Refrigerant			Type	R-410A					
Power Supply				1~/230V/50Hz					

HEAT PUMP

Indoor Units				FDQ125B
Dimensions	(Height x Width x Depth)		mm	350x1400x662
Weight			kg	59.0
Air Flow Rate	Cooling	Medium	m³/min	43.0
	Heating	Medium	m³/min	43.0
Sound Power	Cooling	Medium	dBA	75.0
Sound Pressure	Cooling	High	dBA	44.0
	Heating	Low	dBA	44.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz

HEAT PUMP

Indoor Units				FCQ35C8	FCQ50C8	FCQ60C8	FCQ71C8	FCQ100C8	FCQ125C8
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840	204x840x840	256x840x840	256x840x840
Weight			kg	19	19	19	21	23	23
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 8.5	12.5 / 8.5	13.5 / 8.5	15.5 / 9.0	23.5 / 16.0	27.5 / 19.0
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5	16.5 / 9.5	23.5 / 16.0	27.5 / 19.0
Sound Power level	Cooling	High	dBA	49	49	51	51	54	58
Sound Pressure	Cooling	High/Low	dBA	31 / 27	32 / 27	33 / 28	33 / 28	37 / 32	41 / 35
	Heating	High/Low	dBA	31 / 27	32 / 27	33 / 28	34 / 28	37 / 32	41 / 35
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz

HEAT PUMP

				FCQH71D8	FCQH100D8	FCQH125D8
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840	
Weight			kg	23	25	
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2
Sound Power	Cooling	High	dBA	54	62	62
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32	45 / 36
	Heating	High/Low	dBA	36 / 28	45 / 32	45 / 36
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50-60Hz		

HEAT PUMP

Indoor Units				FFQ35BV	FFQ50BV	FFQ60BV
Dimensions	(Height x Width x Depth)		mm	286x575x575		
Weight			kg	17.5		
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FHQ35B	FHQ50B	FHQ60B	FHQ71B	FHQ100B	FHQ125B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680		195x1400x680	195x1590x680
Weight			kg	24.0	25.0	27.0		32.0	35.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					

HEAT PUMP

Indoor Units				FHQG71C	FHQG100C	FHQG125C
Dimensions	(Height x Width x Depth)		mm	235x1270x690	235x1590x690	
Weight			kg	32.0	38.0	
Air Flow Rate	Cooling	High/Low	m³/min	20.5 / 14.0	28.0 / 20.0	31.0 / 23.0
	Heating	High/Low	m³/min	20.5 / 14.0	28.0 / 20.0	31.0 / 23.0
Sound Power	Cooling	High	dBA	55.0	60.0	62.0
Sound Pressure	Cooling	High	dBA	38.0	42.0	44.0
	Heating	High	dBA	38.0	42.0	44.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V;220V/50Hz		

HEAT PUMP

Indoor Units				FUQ71B	FUQ100B	FUQ125B
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895	
Weight			kg	25	31	
Air Flow Rate	Cooling	High/Low	m³/min	19/14	29/21	32/23
	Heating	High/Low	m³/min	19/14	29/21	32/23
Sound Power	Cooling	High/Low	dBA	40/35	43/38	44/39
Sound Pressure	Cooling	High/Low	dBA	56/51	59/54	60/55
	Heating	High/Low	dBA	56/51	59/54	60/55
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

				SEASONAL INVERTER							SUPER INVERTER	
Outdoor Unit				RZQ71D3V1	RZQ100D9V1	RZQ100B9W1	RZQ125D9V1	RZQ125B9W1	RZQ140D9V1	RZQ140B9W1	RZQ200C7Y1B	RZQ250C7Y1B
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320						1680x930x765	1680x930x765
Weight			kg	67	108	106	108	106	108	106	183	184
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)	51 (46)	50 (45)	57 (-)	57 (-)
	Heating		dBA	50	52	52	53	52	53	52	-	-
Sound power level	Cooling		dBA	64	65	65	67	66	68	66	78	78
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0								
	Heating	Min~Max	°CWB	-20.0~15.5								
Refrigerant			Type	R-410A								
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	3N~/380-415V/50Hz	3N~/380-415V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26							9.5 / 22.2 / -	12.7 / 22.2 / -
Piping Length (Maximum)			m	50	75						100	100
Max. internunit level difference			m	30								

Multi model applications

MXU & MXS

Installation flexibility

A very wide range is available, from 2-port to 5-port condensing 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 of indoor units:

MXU

It is possible to combine wall mounted indoor units.

MXS

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 cassette 600x600

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

Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet).

Replacement Technology

RXYSQ

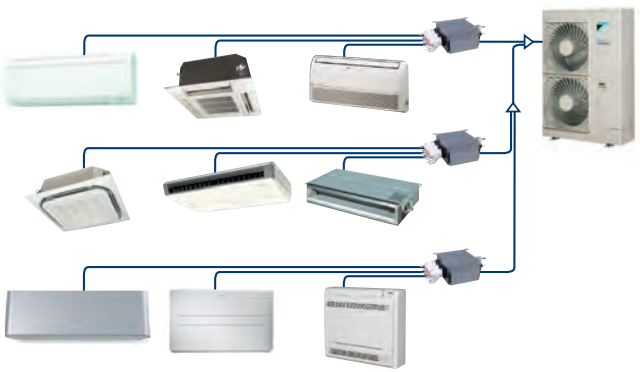
Installation flexibility

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 BP unit varies the refrigerant volume to meet the cooling or heating requirements of a room. The improved BP unit is easier to disassemble, making repairing and recycling more simple. The REFNET joint both 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.

Wide choice of indoor units:

It is possible to combine different types of indoor units:

- wall mounted
- flexi type
- floor standing
- concealed ceiling
- round flow cassette
- 4-way cassette 600x600
- ceiling suspended



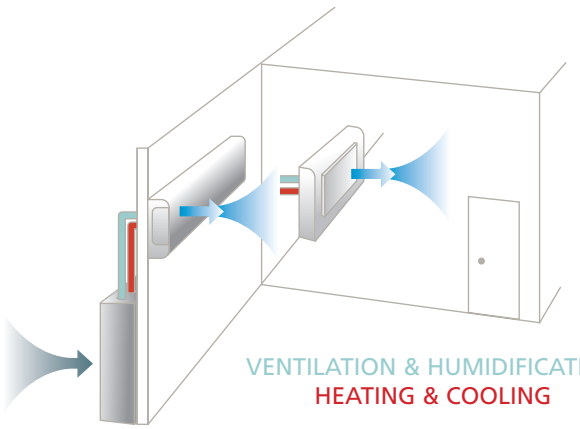
Ururu Multi

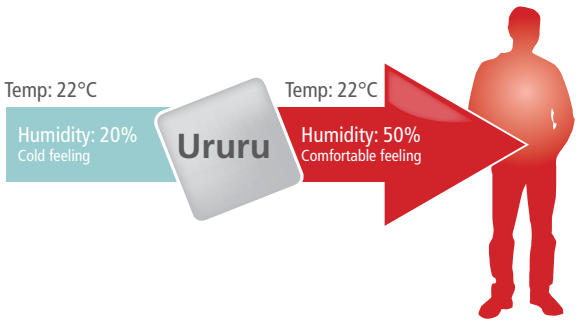
The Daikin Ururu Multi heat pump system is unique in it ability to supply comfort cooling, heating, humidification and fresh air ventilation.

Designed primarily for two room residential use, the system comprises visually attractive wall mounted indoor units and a robust outdoor unit that can be installed on a balcony or against a wall.

For the humidification, called "Ururu" in Japanese, moisture is absorbed from the outdoor air. Subsequently, this humidified outdoor air streams into the indoor unit and is evenly distributed throughout the indoor areas. The Ururu Multi, therefore, works without a water reservoirs and serves to evenly distribute humidified air. Humid heat operation however, is only available during the heat function.

Unlike the conventional multi system, the Ururu Multi brings fresh, conditioned air into the room. Furthermore, the temperature of the incoming air is brought to the desired level without cold or heat loss. Another benefit is that the air supply fan is accommodated in the outdoor unit, which means that you will never be bothered by any fan noises.





> URURU humidification: maintains a comfortable humidity level without any separate water supply
> Fresh air supply for healthy living
> Up to 2 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room or at the same time
> 2 area intelligent eye: air flow is sent to the area in a room where no person is detected

MXU-G

Ururu Multi Inverter heat pump

HEAT PUMP							
Indoor units				**CTXU25G2V1B**	**CTXU35G2V1B**	**CTXU42G2V1B**	**CTXU50G2V1B**
Dimensions	Height x Width x Depth		mm	295x800x215	295x800x215	295x800x215	295x800x215
Weight			kg	9	10	10	10
Air Flow Rate	Cooling	High	m³/min	9.1	10.4	9.1	10.2
	Heating	High	m³/min	9.8	10.6	11.2	11
Sound Power	Cooling	High	dBA	54	58	58	59
	Heating	High	dBA	55	58	58	60
Sound Pressure	Cooling	SH/H/M/L	dBA	38 / 32 / 25 / 22	42 / 34 / 26 / 23	42 / 38 / 33 / 30	43 / 39 / 34 / 31
	Heating	H/M/L/SO	dBA	39 / 34 / 28 / 25	42 / 36 / 29 / 26	42 / 38 / 33 / 30	44 / 39 / 34 / 31
Refrigerant			Type	R-410A			
Power Supply				1~/220-230-240V/50Hz			

HEAT PUMP					
Outdoor units				**2MXU40GV1B**	**2MXU50GV1B**
Dimensions	Height x Width x Depth		mm	675x765x285	675x765x285
Weight			kg	45	49
Operation Range	Cooling	Min~Max	°CDB	10~46	10~46
	Heating	Min~Max	°CWB	-15~15.5	-15~15.5
Sound Power		Cooling	dBA	62	63
Sound Pressure (High)		Cooling	dBA	47	48
		Heating	dBA	48	50
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18	6.35 / 9.52 - 12.7 / 18
Piping Length (Maximum)			m	30 (for total of each room) / 15 (for one room)	30 (for total of each room) / 15 (for one room)
Max. internunit level difference			m	7.5	7.5

Combination tables

Ururu Multi

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXU40GV1B	2.5	2.50	---	1.50	2.50	3.00	0.330	0.610	0.800	4.10	A	305
	3.5	3.50	---	1.50	3.50	4.00	0.330	1.050	1.360	3.33	A	525
	2.5+2.5	2.00	2.00	1.75	4.00	4.40	0.310	1.020	1.230	3.92	A	510
	2.5+3.5	1.80	2.20	1.75	4.00	4.60	0.310	0.990	1.310	4.04	A	495

HEATING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXU40GV1B	2.5	3.40	---	1.10	3.40	4.10	0.260	1.020	1.480	3.33	C
	3.5	3.80	---	1.10	3.80	4.40	0.260	1.280	1.720	2.97	D
	2.5+2.5	2.20	2.20	1.40	4.40	4.70	0.250	1.030	1.160	4.27	A
	2.5+3.5	2.05	2.35	1.40	4.40	4.70	0.240	0.990	1.110	4.44	A

Note: Connected to 2.5,3.5 class of wall mounted unit CTXU-G

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS50G2V1B	2.5	2.50	---	1.60	2.50	3.10	0.330	0.560	0.800	4.46	A	280
	3.5	3.50	---	1.60	3.50	4.00	0.320	0.940	1.240	3.72	A	470
	4.2	4.20	---	1.60	4.20	4.70	0.320	1.380	1.850	3.04	B	690
	5.0	5.00	---	1.60	5.00	5.10	0.320	1.940	2.070	2.58	E	970
	2.5+2.5	2.50	2.50	1.95	5.00	5.30	0.340	1.380	1.610	3.62	A	690
	2.5+3.5	2.08	2.92	1.95	5.00	5.40	0.340	1.340	1.610	3.73	A	670
	2.5+4.2	1.87	3.13	1.95	5.00	5.50	0.340	1.330	1.720	3.76	A	665
	2.5+5.0	1.67	3.33	1.95	5.00	5.50	0.340	1.300	1.700	3.85	A	650
	3.5+3.5	2.50	2.50	1.98	5.00	5.40	0.340	1.290	1.550	3.88	A	645
	3.5+4.2	2.27	2.73	1.98	5.00	5.50	0.340	1.280	1.650	3.91	A	640
	3.5+5.0	2.06	2.94	1.98	5.00	5.50	0.340	1.270	1.620	3.94	A	635
	4.2+4.2	2.50	2.50	1.98	5.00	5.50	0.340	1.270	1.620	3.94	A	635

HEATING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS50G2V1B	2.5	3.40	---	1.16	3.40	4.10	0.220	0.940	1.270	3.62	A
	3.5	4.00	---	1.16	4.00	4.60	0.220	1.180	1.460	3.39	C
	4.2	4.70	---	1.16	4.70	5.10	0.220	1.490	1.730	3.15	D
	5.0	5.40	---	1.28	5.40	5.60	0.230	1.770	1.910	3.05	D
	2.5+2.5	2.80	2.80	1.18	5.60	5.80	0.220	1.380	1.430	4.06	A
	2.5+3.5	2.38	3.32	1.24	5.70	6.00	0.230	1.340	1.450	4.25	A
	2.5+4.2	2.13	3.57	1.25	5.70	6.10	0.230	1.330	1.470	4.29	A
	2.5+5.0	1.90	3.80	1.35	5.70	6.30	0.230	1.320	1.520	4.32	A
	3.5+3.5	2.85	2.85	1.30	5.70	6.10	0.230	1.330	1.460	4.29	A
	3.5+4.2	2.59	3.11	1.31	5.70	6.20	0.230	1.320	1.480	4.32	A
	3.5+5.0	2.35	3.35	1.35	5.70	6.40	0.230	1.310	1.560	4.35	A
	4.2+4.2	2.85	2.85	1.32	5.70	6.30	0.230	1.310	1.500	4.35	A

Note: Connected to 2.5,3.5,4.2,5.0 class of wall mounted unit CTXU-G

MXS-E/F/G/H

Multi Inverter heat pump

Replacement Technology

HEAT PUMP

Outdoor Units	WALL MOUNTED													FLEXI TYPE				FLOOR STANDING						SLIM CONCEALED CEILING				CONCEALED CEILING				ROUND FLOW CASSETTE			4-WAY BLOW CASSETTE 600X600				CEILING SUSPENDED		
	FTXG-J			FTXS-J							FTX-JV			FLXS-B				FVXS-F			FVXG-K			FDXS-E/C				FDBQ-B/FBQ-C				FCQ-C8			FFQ-B				FHQ-B		
	25	35	50	20	25	35	42	50	60	71	20	25	35	25	35	50	60	25	35	50	25	35	50	25E	35E	50C	60C	25	35	50	60	35	50	60	25	35	50	60	35	50	60
2MXS40H	•	•		•	•	•					•	•	•	•	•			•	•		•	•		•	•																
2MXS50H	•	•	•	•	•	•	•	•			•	•	•	•	•	•		•	•	•	•	•	•	•	•	•									•	•	•				
3MXS52E	•	•	•	•	•	•	•	•						•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•		•	•	
3MXS68G	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXS68F	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•[1]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXS80E	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5MXS90E	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•	•	•[2]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

1. Following combination is not possible: 25 + 25 + 25 + 25
2. Following combinations are not possible: 20 + 25 + 25 + 35 + 50 / 20 + 25 + 35 + 35 + 35 / 25 +25 + 35 + 35 + 35

HEAT PUMP

Indoor Units				FTXG25JW / FTXG25JS	FTXG35JW / FTXG35JS	FTXG50JS / FTXG50JW
Dimensions	(Height x Width x Depth)		mm	295x915x155		
Weight			kg	11.0		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.8 / 6.8 / 4.7 / 3.8	10.1 / 7.3 / 4.6 / 3.9	10.5 / 8.7 / 6.9 / 5.9
	Heating	H/M/L/SL	m³/min	9.6 / 7.9 / 6.2 / 5.4	10.8 / 8.6 / 6.4 / 5.6	11.4 / 9.8 / 8.1 / 7.1
Sound Power	Cooling	High	dBA	54.0	58.0	64.0
	Heating	High	dBA	55.0	58.0	64.0
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0	42.0 / 34.0 / 26.0 / 23.0	47.0 / 41.0 / 35.0 / 32.0
	Heating	H/M/L/SL	dBA	39.0 / 34.0 / 28.0 / 25.0	42.0 / 36.0 / 29.0 / 26.0	47.0 / 41.0 / 35.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FTXS20J	FTXS25J	FTXS35J	FTXS42J	FTXS50J	FTXS60G	FTXS71G
Dimensions	(Height x Width x Depth)		mm	295x800x215					290x1050x250	
Weight			kg	9	9	10	10	10	12	12
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0	16 / 13.8 / 11.3 / 10.1	17.2 / 14.5 / 11.5 / 10.5
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.5 / 5.5	9.8 / 7.9 / 6.2 / 5.2	10.6 / 8.5 / 6.4 / 5.4	11.2 / 9.4 / 7.7 / 6.8	11.0 / 9.3 / 7.6 / 6.7	17.2 / 14.9 / 17.6 / 11.3	19.5 / 16.7 / 14.2 / 12.6
Sound Power	Cooling	High	dBA	54	54	58	58	59	61	62
	Heating	High	dBA	56	56	57	58	60	60	62
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	42 / 26 / 23	42 / 33 / 30	43 / 34 / 31	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	H/L/SL	dBA	38 / 28 / 25	39 / 28 / 25	42 / 29 / 26	42 / 33 / 30	44 / 34 / 31	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant			Type	R-410A						
Power Supply				1~/220-230-240V/50Hz					1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FTX20JV	FTX25JV	FTX35JV
Dimensions	(Height x Width x Depth)		mm	283x770x198		
Weight			kg	7		
Air Flow Rate	Cooling	H/M/L/SL	m³/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
	Heating	H/M/L/SL	m³/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
Sound Power	Cooling	High	dBA	55	56	57
	Heating	High	dBA	55	56	57
Sound Pressure	Cooling	H/M/L/SL	dBA	39 / 33 / 25 / 22	40 / 33 / 26 / 22	41 / 34 / 27 / 23
	Heating	H/M/L/SL	dBA	39 / 34 / 28 / 25	40 / 34 / 28 / 25	41 / 35 / 29 / 26
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FLXS25B	FLXS35B	FLXS50B	FLXS60B
Dimensions	(Height x Width x Depth)		mm	490x1050x200			
Weight			kg	16.0		17.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6	12.00 / 10.70 / 9.30 / 8.3
	Heating	H/M/L/SL	m³/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8	12.80 / 10.60 / 8.40 / 7.5
Sound Power	Cooling	High	dBA	53.0	54.0	63.0	64.0
	Heating	High	dBA	-		62.0	63.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0	48.0 / 45.0 / 41.0 / 39.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0	47.0 / 42.0 / 37.0 / 34.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz			

HEAT PUMP

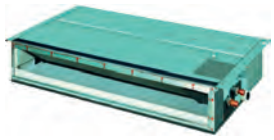
Indoor Units				FVXS25F	FVXS35F	FVXS50F
Dimensions	(Height x Width x Depth)		mm	600x700x210		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5	10.7 / 9.2 / 7.8 / 6.6
	Heating	H/M/L/SL	m³/min	8.8 / 6.9 / 5.0 / 4.4	9.4 / 7.3 / 5.2 / 4.7	11.8 / 10.1 / 8.5 / 7.1
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FVXG25K	FVXG35K	FVXG50K
Dimensions	(Height x Width x Depth)		mm	600x950x215		
Weight			kg	14	14	14
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	55	56	58
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL/Radiant	dBA	39 / 32 / 26 / 22 / 19	40 / 33 / 27 / 23 / 19	46 / 40 / 34 / 30 / 26
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FDXS25E	FDXS35E
Dimensions	(Height x Width x Depth)		mm	200x700x620	
Weight			kg	21.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
Sound Power	Cooling	High	dBA	53.0	
	Heating	High	dBA	53.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240/220-230V/50/60Hz	

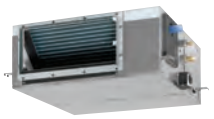


HEAT PUMP

Indoor Units				FDXS50C	FDXS60C
Dimensions	(Height x Width x Depth)		mm	200x900x620	200x1100x620
Weight			kg	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	55.0	56.0
	Heating	High	dBA	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
Refrigerant			Type	R-410A	
Power Supply				220-240/220-230V/50/60Hz	

HEAT PUMP

Indoor Units				FDBQ25B
Dimensions	(Height x Width x Depth)		mm	230x652x502
Weight			kg	17.0
Air Flow Rate	Cooling	High/Low	m³/min	6.50 / 5.20
	Heating	High/Low	m³/min	6.95 / 5.20
Sound Power	Cooling	High/Low	dBA	55.0 / 49.0
	Heating	High/Low	dBA	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	35.0 / 28.0
	Heating	High/Low	dBA	35.0 / 29.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz



HEAT PUMP

Indoor Units				FBQ35C	FBQ50C	FBQ60C
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25	25	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15
Sound Power	Cooling	High	dBA	63	63	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29
	Heating	High/Low	dBA	37 / 29		37 / 29
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FFQ25BV	FFQ35BV	FFQ50BV	FFQ60BV
Dimensions	(Height x Width x Depth)		mm	286x575x575			
Weight			kg	17.5			
Air Flow Rate	Cooling	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP

Indoor Units				FCQ35C8	FCQ50C8	FCQ60C8
Dimensions	(Height x Width x Depth)		mm	204x840x840		
Weight			kg	19		
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49		51
Sound Pressure	Cooling	High/Low	dBA	31 / 27		33 / 28
	Heating	High/Low	dBA	31 / 27		33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FHQ35B	FHQ50B	FHQ60B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP — INVERTER

Outdoor Unit				2MXS40H	2MXS50H	3MXS52E
Dimensions	(Height x Width x Depth)		mm	550x765x285		735x936x300
Weight			kg	38	42	49
Operation Range	Cooling	Min~Max	°CDB	10~46		-10~46
	Heating	Min~Max	°CWB	-15~24		-15~15.5
Sound Power (Nom)		Cooling	dBA	62	63	59
Sound Pressure (High)		Cooling	dBA	47	48	46
		Heating	dBA	48	50	47
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		1~/230V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	2x6.4 / 2x9.5	2x6.4 / 9.5 12.7	3x6.4 / 2x9.5 12.9
Piping Length (Maximum)			m	30 (total) 20 (for 1 room)		50 (total) 25 (for 1 room)
Max Installation Height Difference			m	15		

HEAT PUMP — INVERTER

Outdoor Unit				3MXS68G	4MXS68F	4MXS80E	5MXS90E
Dimension		HxWxD	mm	735x936x300	735x936x300	770x900x320	770x900x320
Weight			kg	58	58	72	73
Operation range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CDB	-15~15.5	-15~15.5	-15~15.5	-15~15.5
Sound Power (Nom)	Cooling		dB(A)	61	61	62	66
Sound Pressure (high)	Cooling		dB(A)	48			52
	Heating		dB(A)	49			52
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Piping Connection	Liquid (OD)/Gas		mm	3x6.4 / 9.5 2x12.7	4x6.4 / 2x3.5 2x14.7	4x6.4 / 9.5 12.7 2x15.9	5x6.4 / 2x9.5 12.7 2x15.9
Piping Length (Maximum)			m	60 (total) 25 (for 1 room)	60 (total) 25 (for 1 room)	70 (total) 25 (for 1 room)	75 (total) 25 (for 1 room)
Max Installation Height Difference			m	15			

Combination tables

Multi Inverter heat pump

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS40H	2.0	2.00	---	1.45	2.00	2.40	0.320	0.450	0.590	4.44	A	225
	2.5	2.50	---	1.45	2.50	3.00	0.320	0.620	0.820	4.03	A	310
	3.5	3.50	---	1.45	3.50	4.00	0.320	1.080	1.410	3.24	A	540
	2.0+2.0	2.00	2.00	1.65	4.00	4.10	0.300	1.090	1.130	3.67	A	545
	2.0+2.5	1.85	2.15	1.65	4.00	4.20	0.300	1.080	1.190	3.70	A	540
	2.0+3.5	1.75	2.25	1.65	4.00	4.40	0.300	1.060	1.310	3.77	A	530
	2.5+2.5	2.00	2.00	1.65	4.00	4.30	0.300	1.070	1.240	3.74	A	535
	2.5+3.5	1.80	2.20	1.65	4.00	4.50	0.300	1.050	1.350	3.81	A	525

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS40H	2.0	3.00	---	1.20	3.00	3.70	0.290	0.850	1.270	3.53	B
	2.5	3.40	---	1.20	3.40	4.10	0.290	1.060	1.520	3.21	C
	3.5	3.80	---	1.20	3.80	4.40	0.290	1.290	1.730	2.95	D
	2.0+2.0	2.10	2.10	1.50	4.20	4.60	0.270	1.010	1.170	4.16	A
	2.0+2.5	2.10	2.30	1.50	4.40	4.70	0.270	1.080	1.210	4.07	A
	2.0+3.5	2.00	2.40	1.50	4.40	4.70	0.260	1.060	1.190	4.15	A
	2.5+2.5	2.20	2.20	1.50	4.40	4.70	0.270	1.070	1.200	4.11	A
	2.5+3.5	2.05	2.35	1.50	4.40	4.70	0.260	1.050	1.180	4.19	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS50H	2.0	2.00	---	1.53	2.00	2.60	0.330	0.470	0.690	4.26	A	235
	2.5	2.50	---	1.53	2.50	3.10	0.330	0.660	0.920	3.79	A	330
	3.5	3.50	---	1.53	3.50	4.00	0.330	1.090	1.420	3.21	A	545
	4.2	4.20	---	1.55	4.20	4.70	0.330	1.530	2.050	2.75	D	765
	5.0	5.00	---	1.57	5.00	5.10	0.330	2.060	2.170	2.43	E	1,030
	2.0+2.0	2.00	2.00	1.81	4.00	4.90	0.330	1.050	1.530	3.81	A	525
	2.0+2.5	2.00	2.50	1.81	4.50	5.00	0.330	1.290	1.600	3.49	A	645
	2.0+3.5	1.82	3.18	1.81	5.00	5.30	0.330	1.560	1.760	3.21	A	780
	2.0+4.2	1.61	3.39	1.81	5.00	5.40	0.330	1.540	1.800	3.25	A	770
	2.0+5.0	1.43	3.57	1.81	5.00	5.40	0.330	1.470	1.720	3.40	A	735
	2.5+2.5	2.50	2.50	1.81	5.00	5.20	0.330	1.560	1.710	3.21	A	780
	2.5+3.5	2.08	2.92	1.81	5.00	5.30	0.330	1.530	1.760	3.27	A	765
	2.5+4.2	1.87	3.13	1.81	5.00	5.40	0.330	1.500	1.800	3.33	A	750
	2.5+5.0	1.67	3.33	1.81	5.00	5.40	0.330	1.470	1.730	3.40	A	735
	3.5+3.5	2.50	2.50	1.81	5.00	5.30	0.330	1.500	1.720	3.33	A	750
	3.5+4.2	2.27	2.73	1.81	5.00	5.40	0.330	1.470	1.770	3.40	A	735
	3.5+5.0	2.06	2.94	1.81	5.00	5.40	0.330	1.440	1.700	3.47	A	720
	4.2+4.2	2.50	2.50	1.81	5.00	5.40	0.330	1.440	1.730	3.47	A	720

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS50H	2.0	3.00	---	1.21	3.00	3.70	0.270	0.820	1.140	3.66	A
	2.5	3.40	---	1.21	3.40	4.10	0.250	0.980	1.330	3.47	B
	3.5	4.00	---	1.21	4.00	4.60	0.250	1.240	1.530	3.23	C
	4.2	4.70	---	1.21	4.70	5.10	0.250	1.560	1.770	3.01	D
	5.0	5.40	---	1.33	5.40	5.60	0.270	1.830	1.980	2.95	D
	2.0+2.0	2.65	2.65	1.28	5.30	5.70	0.240	1.340	1.530	3.96	A
	2.0+2.5	2.44	3.06	1.28	5.50	5.80	0.240	1.420	1.560	3.87	A
	2.0+3.5	2.04	3.56	1.34	5.60	5.90	0.250	1.440	1.570	3.89	A
	2.0+4.2	1.84	3.86	1.35	5.70	6.00	0.250	1.470	1.590	3.88	A
	2.0+5.0	1.63	4.07	1.39	5.70	6.20	0.250	1.370	1.610	4.16	A
	2.5+2.5	2.80	2.80	1.28	5.60	5.80	0.240	1.450	1.550	3.86	A
	2.5+3.5	2.38	3.32	1.34	5.70	6.00	0.250	1.480	1.640	3.85	A
	2.5+4.2	2.13	3.57	1.35	5.70	6.10	0.250	1.450	1.660	3.93	A
	2.5+5.0	1.90	3.80	1.45	5.70	6.30	0.260	1.360	1.650	4.19	A
	3.5+3.5	2.85	2.85	1.40	5.70	6.10	0.250	1.460	1.650	3.90	A
	3.5+4.2	2.59	3.11	1.41	5.70	6.20	0.250	1.420	1.660	4.01	A
	3.5+5.0	2.35	3.35	1.45	5.70	6.40	0.250	1.350	1.650	4.22	A
	4.2+4.2	2.85	2.85	1.42	5.70	6.30	0.250	1.400	1.680	4.07	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT COOLING (W)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
3MXS52E	2.0	2.00	---	---	1.76	2.00	2.84	350	460	740	4.35	A	230
	2.5	2.50	---	---	1.76	2.50	3.12	350	620	880	4.03	A	310
	3.5	3.50	---	---	1.76	3.50	4.18	350	970	1290	3.61	A	485
	4.2	4.20	---	---	1.76	4.20	4.70	350	1240	1640	3.39	A	620
	5.0	5.00	---	---	1.79	5.00	5.40	350	1750	2030	2.86	C	875
	2.0+2.0	2.00	2.00	---	1.88	4.00	5.96	350	950	1910	4.21	A	475
	2.0+2.5	2.00	2.50	---	1.88	4.50	6.23	350	1180	2140	3.81	A	590
	2.0+3.5	1.89	3.31	---	1.88	5.20	6.24	350	1550	2070	3.35	A	775
	2.0+4.2	1.68	3.52	---	1.88	5.20	6.25	350	1550	2070	3.35	A	775
	2.0+5.0	1.49	3.71	---	1.88	5.20	6.47	350	1420	2150	3.66	A	710
	2.5+2.5	2.50	2.50	---	1.88	5.00	6.23	350	1450	2140	3.45	A	725
	2.5+3.5	2.17	3.03	---	1.88	5.20	6.35	350	1550	2250	3.35	A	775
	2.5+4.2	1.94	3.26	---	1.88	5.20	6.36	350	1550	2250	3.35	A	775
	2.5+5.0	1.73	3.47	---	1.88	5.20	6.47	350	1420	2070	3.66	A	710
	3.5+3.5	2.60	2.60	---	1.88	5.20	6.40	350	1550	2250	3.35	A	775
	3.5+4.2	2.36	2.84	---	1.88	5.20	6.41	350	1550	2250	3.35	A	775
	3.5+5.0	2.14	3.06	---	1.88	5.20	6.49	350	1420	2090	3.66	A	710
	4.2+4.2	2.60	2.60	---	1.88	5.20	6.42	350	1550	2250	3.35	A	775
	2.0+2.0+2.0	1.73	1.73	1.73	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.0+2.5	1.60	1.60	1.99	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.0+3.5	1.38	1.38	2.43	1.95	5.19	7.06	370	1240	2160	4.19	A	620
	2.0+2.0+4.2	1.27	1.27	2.66	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.0+2.0+5.0	1.16	1.16	2.88	2.11	5.20	7.30	380	1220	2260	4.26	A	610
	2.0+2.5+2.5	1.49	1.85	1.85	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.5+3.5	1.30	1.63	2.27	1.95	5.20	7.06	370	1240	2160	4.19	A	620
	2.0+2.5+4.2	1.20	1.49	2.51	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.0+3.5+3.5	1.16	2.02	2.02	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.5+2.5+2.5	1.73	1.73	1.73	1.95	5.19	7.04	370	1240	2160	4.19	A	620
	2.5+2.5+3.5	1.53	1.53	2.14	1.95	5.20	7.06	370	1230	2160	4.23	A	615

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT HEATING (W)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
3MXS52E	2.0	2.72	---	---	1.21	2.72	3.75	300	720	1200	3.78	A
	2.5	3.40	---	---	1.21	3.40	4.00	300	990	1260	3.43	B
	3.5	4.20	---	---	1.21	4.20	4.82	300	1390	1680	3.02	D
	4.2	4.70	---	---	1.21	4.70	5.87	300	1700	2400	2.76	E
	5.0	5.80	---	---	1.33	5.80	6.79	300	2160	2590	2.69	E
	2.0+2.0	3.05	3.05	---	1.28	6.10	7.00	310	1700	2280	3.59	B
	2.0+2.5	2.78	3.47	---	1.28	6.25	7.00	310	1750	2280	3.57	B
	2.0+3.5	2.38	4.17	---	1.34	6.55	7.04	310	1860	2280	3.52	B
	2.0+4.2	2.16	4.54	---	1.34	6.70	7.05	310	1930	2270	3.47	B
	2.0+5.0	1.94	4.86	---	1.39	6.80	7.20	310	1870	2320	3.64	A
	2.5+2.5	3.25	3.25	---	1.28	6.50	7.00	310	1860	2310	3.49	B
	2.5+3.5	2.79	3.91	---	1.34	6.70	7.19	310	1930	2360	3.47	B
	2.5+4.2	2.54	4.26	---	1.34	6.80	7.21	310	1930	2350	3.52	B
	2.5+5.0	2.27	4.53	---	1.45	6.80	7.35	310	1870	2320	3.64	A
	3.5+3.5	3.40	3.40	---	1.40	6.80	7.22	310	1970	2350	3.45	B
	3.5+4.2	3.09	3.71	---	1.40	6.80	7.24	310	1970	2350	3.45	B
	3.5+5.0	2.80	4.00	---	1.45	6.80	7.50	310	1830	2310	3.72	A
	4.2+4.2	3.40	3.40	---	1.40	6.80	7.26	310	1960	2340	3.47	B
	2.0+2.0+2.0	2.26	2.26	2.26	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.0+2.5	2.09	2.09	2.60	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.0+3.5	1.80	1.80	3.18	1.45	6.78	8.05	320	1560	2140	4.35	A
	2.0+2.0+4.2	1.66	1.66	3.48	1.45	6.80	8.06	320	1560	2140	4.36	A
	2.0+2.0+5.0	1.51	1.51	3.78	1.67	6.80	8.27	320	1640	2110	4.15	A
	2.0+2.5+2.5	1.94	2.42	2.42	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.5+3.5	1.70	2.13	2.97	1.57	6.80	8.05	320	1560	2140	4.36	A
	2.0+2.5+4.2	1.56	1.95	3.28	1.56	6.80	8.06	320	1560	2140	4.36	A
	2.0+3.5+3.5	1.52	2.64	2.64	1.56	6.80	8.08	320	1560	2140	4.36	A
	2.5+2.5+2.5	2.26	2.26	2.26	1.45	6.78	8.02	320	1570	2140	4.32	A
	2.5+2.5+3.5	2.00	2.00	2.80	1.57	6.80	8.05	320	1560	2140	4.36	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
3MXS68G	2.0	2.00	---	---	1.95	2.00	2.63	0.440	0.470	0.620	4.26	A	235
	2.5	2.50	---	---	1.95	2.50	3.37	0.460	0.590	0.850	4.24	A	295
	3.5	3.50	---	---	1.95	3.50	4.76	0.470	0.910	1.470	3.85	A	455
	4.2	4.20	---	---	1.95	4.20	5.02	0.470	1.210	1.620	3.47	A	605
	5.0	5.00	---	---	1.96	5.00	5.91	0.450	1.710	2.200	2.92	C	855
	6.0	6.00	---	---	1.96	6.00	6.38	0.440	2.050	2.320	2.93	C	1,025
	2.0+2.0	2.00	2.00	---	1.97	4.00	5.02	0.430	1.000	1.450	4.00	A	500
	2.0+2.5	2.00	2.50	---	1.97	4.50	5.33	0.430	1.200	1.610	3.75	A	600
	2.0+3.5	2.00	3.50	---	1.97	5.50	6.18	0.420	1.660	2.150	3.31	A	830
	2.0+4.2	2.00	4.20	---	1.97	6.20	6.38	0.420	2.090	2.300	2.97	C	1,045
	2.0+5.0	1.94	4.86	---	1.97	6.80	7.12	0.410	2.410	2.650	2.82	C	1,205
	2.0+6.0	1.70	5.10	---	1.98	6.80	7.56	0.400	2.210	2.750	3.08	B	1,105
	2.5+2.5	2.50	2.50	---	1.97	5.00	5.98	0.450	1.460	2.000	3.42	A	730
	2.5+3.5	2.50	3.50	---	1.97	6.00	6.44	0.430	2.060	2.370	2.91	C	1,030
	2.5+4.2	2.50	4.20	---	1.97	6.70	6.81	0.430	2.540	2.670	2.64	D	1,270
	2.5+5.0	2.27	4.53	---	1.97	6.80	7.23	0.400	2.410	2.750	2.82	C	1,205
	2.5+6.0	2.00	4.80	---	1.98	6.80	7.56	0.380	2.210	2.750	3.08	B	1,105
	3.5+3.5	3.40	3.40	---	1.97	6.80	6.99	0.410	2.510	2.660	2.71	D	1,255
	3.5+4.2	3.09	3.71	---	1.97	6.80	7.10	0.410	2.510	2.760	2.71	D	1,255
	3.5+5.0	2.80	4.00	---	1.97	6.80	7.61	0.380	2.410	3.120	2.82	C	1,205
	3.5+6.0	2.51	4.29	---	2.28	6.80	7.91	0.430	2.210	3.060	3.08	B	1,105
	4.2+4.2	3.40	3.40	---	1.97	6.80	7.00	0.410	2.510	2.660	2.71	D	1,255
	4.2+5.0	3.10	3.70	---	1.97	6.80	7.62	0.380	2.410	3.120	2.82	C	1,205
	4.2+6.0	2.80	4.00	---	2.28	6.80	7.92	0.430	2.210	3.060	3.08	B	1,105
	5.0+5.0	3.40	3.40	---	2.36	6.80	8.06	0.470	2.310	3.350	2.94	C	1,155
	5.0+6.0	3.09	3.71	---	2.49	6.80	8.28	0.480	2.120	3.280	3.21	A	1,060
	2.0+2.0+2.0	2.00	2.00	2.00	1.98	6.00	6.51	0.420	1.640	1.890	3.66	A	820
	2.0+2.0+2.5	2.00	2.00	2.50	1.98	6.50	6.89	0.420	1.890	2.120	3.44	A	945
	2.0+2.0+3.5	1.81	1.81	3.18	1.98	6.80	7.25	0.410	2.070	2.350	3.29	A	1,035
	2.0+2.0+4.2	1.66	1.66	3.48	1.98	6.80	7.46	0.410	2.070	2.500	3.29	A	1,035
	2.0+2.0+5.0	1.51	1.51	3.78	1.98	6.80	7.85	0.390	2.020	2.690	3.37	A	1,010
	2.0+2.0+6.0	1.36	1.36	4.08	2.33	6.80	8.11	0.440	1.830	2.640	3.72	A	915
	2.0+2.5+2.5	1.94	2.43	2.43	1.98	6.80	7.10	0.410	2.070	2.260	3.29	A	1,035
	2.0+2.5+3.5	1.70	2.13	2.97	1.98	6.80	7.59	0.390	2.070	2.590	3.29	A	1,035
	2.0+2.5+4.2	1.56	1.95	3.29	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.0+2.5+5.0	1.43	1.79	3.58	1.98	6.80	7.92	0.390	2.020	2.740	3.37	A	1,010
	2.0+2.5+6.0	1.30	1.62	3.88	2.33	6.80	8.38	0.450	1.830	2.840	3.72	A	915
	2.0+3.5+3.5	1.52	2.64	2.64	1.98	6.80	7.91	0.400	2.070	2.850	3.29	A	1,035
	2.0+3.5+4.2	1.40	2.45	2.95	1.98	6.80	8.09	0.400	2.070	3.010	3.29	A	1,035
	2.0+3.5+5.0	1.30	2.27	3.23	2.30	6.80	8.41	0.440	2.020	3.170	3.37	A	1,010
	2.0+4.2+4.2	1.30	2.75	2.75	1.98	6.80	8.21	0.400	2.070	3.110	3.29	A	1,035
	2.5+2.5+2.5	2.26	2.26	2.26	1.98	6.78	7.38	0.410	2.070	2.450	3.28	A	1,035
	2.5+2.5+3.5	2.00	2.00	2.80	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.5+2.5+4.2	1.85	1.85	3.10	1.98	6.80	7.96	0.390	2.070	2.900	3.29	A	1,035
	2.5+2.5+5.0	1.70	1.70	3.40	2.30	6.80	8.28	0.440	2.020	3.060	3.37	A	1,010
	2.5+2.5+6.0	1.55	1.55	3.70	2.44	6.80	8.57	0.440	1.830	3.000	3.72	A	915
	2.5+3.5+3.5	1.78	2.51	2.51	2.29	6.80	8.14	0.440	2.070	3.060	3.29	A	1,035
	2.5+3.5+4.2	1.67	2.33	2.80	2.29	6.80	8.26	0.440	2.070	3.170	3.29	A	1,035
	2.5+3.5+5.0	1.55	2.16	3.09	2.51	6.80	8.57	0.460	1.980	3.330	3.43	A	990
	2.5+4.2+4.2	1.56	2.62	2.62	2.29	6.80	8.32	0.440	2.070	3.220	3.29	A	1,035
	3.5+3.5+3.5	2.26	2.26	2.26	2.40	6.78	8.42	0.430	2.070	3.330	3.28	A	1,035

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
3MXS68G	2.0	2.72	---	---	1.51	2.72	3.93	0.440	0.740	1.270	3.68	A
	2.5	3.40	---	---	1.47	3.40	4.13	0.430	1.030	1.370	3.30	C
	3.5	4.30	---	---	1.48	4.30	4.52	0.410	1.420	1.610	3.03	D
	4.2	4.50	---	---	1.48	4.50	4.71	0.410	1.510	1.720	2.98	D
	5.0	5.60	---	---	1.65	5.60	5.76	0.390	2.130	2.260	2.63	E
	6.0	7.90	---	---	1.92	7.90	8.57	0.410	2.650	2.920	2.98	D
	2.0+2.0	3.25	3.25	---	1.62	6.50	7.64	0.380	1.870	2.250	3.48	B
	2.0+2.5	3.04	3.81	---	1.62	6.85	7.81	0.380	2.050	2.330	3.34	C
	2.0+3.5	2.71	4.74	---	1.76	7.45	8.34	0.390	2.340	2.640	3.18	D
	2.0+4.2	2.58	5.42	---	1.76	8.00	8.68	0.390	2.640	2.890	3.03	D
	2.0+5.0	2.46	6.14	---	2.14	8.60	10.15	0.480	2.800	3.260	3.07	D
	2.0+6.0	2.15	6.45	---	2.41	8.60	10.34	0.510	2.430	2.980	3.54	B
	2.5+2.5	3.60	3.60	---	1.62	7.20	8.16	0.380	2.240	2.560	3.21	C
	2.5+3.5	3.29	4.61	---	1.85	7.90	8.68	0.400	2.580	2.890	3.06	D
	2.5+4.2	3.10	5.20	---	1.85	8.30	8.93	0.400	2.800	3.070	2.96	D
	2.5+5.0	2.87	5.73	---	2.23	8.60	10.27	0.490	2.800	3.360	3.07	D
	2.5+6.0	2.53	6.07	---	2.50	8.60	10.46	0.530	2.430	3.010	3.54	B
	3.5+3.5	4.30	4.30	---	2.13	8.60	9.02	0.450	2.930	3.110	2.94	D
	3.5+4.2	3.91	4.69	---	2.13	8.60	9.11	0.450	2.920	3.160	2.95	D
	3.5+5.0	3.54	5.06	---	2.51	8.60	10.48	0.540	2.790	3.400	3.08	D
	3.5+6.0	3.17	5.43	---	2.69	8.60	10.59	0.550	2.420	3.000	3.55	B
	4.2+4.2	4.30	4.30	---	2.13	8.60	9.19	0.450	2.920	3.200	2.95	D
	4.2+5.0	3.93	4.67	---	2.51	8.60	10.49	0.540	2.790	3.470	3.08	D
	4.2+6.0	3.54	5.06	---	2.69	8.60	10.60	0.540	2.420	3.030	3.55	B
	5.0+5.0	4.30	4.30	---	2.88	8.60	10.67	0.630	2.700	3.380	3.19	D
	5.0+6.0	3.91	4.69	---	3.08	8.60	10.66	0.640	2.390	2.960	3.60	B
	2.0+2.0+2.0	2.63	2.63	2.63	1.97	7.89	10.04	0.440	2.050	2.700	3.85	A
	2.0+2.0+2.5	2.54	2.54	3.17	2.06	8.25	10.12	0.450	2.180	2.740	3.78	A
	2.0+2.0+3.5	2.29	2.29	4.02	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+4.2	2.10	2.10	4.40	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+5.0	1.91	1.91	4.78	2.66	8.60	10.40	0.580	2.340	2.960	3.68	A
	2.0+2.0+6.0	1.72	1.72	5.16	2.87	8.60	10.53	0.580	2.120	2.670	4.06	A
	2.0+2.5+2.5	2.46	3.07	3.07	2.16	8.60	10.13	0.460	2.350	2.840	3.66	A
	2.0+2.5+3.5	2.15	2.69	3.76	2.35	8.60	10.22	0.490	2.340	2.880	3.68	A
	2.0+2.5+4.2	1.98	2.47	4.15	2.36	8.60	10.23	0.490	2.340	2.870	3.68	A
	2.0+2.5+5.0	1.81	2.26	4.53	2.75	8.60	10.63	0.600	2.320	2.990	3.71	A
	2.0+2.5+6.0	1.64	2.05	4.91	2.96	8.60	10.64	0.600	2.100	2.640	4.10	A
	2.0+3.5+3.5	1.92	3.34	3.34	2.64	8.60	10.35	0.550	2.310	2.930	3.72	A
	2.0+3.5+4.2	1.77	3.10	3.72	2.64	8.60	10.35	0.550	2.310	2.920	3.72	A
	2.0+3.5+5.0	1.64	2.87	4.09	2.94	8.60	10.68	0.620	2.290	3.060	3.76	A
	2.0+4.2+4.2	1.65	3.47	3.47	2.64	8.60	10.36	0.550	2.310	2.920	3.72	A
	2.5+2.5+2.5	2.86	2.86	2.86	2.26	8.58	10.24	0.480	2.350	2.870	3.65	A
	2.5+2.5+3.5	2.53	2.53	3.54	2.45	8.60	10.45	0.510	2.340	2.960	3.68	A
	2.5+2.5+4.2	2.34	2.34	3.93	2.45	8.60	10.46	0.510	2.340	2.960	3.68	A
	2.5+2.5+5.0	2.15	2.15	4.30	2.85	8.60	10.64	0.620	2.290	3.020	3.76	A
	2.5+2.5+6.0	1.95	1.95	4.70	3.06	8.60	10.65	0.620	2.080	2.640	4.13	A
	2.5+3.5+3.5	2.26	3.17	3.17	2.73	8.60	10.58	0.560	2.310	2.960	3.72	A
	2.5+3.5+4.2	2.11	2.95	3.54	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	2.5+3.5+5.0	1.95	2.74	3.91	3.13	8.60	10.65	0.640	2.290	2.980	3.76	A
	2.5+4.2+4.2	1.97	3.31	3.31	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	3.5+3.5+3.5	2.86	2.86	2.86	2.92	8.58	10.63	0.610	2.290	3.030	3.75	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS68F	2.0	2.00	---	---	---	1.95	2.00	2.63	0.440	0.470	0.620	4.26	A	235
	2.5	2.50	---	---	---	1.95	2.50	3.37	0.460	0.590	0.850	4.24	A	295
	3.5	3.50	---	---	---	1.95	3.50	4.76	0.470	0.910	1.470	3.85	A	455
	4.2	4.20	---	---	---	1.95	4.20	5.02	0.470	1.210	1.620	3.47	A	605
	5.0	5.00	---	---	---	1.96	5.00	5.91	0.450	1.710	2.200	2.92	C	855
	6.0	6.00	---	---	---	1.96	6.00	6.38	0.440	2.050	2.320	2.93	C	1,025
	2.0+2.0	2.00	2.00	---	---	1.97	4.00	5.02	0.430	1.000	1.450	4.00	A	500
	2.0+2.5	2.00	2.50	---	---	1.97	4.50	5.33	0.430	1.200	1.610	3.75	A	600
	2.0+3.5	2.00	3.50	---	---	1.97	5.50	6.18	0.420	1.660	2.150	3.31	A	830
	2.0+4.2	2.00	4.20	---	---	1.97	6.20	6.38	0.420	2.090	2.300	2.97	C	1,045
	2.0+5.0	1.94	4.86	---	---	1.97	6.80	7.12	0.410	2.410	2.650	2.82	C	1,205
	2.0+6.0	1.70	5.10	---	---	1.98	6.80	7.56	0.400	2.210	2.750	3.08	B	1,105
	2.5+2.5	2.50	2.50	---	---	1.97	5.00	5.98	0.450	1.460	2.000	3.42	A	730
	2.5+3.5	2.50	3.50	---	---	1.97	6.00	6.44	0.430	2.060	2.370	2.91	C	1,030
	2.5+4.2	2.50	4.20	---	---	1.97	6.70	6.81	0.430	2.540	2.670	2.64	D	1,270
	2.5+5.0	2.27	4.53	---	---	1.97	6.80	7.23	0.400	2.410	2.750	2.82	C	1,205
	2.5+6.0	2.00	4.80	---	---	1.98	6.80	7.56	0.380	2.210	2.750	3.08	B	1,105
	3.5+3.5	3.40	3.40	---	---	1.97	6.80	6.99	0.410	2.510	2.660	2.71	D	1,255
	3.5+4.2	3.09	3.71	---	---	1.97	6.80	7.10	0.410	2.510	2.760	2.71	D	1,255
	3.5+5.0	2.80	4.00	---	---	1.97	6.80	7.61	0.380	2.410	3.120	2.82	C	1,205
	3.5+6.0	2.51	4.29	---	---	2.28	6.80	7.91	0.430	2.210	3.060	3.08	B	1,105
	4.2+4.2	3.40	3.40	---	---	1.97	6.80	7.00	0.410	2.510	2.660	2.71	D	1,255
	4.2+5.0	3.10	3.70	---	---	1.97	6.80	7.62	0.380	2.410	3.120	2.82	C	1,205
	4.2+6.0	2.80	4.00	---	---	2.28	6.80	7.92	0.430	2.210	3.060	3.06	B	1,105
	5.0+5.0	3.40	3.40	---	---	2.36	6.80	8.06	0.470	2.310	3.350	2.94	C	1,155
	5.0+6.0	3.09	3.71	---	---	2.49	6.80	8.28	0.480	2.120	3.280	3.21	A	1,060
	2.0+2.0+2.0	2.00	2.00	2.00	---	1.98	6.00	6.51	0.420	1.640	1.890	3.66	A	820
	2.0+2.0+2.5	2.00	2.00	2.50	---	1.98	6.50	6.89	0.420	1.890	2.120	3.44	A	945
	2.0+2.0+3.5	1.81	1.81	3.18	---	1.98	6.80	7.25	0.410	2.070	2.350	3.29	A	1,035
	2.0+2.0+4.2	1.66	1.66	3.48	---	1.98	6.80	7.46	0.410	2.070	2.500	3.29	A	1,035
	2.0+2.0+5.0	1.51	1.51	3.78	---	1.98	6.80	7.85	0.390	2.020	2.690	3.37	A	1,010
	2.0+2.0+6.0	1.36	1.36	4.08	---	2.33	6.80	8.11	0.440	1.830	2.640	3.72	A	915
	2.0+2.5+2.5	1.94	2.43	2.43	---	1.98	6.80	7.10	0.410	2.070	2.260	3.29	A	1,035
	2.0+2.5+3.5	1.70	2.13	2.97	---	1.98	6.80	7.59	0.390	2.070	2.590	3.29	A	1,035
	2.0+2.5+4.2	1.56	1.95	3.29	---	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.0+2.5+5.0	1.43	1.79	3.58	---	1.98	6.80	7.92	0.390	2.020	2.740	3.37	A	1,010
	2.0+2.5+6.0	1.30	1.62	3.88	---	2.33	6.80	8.38	0.450	1.830	2.840	3.72	A	915
	2.0+3.5+3.5	1.52	2.64	2.64	---	1.98	6.80	7.91	0.400	2.070	2.850	3.29	A	1,035
	2.0+3.5+4.2	1.40	2.45	2.95	---	1.98	6.80	8.09	0.400	2.070	3.010	3.29	A	1,035
	2.0+3.5+5.0	1.30	2.27	3.23	---	2.30	6.80	8.41	0.440	2.020	3.170	3.37	A	1,010
	2.0+4.2+4.2	1.30	2.75	2.75	---	1.98	6.80	8.21	0.400	2.070	3.110	3.29	A	1,035
	2.5+2.5+2.5	2.26	2.26	2.26	---	1.98	6.78	7.38	0.410	2.070	2.450	3.28	A	1,035
	2.5+2.5+3.5	2.00	2.00	2.80	---	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.5+2.5+4.2	1.85	1.85	3.10	---	1.98	6.80	7.96	0.390	2.070	2.900	3.29	A	1,035
	2.5+2.5+5.0	1.70	1.70	3.40	---	2.30	6.80	8.28	0.440	2.020	3.060	3.37	A	1,010
	2.5+2.5+6.0	1.55	1.55	3.70	---	2.44	6.80	8.57	0.440	1.830	3.000	3.72	A	915
	2.5+3.5+3.5	1.78	2.51	2.51	---	2.29	6.80	8.14	0.440	2.070	3.060	3.29	A	1,035
	2.5+3.5+4.2	1.67	2.33	2.80	---	2.29	6.80	8.26	0.440	2.070	3.170	3.29	A	1,035
	2.5+3.5+5.0	1.55	2.16	3.09	---	2.51	6.80	8.57	0.460	1.980	3.330	3.43	A	990
	2.5+4.2+4.2	1.56	2.62	2.62	---	2.29	6.80	8.32	0.440	2.070	3.220	3.29	A	1,035
	3.5+3.5+3.5	2.26	2.26	2.26	---	2.40	6.78	8.42	0.430	2.070	3.330	3.28	A	1,035
	2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.99	6.80	7.63	0.410	1.750	2.190	3.89	A	875
	2.0+2.0+2.0+2.5	1.60	1.60	1.60	2.00	1.99	6.80	7.79	0.390	1.730	2.290	3.93	A	865
	2.0+2.0+2.0+3.5	1.43	1.43	1.43	2.51	1.99	6.80	8.17	0.400	1.710	2.530	3.98	A	855
	2.0+2.0+2.0+4.2	1.33	1.33	1.33	2.81	1.99	6.80	8.32	0.400	1.710	2.630	3.98	A	855
	2.0+2.0+2.0+5.0	1.24	1.24	1.24	3.08	2.47	6.80	8.74	0.460	1.670	2.930	4,07	A	835
	2.0+2.0+2.5+2.5	1.51	1.51	1.89	1.89	1.99	6.80	7.94	0.400	1.750	2.380	3.89	A	875
	2.0+2.0+2.5+3.5	1.36	1.36	1.70	2.38	2.34	6.80	8.32	0.450	1.730	2.630	3.93	A	865
	2.0+2.0+2.5+4.2	1.27	1.27	1.59	2.67	2.34	6.80	8.47	0.450	1.730	2.740	3.93	A	865
	2.0+2.0+3.5+3.5	1.24	1.24	2.16	2.16	2.46	6.80	8.61	0.450	1.710	2.840	3.98	A	855
	2.0+2.5+2.5+2.5	1.43	1.79	1.79	1.79	1.99	6.80	8.17	0.400	1.750	2.530	3.89	A	875
	2.0+2.5+2.5+3.5	1.30	1.62	1.62	2.26	2.34	6.80	8.46	0.450	1.730	2.740	3.93	A	865
	2.5+2.5+2.5+2.5	1.70	1.70	1.70	1.70	2.34	6.80	8.39	0.460	1.710	2.680	3.98	A	855
	2.5+2.5+2.5+3.5	1.55	1.55	1.55	2.15	2.46	6.80	8.73	0.460	1.700	2.950	4.00	A	850

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS68F	2.0	2.72	---	---	---	1.51	2.72	3.93	0.440	0.740	1.270	3.68	A
	2.5	3.40	---	---	---	1.47	3.40	4.13	0.430	1.030	1.370	3.30	C
	3.5	4.30	---	---	---	1.48	4.30	4.52	0.410	1.420	1.610	3.03	D
	4.2	4.50	---	---	---	1.48	4.50	4.71	0.410	1.510	1.720	2.98	D
	5.0	5.60	---	---	---	1.65	5.60	5.76	0.390	2.130	2.260	2.63	E
	6.0	7.90	---	---	---	1.92	7.90	8.57	0.410	2.650	2.920	2.98	D
	2.0+2.0	3.25	3.25	---	---	1.62	6.50	7.64	0.380	1.870	2.250	3.48	B
	2.0+2.5	3.04	3.81	---	---	1.62	6.85	7.81	0.380	2.050	2.330	3.34	C
	2.0+3.5	2.71	4.74	---	---	1.76	7.45	8.34	0.390	2.340	2.640	3.18	D
	2.0+4.2	2.58	5.42	---	---	1.76	8.00	8.68	0.390	2.640	2.890	3.03	D
	2.0+5.0	2.46	6.14	---	---	2.14	8.60	10.15	0.480	2.800	3.260	3.07	D
	2.0+6.0	2.15	6.45	---	---	2.41	8.60	10.34	0.510	2.430	2.980	3.54	B
	2.5+2.5	3.60	3.60	---	---	1.62	7.20	8.16	0.380	2.240	2.560	3.21	C
	2.5+3.5	3.29	4.61	---	---	1.85	7.90	8.68	0.400	2.580	2.890	3.06	D
	2.5+4.2	3.10	5.20	---	---	1.85	8.30	8.93	0.400	2.800	3.070	2.96	D
	2.5+5.0	2.87	5.73	---	---	2.23	8.60	10.27	0.490	2.800	3.360	3.07	D
	2.5+6.0	2.53	6.07	---	---	2.50	8.60	10.46	0.530	2.430	3.010	3.54	B
	3.5+3.5	4.30	4.30	---	---	2.13	8.60	9.02	0.450	2.930	3.110	2.94	D
	3.5+4.2	3.91	4.69	---	---	2.13	8.60	9.11	0.450	2.920	3.160	2.95	D
	3.5+5.0	3.54	5.06	---	---	2.51	8.60	10.48	0.540	2.790	3.400	3.08	D
	3.5+6.0	3.17	5.43	---	---	2.69	8.60	10.59	0.550	2.420	3.000	3.55	B
	4.2+4.2	4.30	4.30	---	---	2.13	8.60	9.19	0.450	2.920	3.200	2.95	D
	4.2+5.0	3.93	4.67	---	---	2.51	8.60	10.49	0.540	2.790	3.470	3.08	D
	4.2+6.0	3.54	5.06	---	---	2.69	8.60	10.60	0.540	2.420	3.030	3.55	B
	5.0+5.0	4.30	4.30	---	---	2.88	8.60	10.67	0.630	2.700	3.380	3.19	D
	5.0+6.0	3.91	4.69	---	---	3.08	8.60	10.66	0.640	2.390	2.960	3.60	B
	2.0+2.0+2.0	2.63	2.63	2.63	---	1.97	7.89	10.04	0.440	2.050	2.700	3.85	A
	2.0+2.0+2.5	2.54	2.54	3.17	---	2.06	8.25	10.12	0.450	2.180	2.740	3.78	A
	2.0+2.0+3.5	2.29	2.29	4.02	---	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+4.2	2.10	2.10	4.40	---	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+5.0	1.91	1.91	4.78	---	2.66	8.60	10.40	0.580	2.340	2.960	3.68	A
	2.0+2.0+6.0	1.72	1.72	5.16	---	2.87	8.60	10.53	0.580	2.120	2.670	4.06	A
	2.0+2.5+2.5	2.46	3.07	3.07	---	2.16	8.60	10.13	0.460	2.350	2.840	3.66	A
	2.0+2.5+3.5	2.15	2.69	3.76	---	2.35	8.60	10.22	0.490	2.340	2.880	3.68	A
	2.0+2.5+4.2	1.98	2.47	4.15	---	2.36	8.60	10.23	0.490	2.340	2.870	3.68	A
	2.0+2.5+5.0	1.81	2.26	4.53	---	2.75	8.60	10.63	0.600	2.320	2.990	3.71	A
	2.0+2.5+6.0	1.64	2.05	4.91	---	2.96	8.60	10.64	0.600	2.100	2.640	4.10	A
	2.0+3.5+3.5	1.92	3.34	3.34	---	2.64	8.60	10.35	0.550	2.310	2.930	3.72	A
	2.0+3.5+4.2	1.77	3.10	3.72	---	2.64	8.60	10.35	0.550	2.310	2.920	3.72	A
	2.0+3.5+5.0	1.64	2.87	4.09	---	2.94	8.60	10.68	0.620	2.290	3.060	3.76	A
	2.0+4.2+4.2	1.65	3.47	3.47	---	2.64	8.60	10.36	0.550	2.310	2.920	3.72	A
	2.5+2.5+2.5	2.86	2.86	2.86	---	2.26	8.58	10.24	0.480	2.350	2.870	3.65	A
	2.5+2.5+3.5	2.53	2.53	3.54	---	2.45	8.60	10.45	0.510	2.340	2.960	3.68	A
	2.5+2.5+4.2	2.34	2.34	3.93	---	2.45	8.60	10.46	0.510	2.340	2.960	3.68	A
	2.5+2.5+5.0	2.15	2.15	4.30	---	2.85	8.60	10.64	0.620	2.290	3.020	3.76	A
	2.5+2.5+6.0	1.95	1.95	4.70	---	3.06	8.60	10.65	0.620	2.080	2.640	4.13	A
	2.5+3.5+3.5	2.26	3.17	3.17	---	2.73	8.60	10.58	0.560	2.310	2.960	3.72	A
	2.5+3.5+4.2	2.11	2.95	3.54	---	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	2.5+3.5+5.0	1.95	2.74	3.91	---	3.13	8.60	10.65	0.640	2.290	2.980	3.76	A
	2.5+4.2+4.2	1.97	3.31	3.31	---	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	3.5+3.5+3.5	2.86	2.86	2.86	---	2.92	8.58	10.63	0.610	2.290	3.030	3.75	A
	2.0+2.0+2.0+2.0	2.15	2.15	2.15	2.15	2.42	8.60	10.39	0.520	1.910	2.610	4.50	A
	2.0+2.0+2.0+2.5	2.02	2.02	2.02	2.54	2.52	8.60	10.48	0.530	1.910	2.570	4.50	A
	2.0+2.0+2.0+3.5	1.81	1.81	1.81	3.17	2.72	8.60	10.58	0.570	1.900	2.630	4.53	A
	2.0+2.0+2.0+4.2	1.69	1.69	1.69	3.54	2.73	8.60	10.59	0.560	1.900	2.630	4.53	A
	2.0+2.0+2.0+5.0	1.56	1.56	1.56	3.92	3.04	8.60	10.65	0.630	1.860	2.540	4.62	A
	2.0+2.0+2.5+2.5	1.91	1.91	2.39	2.39	2.62	8.60	10.49	0.550	1.910	2.570	4.50	A
	2.0+2.0+2.5+3.5	1.72	1.72	2.15	3.01	2.92	8.60	10.59	0.600	1.900	2.630	4.53	A
	2.0+2.0+2.5+4.2	1.61	1.61	2.01	3.38	2.92	8.60	10.59	0.600	1.900	2.630	4.53	A
	2.0+2.0+3.5+3.5	1.56	1.56	2.74	2.74	3.12	8.60	10.69	0.650	1.900	2.660	4.53	A
	2.0+2.5+2.5+2.5	1.82	2.26	2.26	2.26	2.72	8.60	10.49	0.570	1.910	2.570	4.50	A
	2.0+2.5+2.5+3.5	1.64	2.05	2.05	2.86	3.02	8.60	10.68	0.630	1.900	2.670	4.53	A
	2.5+2.5+2.5+2.5	2.15	2.15	2.15	2.15	2.82	8.60	10.67	0.570	1.910	2.590	4.50	A
	2.5+2.5+2.5+3.5	1.95	1.95	1.95	2.75	3.12	8.60	10.68	0.640	1.810	2.580	4.75	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0	2.00	---	---	---	1.80	2.00	2.99	0.45	0.61	1.10	3.28	A	305
	2.5	2.50	---	---	---	1.87	2.50	3.52	0.49	0.78	1.33	3.21	A	390
	3.5	3.50	---	---	---	1.91	3.50	4.80	0.49	1.19	1.82	2.94	C	595
	4.2	4.20	---	---	---	1.99	4.20	5.26	0.53	1.52	1.92	2.76	D	760
	5.0	5.00	---	---	---	2.07	5.00	5.70	0.49	1.82	2.08	2.75	D	910
	6.0	6.00	---	---	---	2.17	6.00	6.60	0.50	1.99	2.38	3.02	B	995
	7.1	7.10	---	---	---	2.28	7.10	7.37	0.50	2.69	2.88	2.64	D	1,345
	2.0+2.0	2.00	2.00	---	---	1.97	4.00	5.30	0.50	1.23	1.67	3.25	A	615
	2.0+2.5	2.00	2.50	---	---	2.02	4.50	5.73	0.50	1.38	1.77	3.26	A	690
	2.0+3.5	2.00	3.50	---	---	2.12	5.50	6.31	0.50	1.77	2.44	3.11	B	885
	2.0+4.2	2.00	4.20	---	---	2.19	6.20	7.13	0.50	2.21	2.56	2.81	C	1,105
	2.0+5.0	2.00	5.00	---		2.27	7.00	7.30	0.51	2.51	2.76	2.79	D	1,255
	2.0+6.0	1.83	5.48	---	---	2.41	7.31	7.90	0.55	2.48	2.87	2.95	C	1,240
	2.0+7.1	1.66	5.90	---	---	2.56	7.56	8.45	0.59	2.67	3.29	2.83	C	1,335
	2.5+2.5	2.50	2.50	---	---	2.07	5.00	6.12	0.46	1.47	2.44	3.40	A	735
	2.5+3.5	2.50	3.50	---	---	2.17	6.00	6.60	0.50	1.99	2.38	3.02	B	995
	2.5+4.2	2.50	4.20	---	---	2.24	6.70	7.11	0.50	2.44	2.63	2.75	D	1,220
	2.5+5.0	2.40	4.79	---	---	2.34	7.19	7.59	0.54	2.64	2.96	2.72	D	1,320
	2.5+6.0	2.18	5.24	---	---	2.48	7.42	8.16	0.59	2.60	3.07	2.85	C	1,300
	2.5+7.1	2.00	5.68	---	---	2.63	7.68	8.66	0.59	2.74	3.43	2.80	D	1,370
	3.5+3.5	3.50	3.50	---	---	2.27	7.00	7.30	0.50	2.63	2.88	2.66	D	1,315
	3.5+4.2	3.29	3.95	---	---	2.37	7.24	7.73	0.54	2.82	3.08	2.57	E	1,410
	3.5+5.0	3.06	4.36	---	---	2.48	7.42	8.16	0.58	2.83	3.37	2.62	D	1,415
	3.5+6.0	2.82	4.83	---	---	2.61	7.65	8.62	0.59	2.74	4.11	2.79	D	1,370
	3.5+7.1	2.61	5.30	---	---	2.77	7.91	8.31	0.63	2.87	3.15	2.76	D	1,435
	4.2+4.2	3.70	3.70	---	---	2.46	7.40	8.11	0.58	2.88	3.42	2.57	E	1,440
	4.2+5.0	3.46	4.12	---	---	2.57	7.58	8.48	0.58	2.96	3.59	2.56	E	1,480
	4.2+6.0	3.22	4.60	---	---	2.71	7.82	8.89	0.63	2.80	3.66	2.79	D	1,400
	4.2+7.1	2.97	5.03	---	---	2.86	8.00	8.98	0.67	2.94	3.67	2.72	D	1,470
	5.0+5.0	3.88	3.88	---	---	2.68	7.76	8.66	0.62	2.98	3.62	2.60	E	1,490
	5.0+6.0	3.64	4.36	---	---	2.82	8.00	9.14	0.67	2.88	3.69	2.78	D	1,440
	5.0+7.1	3.31	4.69	---	---	2.97	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	6.0+6.0	4.00	4.00	---	---	2.96	8.00	9.39	0.67	2.65	3.60	3.02	B	1,325
	6.0+7.1	3.66	4.34	---	---	3.11	8.00	9.55	0.71	2.58	3.76	3.10	B	1,290
	7.1+7.1	4.00	4.00	---	---	3.26	8.00	9.60	0.75	2.51	3.77	3.19	B	1,255
	2.0+2.0+2.0	2.00	2.00	2.00	---	2.17	6.00	6.63	0.52	1.73	2.12	3.47	A	865
	2.0+2.0+2.5	2.00	2.00	2.50	---	2.22	6.50	6.95	0.52	2.00	2.29	3.25	A	1,000
	2.0+2.0+3.5	1.92	1.92	3.35	---	2.34	7.19	7.61	0.55	2.42	2.67	2.97	C	1,210
	2.0+2.0+4.2	1.80	1.80	3.75	---	2.44	7.35	8.01	0.55	2.54	2.87	2.89	C	1,270
	2.0+2.0+5.0	1.68	1.68	4.18	---	2.55	7.54	8.40	0.59	2.55	3.17	2.96	C	1,275
	2.0+2.0+6.0	1.55	1.55	4.67	---	2.68	7.77	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.0+2.0+7.1	1.44	1.44	5.12	---	2.83	8.00	9.18	0.64	2.58	3.45	3.10	B	1,290
	2.0+2.5+2.5	2.00	2.50	2.50	---	2.27	7.00	7.30	0.52	2.29	2.48	3.06	B	1,145
	2.0+2.5+3.5	1.83	2.28	3.20	---	2.41	7.31	7.90	0.55	2.48	2.87	2.95	C	1,240
	2.0+2.5+4.2	1.72	2.15	3.60	---	2.50	7.47	8.26	0.59	2.61	3.01	2.86	C	1,305
	2.0+2.5+5.0	1.61	2.01	4.03	---	2.61	7.65	8.62	0.59	2.62	3.31	2.92	C	1,310
	2.0+2.5+6.0	1.50	1.88	4.50	---	2.75	7.88	8.99	0.64	2.51	3.29	3.14	B	1,255
	2.0+2.5+7.1	1.38	1.72	4.90	---	2.90	8.00	9.30	0.67	2.58	3.53	3.10	B	1,290
	2.0+3.5+3.5	1.68	2.93	2.93	---	2.55	7.54	8.40	0.59	2.67	3.22	2.82	C	1,335

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0+3.5+4.2	1.59	2.78	3.33	---	2.64	7.70	8.70	0.63	2.74	3.37	2.81	C	1,370
	2.0+3.5+5.0	1.50	2.63	3.75	---	2.75	7.88	8.99	0.63	2.75	3.61	2.87	C	1,375
	2.0+3.5+6.0	1.39	2.43	4.18	---	2.89	8.00	9.28	0.67	2.58	3.52	3.10	B	1,290
	2.0+3.5+7.1	1.27	2.22	4.51	---	3.04	8.00	9.10	0.67	2.51	3.30	3.19	B	1,255
	2.0+4.2+4.2	1.52	3.17	3.17	---	2.74	7.86	8.99	0.63	2.74	3.66	2.87	C	1,370
	2.0+4.2+5.0	1.43	3.00	3.57	---	2.85	8.00	9.23	0.67	2.75	3.77	2.91	C	1,375
	2.0+4.2+6.0	1.32	2.75	3.93	---	2.98	8.00	9.45	0.67	2.51	3.60	3.19	B	1,255
	2.0+4.2+7.1	1.20	2.53	4.27	---	3.14	8.00	9.60	0.71	2.52	3.69	3.17	B	1,260
	2.0+5.0+5.0	1.34	3.33	3.33	---	2.96	8.00	9.39	0.67	2.76	3.80	2.90	C	1,380
	2.0+5.0+6.0	1.23	3.08	3.69	---	3.09	8.00	9.54	0.71	2.46	3.63	3.25	A	1,230
	2.0+5.0+7.1	1.13	2.84	4.03	---	3.25	8.00	9.60	0.71	2.39	3.63	3.35	A	1,195
	2.0+6.0+6.0	1.14	3.43	3.43	---	3.23	8.00	9.60	0.72	2.28	3.37	3.51	A	1,140
	2.5+2.5+2.5	2.40	2.40	2.40	---	2.34	7.20	7.61	0.55	2.42	2.67	2.98	C	1,210
	2.5+2.5+3.5	2.18	2.18	3.06	---	2.48	7.42	8.16	0.59	2.54	3.08	2.92	C	1,270
	2.5+2.5+4.2	2.06	2.06	3.46	---	2.57	7.58	8.49	0.59	2.67	3.29	2.84	C	1,335
	2.5+2.5+5.0	1.94	1.94	3.89	---	2.68	7.77	8.82	0.63	2.68	3.46	2.90	C	1,340
	2.5+2.5+6.0	1.82	1.82	4.36	---	2.82	8.00	9.15	0.64	2.58	3.45	3.10	B	1,290
	2.5+2.5+7.1	1.65	1.65	4.70	---	2.97	8.00	9.41	0.67	2.51	3.61	3.19	B	1,255
	2.5+3.5+3.5	2.01	2.82	2.82	---	2.61	7.65	8.34	0.59	2.74	3.01	2.79	D	1,370
	2.5+3.5+4.2	1.92	2.68	3.22	---	2.71	7.82	8.89	0.63	2.80	3.44	2.79	D	1,400
	2.5+3.5+5.0	1.81	2.55	3.64	---	2.82	8.00	9.15	0.67	2.82	3.69	2.84	C	1,410
	2.5+3.5+6.0	1.67	2.33	4.00	---	2.96	8.00	9.39	0.67	2.58	3.60	3.10	B	1,290
	2.5+3.5+7.1	1.52	2.14	4.34	---	3.11	8.00	9.10	0.71	2.51	3.30	3.19	B	1,255
	2.5+4.2+4.2	1.84	3.07	3.07	---	2.81	7.98	9.15	0.67	2.87	3.82	2.78	D	1,435
	2.5+4.2+5.0	1.71	2.87	3.42	---	2.92	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	2.5+4.2+6.0	1.57	2.65	3.78	---	3.05	8.00	9.53	0.67	2.58	3.68	3.10	B	1,290
	2.5+4.2+7.1	1.45	2.43	4.12	---	3.20	8.00	9.63	0.71	2.52	3.77	3.17	B	1,260
	2.5+5.0+5.0	1.60	3.20	3.20	---	3.03	8.00	9.47	0.71	2.76	3.88	2.90	C	1,380
	2.5+5.0+6.0	1.48	2.96	3.56	---	3.16	8.00	9.58	0.71	2.46	3.63	3.25	A	1,230
	2.5+6.0+6.0	1.38	3.31	3.31	---	3.30	8.00	9.60	0.72	2.22	3.37	3.60	A	1,110
	3.5+3.5+3.5	2.63	2.63	2.63	---	2.75	7.89	8.67	0.63	2.87	3.15	2.75	D	1,435
	3.5+3.5+4.2	2.50	2.50	3.01	---	2.85	8.01	9.29	0.67	2.94	3.66	2.72	D	1,470
	3.5+3.5+5.0	2.33	2.33	3.34	---	2.96	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	3.5+3.5+6.0	2.15	2.15	3.70	---	3.09	8.00	9.11	0.71	2.58	3.37	3.10	B	1,290
	3.5+3.5+7.1	1.99	1.99	4.02	---	3.25	8.00	9.60	0.75	2.52	3.77	3.17	B	1,260
	3.5+4.2+4.2	2.36	2.82	2.82	---	2.94	8.00	9.18	0.67	2.87	3.82	2.79	D	1,435
	3.5+4.2+5.0	2.21	2.65	3.14	---	3.05	8.00	9.36	0.71	2.75	3.85	2.91	C	1,375
	3.5+4.2+6.0	2.06	2.45	3.49	---	3.19	8.00	9.59	0.71	2.51	3.77	3.19	B	1,255
	3.5+5.0+5.0	2.08	2.96	2.96	---	3.16	8.00	9.55	0.71	2.76	3.88	2.90	C	1,380
	3.5+5.0+6.0	1.93	2.76	3.31	---	3.30	8.00	9.60	0.75	2.46	3.63	3.25	A	1,230
	4.2+4.2+4.2	2.67	2.67	2.67	---	3.04	8.00	9.19	0.71	2.87	3.82	2.79	D	1,435
	4.2+4.2+5.0	2.51	2.51	2.98	---	3.15	8.00	9.37	0.71	2.75	3.85	2.91	C	1,375
	4.2+4.2+6.0	2.33	2.33	3.34	---	3.29	8.00	9.60	0.75	2.51	3.77	3.19	B	1,255
	4.2+5.0+5.0	2.36	2.82	2.82	---	3.26	8.00	9.56	0.75	2.70	3.88	2.96	C	1,350
	2.0+2.0+2.0+2.0	1.83	1.83	1.83	1.83	2.41	7.32	7.90	0.56	2.07	2.38	3.54	A	1,035
	2.0+2.0+2.0+2.5	1.75	1.75	1.75	2.17	2.48	7.42	8.16	0.56	2.13	2.51	3.48	A	1,065
	2.0+2.0+2.0+3.5	1.61	1.61	1.61	2.82	2.61	7.65	8.62	0.60	2.26	2.86	3.38	A	1,130
	2.0+2.0+2.0+4.2	1.53	1.53	1.53	3.23	2.71	7.82	8.89	0.64	2.32	3.00	3.37	A	1,160
	2.0+2.0+2.0+5.0	1.45	1.45	1.45	3.65	2.82	8.00	9.15	0.64	2.52	3.32	3.17	B	1,260

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0+2.0+2.0+6.0	1.33	1.33	1.33	4.01	2.96	8.00	9.39	0.68	2.28	3.21	3.51	A	1,140
	2.0+2.0+2.0+7.1	1.22	1.22	1.22	4.34	3.11	8.00	9.55	0.68	2.22	3.29	3.60	A	1,110
	2.0+2.0+2.5+2.5	1.68	1.68	2.09	2.09	2.55	7.54	8.40	0.60	2.20	2.72	3.43	A	1,100
	2.0+2.0+2.5+3.5	1.55	1.55	1.94	2.73	2.68	7.77	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.0+2.0+2.5+4.2	1.48	1.48	1.85	3.12	2.78	7.93	9.06	0.64	2.58	3.30	3.07	B	1,290
	2.0+2.0+2.5+5.0	1.39	1.39	1.74	3.48	2.89	8.00	9.28	0.64	2.52	3.39	3.17	B	1,260
	2.0+2.0+2.5+6.0	1.28	1.28	1.60	3.84	3.03	8.00	9.47	0.68	2.28	3.21	3.51	A	1,140
	2.0+2.0+2.5+7.1	1.18	1.18	1.47	4.17	3.18	8.00	9.59	0.72	2.22	3.29	3.60	A	1,110
	2.0+2.0+3.5+3.5	1.45	1.45	2.55	2.55	2.82	8.00	8.96	0.64	2.58	3.22	3.10	B	1,290
	2.0+2.0+3.5+4.2	1.37	1.37	2.39	2.87	2.92	8.00	9.32	0.67	2.58	3.53	3.10	B	1,290
	2.0+2.0+3.5+5.0	1.28	1.28	2.24	3.20	3.03	8.00	9.47	0.68	2.52	3.55	3.17	B	1,260
	2.0+2.0+3.5+6.0	1.19	1.19	2.07	3.55	3.16	8.00	9.58	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.0+4.2+4.2	1.29	1.29	2.71	2.71	3.01	8.00	9.46	0.67	2.58	3.61	3.10	B	1,290
	2.0+2.0+4.2+5.0	1.21	1.21	2.55	3.03	3.12	8.00	9.56	0.71	2.52	3.55	3.17	B	1,260
	2.0+2.0+4.2+6.0	1.13	1.13	2.37	3.37	3.26	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.0+5.0+5.0	1.14	1.14	2.86	2.86	3.23	8.00	9.60	0.71	2.44	3.50	3.28	A	1,220
	2.0+2.5+2.5+2.5	1.62	2.01	2.01	2.01	2.61	7.65	8.62	0.60	2.26	2.85	3.38	A	1,130
	2.0+2.5+2.5+3.5	1.50	1.88	1.88	2.62	2.75	7.88	8.99	0.64	2.51	3.29	3.14	B	1,255
	2.0+2.5+2.5+4.2	1.43	1.79	1.79	2.99	2.85	8.00	9.20	0.64	2.58	3.45	3.10	B	1,290
	2.0+2.5+2.5+5.0	1.33	1.67	1.67	3.33	2.96	8.00	9.39	0.68	2.52	3.47	3.17	B	1,260
	2.0+2.5+2.5+6.0	1.23	1.54	1.54	3.69	3.09	8.00	9.54	0.68	2.25	3.29	3.56	A	1,125
	2.0+2.5+2.5+7.1	1.13	1.42	1.42	4.03	3.25	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.5+3.5+3.5	1.40	1.74	2.43	2.43	2.89	8.00	9.14	0.67	2.58	3.37	3.10	B	1,290
	2.0+2.5+3.5+4.2	1.31	1.64	2.30	2.75	2.98	8.00	9.47	0.67	2.58	3.61	3.10	B	1,290
	2.0+2.5+3.5+5.0	1.23	1.54	2.15	3.08	3.09	8.00	9.54	0.71	2.52	3.55	3.17	B	1,260
	2.0+2.5+3.5+6.0	1.14	1.43	2.00	3.43	3.23	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.5+4.2+4.2	1.25	1.55	2.60	2.60	3.08	8.00	9.53	0.71	2.58	3.69	3.10	B	1,290
	2.0+2.5+4.2+5.0	1.17	1.46	2.45	2.92	3.19	8.00	9.59	0.71	2.52	3.63	3.17	B	1,260
	2.0+2.5+5.0+5.0	1.10	1.38	2.76	2.76	3.30	8.00	9.60	0.71	2.40	3.50	3.33	A	1,200
	2.0+3.5+3.5+3.5	1.28	2.24	2.24	2.24	3.03	8.00	9.23	0.67	2.58	3.30	3.10	B	1,290
	2.0+3.5+3.5+4.2	1.21	2.12	2.12	2.55	3.12	8.00	9.56	0.71	2.58	3.69	3.10	B	1,290
	2.0+3.5+3.5+5.0	1.14	2.00	2.00	2.86	3.23	8.00	9.60	0.71	2.52	3.63	3.17	B	1,260
	2.0+3.5+4.2+4.2	1.15	2.01	2.42	2.42	3.22	8.00	9.60	0.71	2.58	3.77	3.10	B	1,290
	2.5+2.5+2.5+2.5	1.94	1.94	1.94	1.94	2.68	7.76	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.54	2.82	8.00	8.98	0.64	2.58	3.22	3.10	B	1,290
	2.5+2.5+2.5+4.2	1.71	1.71	1.71	2.87	2.92	8.00	9.32	0.67	2.58	3.53	3.10	B	1,290
	2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	3.03	8.00	9.47	0.68	2.52	3.55	3.17	B	1,260
	2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	3.16	8.00	9.58	0.72	2.28	3.29	3.51	A	1,140
	2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	2.96	8.00	9.10	0.67	2.58	3.37	3.10	B	1,290
	2.5+2.5+3.5+4.2	1.57	1.57	2.21	2.65	3.05	8.00	9.50	0.67	2.58	3.69	3.10	B	1,290
	2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.97	3.16	8.00	9.58	0.71	2.52	3.63	3.17	B	1,260
	2.5+2.5+3.5+6.0	1.38	1.38	1.93	3.31	3.30	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.5+2.5+4.2+4.2	1.49	1.49	2.51	2.51	3.15	8.00	9.57	0.71	2.58	3.69	3.10	B	1,290
	2.5+2.5+4.2+5.0	1.41	1.41	2.37	2.81	3.26	8.00	9.60	0.71	2.52	3.63	3.17	B	1,260
	2.5+3.5+3.5+3.5	1.55	2.15	2.15	2.15	3.09	8.00	9.35	0.71	2.58	3.30	3.10	B	1,290
	2.5+3.5+3.5+4.2	1.47	2.04	2.04	2.45	3.19	8.00	9.59	0.71	2.58	3.77	3.10	B	1,290
	2.5+3.5+3.5+5.0	1.38	1.93	1.93	2.76	3.30	8.00	9.60	0.75	2.52	3.63	3.17	B	1,260
	2.5+3.5+4.2+4.2	1.40	1.94	2.33	2.33	3.29	8.00	9.60	0.75	2.58	3.77	3.10	B	1,290
	3.5+3.5+3.5+3.5	2.00	2.00	2.00	2.00	3.23	8.00	9.60	0.71	2.58	3.77	3.10	B	1,290

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS80E	2.0	2.44	---	---	---	1.31	2.44	4.10	0.31	0.67	1.22	3.64	A
	2.5	3.05	---	---	---	1.36	3.05	4.55	0.33	0.88	1.31	3.47	B
	3.5	4.27	---	---	---	1.48	4.27	5.11	0.34	1.42	1.73	3.01	D
	4.2	5.12	---	---	---	1.68	5.12	5.17	0.37	1.73	1.77	2.96	D
	5.0	6.09	---	---	---	1.90	6.09	7.12	0.44	1.78	2.25	3.42	B
	6.0	7.31	---	---	---	2.19	7.31	8.19	0.55	2.19	2.64	3.34	C
	7.1	8.65	---	---	---	2.50	8.65	9.00	0.59	2.77	2.97	3.12	D
	2.0+2.0	2.44	2.44	---	---	1.62	4.88	6.55	0.34	1.17	1.74	4.17	A
	2.0+2.5	2.44	3.05	---	---	1.76	5.49	6.85	0.37	1.34	1.82	4.10	A
	2.0+3.5	2.44	4.26	---	---	2.05	6.70	7.35	0.43	1.86	2.13	3.60	A
	2.0+4.2	2.44	5.11	---	---	2.24	7.55	7.35	0.47	2.22	2.13	3.40	C
	2.0+5.0	2.44	6.09	---		2.47	8.53	8.72	0.55	2.32	2.42	3.68	A
	2.0+6.0	2.32	6.95	---	---	2.74	9.27	9.67	0.57	2.44	2.64	3.80	A
	2.0+7.1	2.11	7.49	---	---	3.04	9.60	10.36	0.61	2.48	2.89	3.87	A
	2.5+2.5	3.04	3.04	---	---	1.90	6.08	7.16	0.41	1.69	2.14	3.60	B
	2.5+3.5	3.05	4.26	---	---	2.19	7.31	8.53	0.55	2.13	2.67	3.43	B
	2.5+4.2	3.04	5.12	---	---	2.39	8.16	8.53	0.57	2.46	2.67	3.32	C
	2.5+5.0	2.98	5.95	---	---	2.61	8.93	9.31	0.57	2.52	2.72	3.54	B
	2.5+6.0	2.82	6.78	---	---	2.88	9.60	10.10	0.59	2.65	2.94	3.62	A
	2.5+7.1	2.50	7.10	---	---	3.17	9.60	10.36	0.63	2.51	2.93	3.82	A
	3.5+3.5	4.26	4.26	---	---	2.47	8.52	9.18	0.59	2.70	3.04	3.16	D
	3.5+4.2	4.11	4.94	---	---	2.66	9.05	9.18	0.61	2.98	3.04	3.04	D
	3.5+5.0	3.95	5.65	---	---	2.88	9.60	9.92	0.62	2.77	2.93	3.47	B
	3.5+6.0	3.54	6.06	---	---	3.15	9.60	10.34	0.61	2.49	2.90	3.86	A
	3.5+7.1	3.17	6.43	---	---	3.45	9.60	10.37	0.67	2.43	2.84	3.95	A
	4.2+4.2	4.78	4.78	---	---	2.85	9.55	9.99	0.63	2.65	2.91	3.60	B
	4.2+5.0	4.38	5.22	---	---	3.07	9.60	10.12	0.64	2.61	2.87	3.68	A
	4.2+6.0	3.95	5.65	---	---	3.34	9.60	10.35	0.65	2.44	2.84	3.93	A
	4.2+7.1	3.57	6.03	---	---	3.63	9.60	10.38	0.70	2.43	2.83	3.95	A
	5.0+5.0	4.80	4.80	---	---	3.28	9.60	10.24	0.67	2.52	2.83	3.81	A
	5.0+6.0	4.36	5.24	---	---	3.55	9.60	10.47	0.66	2.40	2.80	4.00	A
	5.0+7.1	3.97	5.63	---	---	3.85	9.60	10.50	0.70	2.38	2.79	4.03	A
	6.0+6.0	4.80	4.80	---	---	3.82	9.60	10.70	0.67	2.32	2.77	4.14	A
	6.0+7.1	4.40	5.20	---	---	4.12	9.60	10.73	0.71	2.31	2.76	4.16	A
	7.1+7.1	4.80	4.80	---	---	4.42	9.60	10.77	0.78	2.25	2.70	4.27	A
	2.0+2.0+2.0	2.43	2.43	2.43	---	2.19	7.29	8.33	0.48	1.76	2.14	4.14	A
	2.0+2.0+2.5	2.44	2.44	3.04	---	2.33	7.92	8.93	0.50	1.96	2.32	4.04	A
	2.0+2.0+3.5	2.38	2.38	4.17	---	2.61	8.93	9.68	0.54	2.29	2.63	3.90	A
	2.0+2.0+4.2	2.30	2.30	4.81	---	2.80	9.41	9.69	0.56	2.48	2.63	3.79	A
	2.0+2.0+5.0	2.13	2.13	5.34	---	3.01	9.60	10.48	0.57	2.39	2.80	4.02	A
	2.0+2.0+6.0	1.92	1.92	5.76	---	3.28	9.60	10.71	0.58	2.27	2.72	4.23	A
	2.0+2.0+7.1	1.73	1.73	6.14	---	3.58	9.60	10.74	0.62	2.26	2.71	4.25	A
	2.0+2.5+2.5	2.43	3.05	3.05	---	2.47	8.53	8.93	0.52	2.16	2.30	3.95	A
	2.0+2.5+3.5	2.31	2.90	4.06	---	2.74	9.27	9.68	0.56	2.41	2.61	3.85	A
	2.0+2.5+4.2	2.21	2.76	4.63	---	2.93	9.60	9.69	0.59	2.56	2.61	3.75	A
	2.0+2.5+5.0	2.02	2.53	5.05	---	3.15	9.60	10.48	0.59	2.39	2.80	4.02	A
	2.0+2.5+6.0	1.82	2.29	5.49	---	3.42	9.60	10.71	0.60	2.27	2.72	4.23	A
	2.0+2.5+7.1	1.65	2.07	5.88	---	3.72	9.60	10.74	0.64	2.26	2.71	4.25	A
	2.0+3.5+3.5	2.14	3.73	3.73	---	3.01	9.60	10.35	0.59	2.43	2.84	3.95	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS80E	2.0+3.5+4.2	1.99	3.46	4.15	---	3.20	9.60	10.36	0.63	2.43	2.84	3.95	A
	2.0+3.5+5.0	1.83	3.20	4.57	---	3.42	9.60	10.49	0.63	2.39	2.80	4.02	A
	2.0+3.5+6.0	1.67	2.92	5.01	---	3.69	9.60	10.72	0.64	2.27	2.72	4.23	A
	2.0+3.5+7.1	1.52	2.67	5.41	---	3.99	9.60	10.75	0.69	2.26	2.70	4.25	A
	2.0+4.2+4.2	1.84	3.88	3.88	---	3.39	9.60	10.37	0.65	2.43	2.84	3.95	A
	2.0+4.2+5.0	1.71	3.60	4.29	---	3.61	9.60	10.49	0.68	2.39	2.79	4.02	A
	2.0+4.2+6.0	1.58	3.30	4.72	---	3.88	9.60	10.72	0.67	2.27	2.71	4.23	A
	2.0+4.2+7.1	1.45	3.03	5.12	---	4.18	9.60	10.76	0.73	2.26	2.70	4.25	A
	2.0+5.0+5.0	1.60	4.00	4.00	---	3.82	9.60	10.62	0.68	2.30	2.75	4.17	A
	2.0+5.0+6.0	1.48	3.69	4.43	---	4.09	9.60	10.85	0.69	2.18	2.72	4.40	A
	2.0+5.0+7.1	1.37	3.40	4.83	---	4.39	9.60	10.88	0.74	2.17	2.71	4.42	A
	2.0+6.0+6.0	1.38	4.11	4.11	---	4.36	9.60	11.08	0.70	2.11	2.64	4.55	A
	2.5+2.5+2.5	2.97	2.97	2.97	---	2.61	8.91	9.88	0.54	2.34	2.74	3.81	A
	2.5+2.5+3.5	2.82	2.82	3.96	---	2.88	9.60	10.12	0.59	2.53	2.79	3.79	A
	2.5+2.5+4.2	2.61	2.61	4.38	---	3.07	9.60	10.12	0.61	2.53	2.79	3.79	A
	2.5+2.5+5.0	2.40	2.40	4.80	---	3.28	9.60	10.48	0.61	2.39	2.80	4.02	A
	2.5+2.5+6.0	2.18	2.18	5.24	---	3.55	9.60	10.71	0.62	2.27	2.72	4.23	A
	2.5+2.5+7.1	1.98	1.98	5.64	---	3.85	9.60	10.74	0.66	2.26	2.71	4.25	A
	2.5+3.5+3.5	2.52	3.54	3.54	---	3.15	9.60	10.35	0.61	2.43	2.84	3.95	A
	2.5+3.5+4.2	2.36	3.29	3.95	---	3.34	9.60	10.36	0.65	2.43	2.84	3.95	A
	2.5+3.5+5.0	2.19	3.05	4.36	---	3.55	9.60	10.49	0.66	2.39	2.80	4.02	A
	2.5+3.5+6.0	2.00	2.80	4.80	---	3.82	9.60	10.72	0.67	2.27	2.72	4.23	A
	2.5+3.5+7.1	1.84	2.56	5.20	---	4.12	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.5+4.2+4.2	2.20	3.70	3.70	---	3.53	9.60	10.37	0.68	2.43	2.84	3.95	A
	2.5+4.2+5.0	2.06	3.45	4.09	---	3.74	9.60	10.49	0.70	2.39	2.79	4.02	A
	2.5+4.2+6.0	1.90	3.17	4.53	---	4.01	9.60	10.72	0.69	2.27	2.71	4.23	A
	2.5+4.2+7.1	1.75	2.92	4.93	---	4.31	9.60	10.76	0.76	2.26	2.70	4.25	A
	2.5+5.0+5.0	1.92	3.84	3.84	---	3.96	9.60	10.62	0.71	2.30	2.75	4.17	A
	2.5+5.0+6.0	1.77	3.56	4.27	---	4.23	9.60	10.85	0.72	2.18	2.72	4.40	A
	2.5+6.0+6.0	1.66	3.97	3.97	---	4.50	9.60	11.08	0.72	2.11	2.64	4.55	A
	3.5+3.5+3.5	3.20	3.20	3.20	---	3.42	9.60	10.36	0.65	2.43	2.84	3.95	A
	3.5+3.5+4.2	3.00	3.00	3.60	---	3.61	9.60	10.37	0.70	2.43	2.84	3.95	A
	3.5+3.5+5.0	2.80	2.80	4.00	---	3.82	9.60	10.49	0.70	2.39	2.79	4.02	A
	3.5+3.5+6.0	2.58	2.58	4.44	---	4.09	9.60	10.72	0.71	2.27	2.71	4.23	A
	3.5+3.5+7.1	2.38	2.38	4.84	---	4.39	9.60	10.76	0.76	2.26	2.70	4.25	A
	3.5+4.2+4.2	2.82	3.39	3.39	---	3.80	9.60	10.38	0.72	2.43	2.83	3.95	A
	3.5+4.2+5.0	2.65	3.17	3.78	---	4.01	9.60	10.50	0.75	2.39	2.79	4.02	A
	3.5+4.2+6.0	2.45	2.94	4.21	---	4.28	9.60	10.73	0.74	2.26	2.71	4.25	A
	3.5+5.0+5.0	2.48	3.56	3.56	---	4.23	9.60	10.63	0.76	2.30	2.75	4.17	A
	3.5+5.0+6.0	2.32	3.31	3.97	---	4.50	9.60	10.86	0.77	2.18	2.72	4.40	A
	4.2+4.2+4.2	3.20	3.20	3.20	---	3.99	9.60	10.38	0.75	2.42	2.83	3.97	A
	4.2+4.2+5.0	3.01	3.01	3.58	---	4.20	9.60	10.51	0.78	2.38	2.79	4.03	A
	4.2+4.2+6.0	2.80	2.80	4.00	---	4.47	9.60	10.74	0.79	2.26	2.71	4.25	A
	4.2+5.0+5.0	2.84	3.38	3.38	---	4.42	9.60	10.64	0.81	2.29	2.74	4.19	A
	2.0+2.0+2.0+2.0	2.32	2.32	2.32	2.32	2.74	9.28	9.78	0.48	2.27	2.51	4.09	A
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.82	2.88	9.60	9.92	0.52	2.36	2.51	4.07	A
	2.0+2.0+2.0+3.5	2.02	2.02	2.02	3.54	3.15	9.60	10.72	0.56	2.27	2.71	4.23	A
	2.0+2.0+2.0+4.2	1.88	1.88	1.88	3.96	3.34	9.60	10.73	0.58	2.26	2.71	4.25	A
	2.0+2.0+2.0+5.0	1.75	1.75	1.75	4.35	3.55	9.60	10.86	0.60	2.18	2.72	4.40	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS80E	2.0+2.0+2.0+6.0	1.60	1.60	1.60	4.80	3.82	9.60	11.09	0.59	2.10	2.64	4.57	A
	2.0+2.0+2.0+7.1	1.47	1.47	1.47	5.19	4.12	9.60	11.12	0.65	2.09	2.63	4.59	A
	2.0+2.0+2.5+2.5	2.13	2.13	2.67	2.67	3.01	9.60	10.71	0.54	2.27	2.72	4.23	A
	2.0+2.0+2.5+3.5	1.92	1.92	2.40	3.36	3.28	9.60	10.72	0.58	2.27	2.71	4.23	A
	2.0+2.0+2.5+4.2	1.79	1.79	2.25	3.77	3.47	9.60	10.73	0.60	2.26	2.71	4.25	A
	2.0+2.0+2.5+5.0	1.67	1.67	2.09	4.17	3.69	9.60	10.86	0.62	2.18	2.72	4.40	A
	2.0+2.0+2.5+6.0	1.54	1.54	1.92	4.60	3.96	9.60	11.09	0.61	2.10	2.64	4.57	A
	2.0+2.0+2.5+7.1	1.41	1.41	1.76	5.02	4.26	9.60	11.12	0.67	2.09	2.63	4.59	A
	2.0+2.0+3.5+3.5	1.75	1.75	3.05	3.05	3.55	9.60	10.73	0.62	2.26	2.71	4.25	A
	2.0+2.0+3.5+4.2	1.64	1.64	2.87	3.45	3.74	9.60	10.74	0.64	2.26	2.71	4.25	A
	2.0+2.0+3.5+5.0	1.54	1.54	2.69	3.83	3.96	9.60	10.86	0.67	2.17	2.71	4.42	A
	2.0+2.0+3.5+6.0	1.42	1.42	2.49	4.27	4.23	9.60	11.09	0.67	2.10	2.63	4.57	A
	2.0+2.0+4.2+4.2	1.55	1.55	3.25	3.25	3.93	9.60	10.75	0.66	2.26	2.70	4.25	A
	2.0+2.0+4.2+5.0	1.45	1.45	3.06	3.64	4.15	9.60	10.87	0.69	2.17	2.71	4.42	A
	2.0+2.0+4.2+6.0	1.35	1.35	2.84	4.06	4.42	9.60	11.10	0.70	2.10	2.63	4.57	A
	2.0+2.0+5.0+5.0	1.37	1.37	3.43	3.43	4.36	9.60	11.00	0.72	2.13	2.67	4.51	A
	2.0+2.5+2.5+2.5	2.01	2.53	2.53	2.53	3.15	9.60	10.71	0.56	2.27	2.72	4.23	A
	2.0+2.5+2.5+3.5	1.82	2.29	2.29	3.20	3.42	9.60	10.72	0.60	2.27	2.71	4.23	A
	2.0+2.5+2.5+4.2	1.72	2.14	2.14	3.60	3.61	9.60	10.73	0.62	2.26	2.71	4.25	A
	2.0+2.5+2.5+5.0	1.60	2.00	2.00	4.00	3.82	9.60	10.86	0.65	2.18	2.72	4.40	A
	2.0+2.5+2.5+6.0	1.47	1.85	1.85	4.43	4.09	9.60	11.09	0.65	2.10	2.64	4.57	A
	2.0+2.5+2.5+7.1	1.37	1.70	1.70	4.83	4.39	9.60	11.12	0.69	2.09	2.63	4.59	A
	2.0+2.5+3.5+3.5	1.67	2.09	2.92	2.92	3.69	9.60	10.73	0.64	2.26	2.71	4.25	A
	2.0+2.5+3.5+4.2	1.58	1.97	2.75	3.30	3.88	9.60	10.74	0.66	2.26	2.71	4.25	A
	2.0+2.5+3.5+5.0	1.48	1.85	2.58	3.69	4.09	9.60	10.86	0.69	2.18	2.71	4.40	A
	2.0+2.5+3.5+6.0	1.38	1.71	2.40	4.11	4.36	9.60	11.09	0.70	2.10	2.63	4.57	A
	2.0+2.5+4.2+4.2	1.50	1.86	3.12	3.12	4.07	9.60	10.75	0.69	2.26	2.70	4.25	A
	2.0+2.5+4.2+5.0	1.41	1.75	2.94	3.50	4.28	9.60	10.87	0.71	2.17	2.71	4.42	A
	2.0+2.5+5.0+5.0	1.32	1.66	3.31	3.31	4.50	9.60	11.00	0.74	2.13	2.67	4.51	A
	2.0+3.5+3.5+3.5	1.53	2.69	2.69	2.69	3.96	9.60	10.74	0.69	2.26	2.71	4.25	A
	2.0+3.5+3.5+4.2	1.45	2.55	2.55	3.05	4.15	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.0+3.5+3.5+5.0	1.37	2.40	2.40	3.43	4.36	9.60	10.87	0.74	2.17	2.71	4.42	A
	2.0+3.5+4.2+4.2	1.38	2.42	2.90	2.90	4.34	9.60	10.75	0.76	2.26	2.70	4.25	A
	2.5+2.5+2.5+2.5	2.40	2.40	2.40	2.40	3.28	9.60	10.71	0.58	2.27	2.72	4.23	A
	2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.06	3.55	9.60	10.72	0.62	2.27	2.71	4.23	A
	2.5+2.5+2.5+4.2	2.05	2.05	2.05	3.45	3.74	9.60	10.73	0.64	2.26	2.71	4.25	A
	2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	3.96	9.60	10.86	0.67	2.18	2.72	4.40	A
	2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.26	4.23	9.60	11.09	0.68	2.10	2.64	4.57	A
	2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	3.82	9.60	10.73	0.67	2.26	2.71	4.25	A
	2.5+2.5+3.5+4.2	1.89	1.89	2.65	3.17	4.01	9.60	10.74	0.69	2.26	2.71	4.25	A
	2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.55	4.23	9.60	10.86	0.71	2.18	2.71	4.40	A
	2.5+2.5+3.5+6.0	1.66	1.66	2.32	3.96	4.50	9.60	11.09	0.72	2.10	2.63	4.57	A
	2.5+2.5+4.2+4.2	1.79	1.79	3.01	3.01	4.20	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.5+2.5+4.2+5.0	1.69	1.69	2.85	3.37	4.42	9.60	10.87	0.76	2.17	2.71	4.42	A
	2.5+3.5+3.5+3.5	1.86	2.58	2.58	2.58	4.09	9.60	10.74	0.71	2.26	2.71	4.25	A
	2.5+3.5+3.5+4.2	1.76	2.45	2.45	2.94	4.28	9.60	10.75	0.74	2.26	2.70	4.25	A
	2.5+3.5+3.5+5.0	1.65	2.32	2.32	3.31	4.50	9.60	10.87	0.76	2.17	2.71	4.42	A
	2.5+3.5+4.2+4.2	1.67	2.33	2.80	2.80	4.47	9.60	10.75	0.78	2.26	2.70	4.25	A
	3.5+3.5+3.5+3.5	2.40	2.40	2.40	2.40	4.36	9.60	10.75	0.76	2.26	2.70	4.25	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0	2.00	---	---	---	---	1.88	2.00	3.03	0.45	0.56	1.02	3.57	A	280
	2.5	2.50	---	---	---	---	2.00	2.50	3.54	0.49	0.71	1.18	3.52	A	355
	3.5	3.50	---	---	---	---	2.05	3.50	4.82	0.52	1.14	1.47	3.07	B	570
	4.2	4.20	---	---	---	---	2.13	4.20	5.14	0.56	1.38	1.69	3.04	B	690
	5.0	5.00	---	---	---	---	2.22	5.00	5.50	0.49	1.64	1.83	3.05	B	820
	6.0	6.00	---	---	---	---	2.33	6.00	6.60	0.50	1.89	2.24	3.17	B	945
	7.1	7.10	---	---	---	---	2.45	7.10	7.38	0.53	2.57	2.74	2.76	D	1,285
	2.0+2.0	2.00	2.00	---	---	---	2.11	4.00	5.30	0.50	1.14	1.79	3.51	A	570
	2.0+2.5	2.00	2.50	---	---	---	2.16	4.50	5.73	0.50	1.30	1.79	3.46	A	650
	2.0+3.5	2.00	3.50	---	---	---	2.27	5.50	6.36	0.50	1.70	2.09	3.24	A	850
	2.0+4.2	2.00	4.20	---	---	---	2.35	6.20	6.75	0.50	1.99	2.35	3.12	B	995
	2.0+5.0	2.00	5.00	---	---	---	2.44	7.00	7.31	0.50	2.42	2.59	2.89	C	1,210
	2.0+6.0	1.86	5.56	---	---	---	2.58	7.42	7.96	0.54	2.45	2.81	3.03	B	1,225
	2.0+7.1	1.71	6.09	---	---	---	2.74	7.80	8.47	0.57	2.69	3.13	2.90	C	1,345
	2.5+2.5	2.50	2.50	---	---	---	2.22	5.00	6.20	0.46	1.39	1.99	3.60	A	695
	2.5+3.5	2.50	3.50	---	---	---	2.33	6.00	6.60	0.50	1.89	2.25	3.17	B	945
	2.5+4.2	2.50	4.20	---	---	---	2.41	6.70	7.11	0.50	2.30	2.57	2.91	C	1,150
	2.5+5.0	2.41	4.83	---	---	---	2.51	7.24	7.64	0.53	2.59	2.82	2.80	D	1,295
	2.5+6.0	2.23	5.36	---	---	---	2.66	7.59	8.25	0.57	2.57	3.00	2.95	C	1,285
	2.5+7.1	2.08	5.90	---	---	---	2.82	7.98	8.47	0.60	2.81	3.13	2.84	C	1,405
	3.5+3.5	3.50	3.50	---	---	---	2.44	7.00	7.31	0.53	2.52	2.69	2.78	D	1,260
	3.5+4.2	3.32	3.99	---	---	---	2.54	7.31	7.66	0.53	2.69	2.92	2.72	D	1,345
	3.5+5.0	3.13	4.46	---	---	---	2.66	7.59	7.83	0.57	2.82	2.94	2.69	D	1,410
	3.5+6.0	2.93	5.01	---	---	---	2.80	7.94	8.45	0.60	2.81	3.13	2.83	C	1,405
	3.5+7.1	2.75	5.58	---	---	---	2.96	8.33	8.47	0.64	3.07	3.13	2.71	D	1,535
	4.2+4.2	3.78	3.78	---	---	---	2.64	7.56	7.67	0.56	2.86	2.92	2.64	D	1,430
	4.2+5.0	3.58	4.26	---	---	---	2.76	7.84	8.01	0.60	2.94	3.07	2.67	D	1,470
	4.2+6.0	3.37	4.82	---	---	---	2.91	8.19	8.46	0.60	2.94	3.13	2.79	D	1,470
	4.2+7.1	3.19	5.39	---	---	---	3.07	8.58	8.66	0.64	3.26	3.26	2.63	D	1,630
	5.0+5.0	4.06	4.06	---	---	---	2.88	8.12	8.18	0.60	3.09	3.19	2.63	D	1,545
	5.0+6.0	3.85	4.62	---	---	---	3.02	8.47	8.64	0.64	3.09	3.25	2.74	D	1,545
	5.0+7.1	3.66	5.20	---	---	---	3.19	8.86	8.88	0.67	3.36	3.39	2.64	D	1,680
	6.0+6.0	4.41	4.41	---	---	---	3.17	8.82	9.27	0.64	3.08	3.36	2.86	C	1,540
	6.0+7.1	4.12	4.88	---	---	---	3.33	9.00	9.29	0.68	3.08	3.36	2.92	C	1,540
	7.1+7.1	4.50	4.50	---	---	---	3.49	9.00	9.31	0.71	3.02	3.36	2.98	C	1,510
	2.0+2.0+2.0	2.00	2.00	2.00	---	---	2.33	6.00	6.63	0.50	1.66	1.96	3.61	A	830
	2.0+2.0+2.5	2.00	2.00	2.50	---	---	2.38	6.50	6.97	0.50	1.91	2.17	3.40	A	955
	2.0+2.0+3.5	1.93	1.93	3.38	---	---	2.51	7.24	7.64	0.54	2.34	2.57	3.09	B	1,170
	2.0+2.0+4.2	1.83	1.83	3.83	---	---	2.61	7.49	8.08	0.54	2.45	2.88	3.06	B	1,225
	2.0+2.0+5.0	1.72	1.72	4.33	---	---	2.73	7.77	8.53	0.57	2.59	3.09	3.00	C	1,295
	2.0+2.0+6.0	1.62	1.62	4.88	---	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.0+2.0+7.1	1.53	1.53	5.45	---	---	3.04	8.51	9.30	0.61	2.82	3.36	3.02	B	1,410
	2.0+2.5+2.5	2.00	2.50	2.50	---	---	2.44	7.00	7.31	0.50	2.17	2.40	3.23	A	1,085
	2.0+2.5+3.5	1.86	2.32	3.24	---	---	2.58	7.42	7.96	0.54	2.45	2.81	3.03	B	1,225
	2.0+2.5+4.2	1.76	2.20	3.70	---	---	2.69	7.66	8.36	0.57	2.57	3.07	2.98	C	1,285
	2.0+2.5+5.0	1.67	2.09	4.18	---	---	2.80	7.94	8.65	0.57	2.71	3.15	2.93	C	1,355
	2.0+2.5+6.0	1.58	1.98	4.74	---	---	2.95	8.30	9.10	0.61	2.69	3.22	3.09	B	1,345
	2.0+2.5+7.1	1.50	1.87	5.31	---	---	3.11	8.68	9.30	0.64	2.95	3.36	2.94	C	1,475

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0+3.5+3.5	1.73	3.02	3.02	---	---	2.73	7.77	8.47	0.57	2.69	3.13	2.89	C	1,345
	2.0+3.5+4.2	1.65	2.89	3.47	---	---	2.83	8.01	8.48	0.60	2.81	3.13	2.85	C	1,405
	2.0+3.5+5.0	1.58	2.77	3.95	---	---	2.95	8.30	8.66	0.61	2.96	3.16	2.80	D	1,480
	2.0+3.5+6.0	1.50	2.63	4.52	---	---	3.10	8.65	9.29	0.64	2.95	3.36	2.93	C	1,475
	2.0+3.5+7.1	1.43	2.50	5.07	---	---	3.26	9.00	9.31	0.68	3.15	3.36	2.86	C	1,575
	2.0+4.2+4.2	1.58	3.34	3.34	---	---	2.94	8.26	8.49	0.60	3.00	3.13	2.75	D	1,500
	2.0+4.2+5.0	1.53	3.20	3.81	---	---	3.05	8.54	8.84	0.64	3.09	3.29	2.76	D	1,545
	2.0+4.2+6.0	1.46	3.06	4.37	---	---	3.20	8.89	9.30	0.64	3.08	3.36	2.89	C	1,540
	2.0+4.2+7.1	1.36	2.84	4.80	---	---	3.36	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.0+5.0+5.0	1.46	3.68	3.68	---	---	3.17	8.82	9.02	0.64	3.18	3.32	2.77	D	1,590
	2.0+5.0+6.0	1.39	3.46	4.15	---	---	3.32	9.00	9.47	0.68	2.97	3.39	3.03	B	1,485
	2.0+5.0+7.1	1.28	3.19	4.53	---	---	3.48	9.00	9.49	0.71	2.90	3.39	3.10	B	1,450
	2.0+6.0+6.0	1.28	3.86	3.86	---	---	3.46	9.00	9.93	0.68	2.68	3.46	3.36	A	1,340
	2.0+6.0+7.1	1.19	3.58	4.23	---	---	3.63	9.00	10.40	0.71	2.61	4.00	3.45	A	1,305
	2.5+2.5+2.5	2.41	2.41	2.41	---	---	2.51	7.23	7.64	0.54	2.34	2.57	3.09	B	1,170
	2.5+2.5+3.5	2.23	2.23	3.13	---	---	2.66	7.59	8.25	0.57	2.57	3.00	2.95	C	1,285
	2.5+2.5+4.2	2.13	2.13	3.58	---	---	2.76	7.84	8.47	0.57	2.69	3.13	2.91	C	1,345
	2.5+2.5+5.0	2.03	2.03	4.06	---	---	2.88	8.12	8.65	0.61	2.83	3.15	2.87	C	1,415
	2.5+2.5+6.0	1.93	1.93	4.61	---	---	3.02	8.47	9.10	0.61	2.82	3.22	3.00	C	1,410
	2.5+2.5+7.1	1.83	1.83	5.20	---	---	3.19	8.86	9.30	0.64	3.08	3.36	2.88	C	1,540
	2.5+3.5+3.5	2.08	2.93	2.93	---	---	2.80	7.94	8.47	0.60	2.75	3.13	2.89	C	1,375
	2.5+3.5+4.2	2.01	2.81	3.37	---	---	2.91	8.19	8.48	0.60	2.94	3.13	2.79	D	1,470
	2.5+3.5+5.0	1.93	2.70	3.84	---	---	3.02	8.47	8.66	0.64	3.02	3.16	2.80	D	1,510
	2.5+3.5+6.0	1.84	2.57	4.41	---	---	3.17	8.82	9.29	0.64	3.01	3.36	2.93	C	1,505
	2.5+3.5+7.1	1.72	2.40	4.88	---	---	3.33	9.00	9.31	0.68	3.15	3.36	2.86	C	1,575
	2.5+4.2+4.2	1.94	3.25	3.25	---	---	3.01	8.44	8.44	0.64	3.13	3.13	2.70	D	1,565
	2.5+4.2+5.0	1.86	3.13	3.73	---	---	3.13	8.72	8.84	0.64	3.22	3.29	2.71	D	1,610
	2.5+4.2+6.0	1.77	2.98	4.25	---	---	3.27	9.00	9.30	0.68	3.15	3.36	2.86	C	1,575
	2.5+4.2+7.1	1.63	2.74	4.63	---	---	3.44	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	2.5+5.0+5.0	1.80	3.60	3.60	---	---	3.24	9.00	9.02	0.67	3.32	3.37	2.71	D	1,660
	2.5+5.0+6.0	1.67	3.33	4.00	---	---	3.39	9.00	9.47	0.68	3.04	3.39	2.96	C	1,520
	2.5+5.0+7.1	1.54	3.08	4.38	---	---	3.55	9.00	9.49	0.71	2.97	3.39	3.03	B	1,485
	2.5+6.0+6.0	1.56	3.72	3.72	---	---	3.54	9.00	9.93	0.71	2.75	3.46	3.27	A	1,375
	2.5+6.0+7.1	1.44	3.46	4.10	---	---	3.70	9.00	10.40	0.71	2.68	4.00	3.36	A	1,340
	3.5+3.5+3.5	2.77	2.77	2.77	---	---	2.95	8.31	8.60	0.64	3.07	3.26	2.71	D	1,535
	3.5+3.5+4.2	2.67	2.67	3.20	---	---	3.05	8.54	8.66	0.64	3.20	3.26	2.67	D	1,600
	3.5+3.5+5.0	2.57	2.57	3.68	---	---	3.17	8.82	8.84	0.67	3.29	3.32	2.68	D	1,645
	3.5+3.5+6.0	2.42	2.42	4.16	---	---	3.32	9.00	9.30	0.68	3.08	3.36	2.92	C	1,540
	3.5+3.5+7.1	2.23	2.23	4.54	---	---	3.48	9.00	9.32	0.71	3.02	3.36	2.98	C	1,510
	3.5+4.2+4.2	2.59	3.10	3.10	---	---	3.16	8.79	8.79	0.67	3.26	3.26	2.70	D	1,630
	3.5+4.2+5.0	2.48	2.98	3.54	---	---	3.27	9.00	9.00	0.67	3.29	3.29	2.74	D	1,645
	3.5+4.2+6.0	2.30	2.76	3.94	---	---	3.42	9.00	9.31	0.71	3.15	3.36	2.86	C	1,575
	3.5+4.2+7.1	2.13	2.55	4.32	---	---	3.58	9.00	9.81	0.75	3.15	3.95	2.86	C	1,575
	3.5+5.0+5.0	2.34	3.33	3.33	---	---	3.39	9.00	9.02	0.71	3.32	3.35	2.71	D	1,660
	3.5+5.0+6.0	2.18	3.10	3.72	---	---	3.54	9.00	9.48	0.71	3.04	3.39	2.96	C	1,520
	3.5+5.0+7.1	2.02	2.88	4.10	---	---	3.70	9.00	9.94	0.75	2.97	3.91	3.03	B	1,485
	3.5+6.0+6.0	2.04	3.48	3.48	---	---	3.69	9.00	10.38	0.71	2.75	4.00	3.27	A	1,375
	4.2+4.2+4.2	3.00	3.00	3.00	---	---	3.26	9.00	9.00	0.71	3.27	3.27	2.75	D	1,635

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	4.2+4.2+5.0	2.82	2.82	3.36	---	---	3.38	9.00	9.08	0.71	3.29	3.29	2.74	D	1,645
	4.2+4.2+6.0	2.63	2.63	3.74	---	---	3.52	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	4.2+4.2+7.1	2.44	2.44	4.12	---	---	3.69	9.00	9.82	0.75	3.16	3.95	2.85	C	1,580
	4.2+5.0+5.0	2.66	3.17	3.17	---	---	3.49	9.00	9.03	0.74	3.32	3.32	2.71	D	1,660
	4.2+5.0+6.0	2.49	2.96	3.55	---	---	3.64	9.00	9.98	0.75	3.04	3.98	2.96	C	1,520
	5.0+5.0+5.0	3.00	3.00	3.00	---	---	3.61	9.00	9.78	0.75	3.21	4.07	2.80	D	1,605
	2.0+2.0+2.0+2.0	1.86	1.86	1.86	1.86	---	2.58	7.44	7.96	0.54	2.04	2.32	3.65	A	1,020
	2.0+2.0+2.0+2.5	1.79	1.79	1.79	2.22	---	2.66	7.59	8.25	0.54	2.09	2.50	3.63	A	1,045
	2.0+2.0+2.0+3.5	1.67	1.67	1.67	2.93	---	2.80	7.94	8.78	0.58	2.32	2.82	3.42	A	1,160
	2.0+2.0+2.0+4.2	1.61	1.61	1.61	3.36	---	2.91	8.19	9.12	0.61	2.63	3.22	3.11	B	1,315
	2.0+2.0+2.0+5.0	1.54	1.54	1.54	3.85	---	3.02	8.47	9.30	0.61	2.71	3.25	3.13	B	1,355
	2.0+2.0+2.0+6.0	1.47	1.47	1.47	4.41	---	3.17	8.82	9.81	0.65	2.68	3.38	3.29	A	1,340
	2.0+2.0+2.0+7.1	1.37	1.37	1.37	4.89	---	3.33	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	2.0+2.0+2.5+2.5	1.73	1.73	2.16	2.16	---	2.73	7.78	8.53	0.58	2.21	2.69	3.52	A	1,105
	2.0+2.0+2.5+3.5	1.62	1.62	2.03	2.85	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.0+2.0+2.5+4.2	1.56	1.56	1.96	3.29	---	2.98	8.37	9.13	0.61	2.69	3.22	3.11	B	1,345
	2.0+2.0+2.5+5.0	1.50	1.50	1.88	3.77	---	3.10	8.65	9.49	0.64	2.84	3.39	3.05	B	1,420
	2.0+2.0+2.5+6.0	1.44	1.44	1.80	4.32	---	3.24	9.00	9.94	0.65	2.81	3.46	3.20	B	1,405
	2.0+2.0+2.5+7.1	1.32	1.32	1.65	4.71	---	3.41	9.00	9.96	0.68	2.82	3.46	3.19	B	1,410
	2.0+2.0+3.5+3.5	1.54	1.54	2.70	2.70	---	3.02	8.48	9.13	0.61	2.82	3.22	3.01	B	1,410
	2.0+2.0+3.5+4.2	1.49	1.49	2.61	3.13	---	3.13	8.72	9.32	0.64	2.95	3.36	2.96	C	1,475
	2.0+2.0+3.5+5.0	1.44	1.44	2.52	3.60	---	3.24	9.00	9.49	0.64	3.04	3.39	2.96	C	1,520
	2.0+2.0+3.5+6.0	1.33	1.33	2.34	4.00	---	3.39	9.00	9.95	0.68	2.75	3.46	3.27	A	1,375
	2.0+2.0+3.5+7.1	1.23	1.23	2.16	4.38	---	3.55	9.00	9.97	0.71	2.68	3.46	3.36	A	1,340
	2.0+2.0+4.2+4.2	1.45	1.45	3.03	3.03	---	3.23	8.96	9.33	0.64	3.09	3.36	2.90	C	1,545
	2.0+2.0+4.2+5.0	1.36	1.36	2.87	3.41	---	3.35	9.00	9.50	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.0+4.2+6.0	1.27	1.27	2.66	3.80	---	3.49	9.00	9.96	0.68	2.81	3.46	3.20	B	1,405
	2.0+2.0+4.2+7.1	1.18	1.18	2.47	4.17	---	3.66	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	2.0+2.0+5.0+5.0	1.29	1.29	3.21	3.21	---	3.46	9.00	9.68	0.68	2.92	3.42	3.08	B	1,460
	2.0+2.0+5.0+6.0	1.20	1.20	3.00	3.60	---	3.61	9.00	10.45	0.71	2.70	3.88	3.33	A	1,350
	2.0+2.5+2.5+2.5	1.67	2.09	2.09	2.09	---	2.80	7.94	8.78	0.58	2.32	2.82	3.42	A	1,160
	2.0+2.5+2.5+3.5	1.57	1.98	1.98	2.77	---	2.95	8.30	9.12	0.61	2.69	3.22	3.09	B	1,345
	2.0+2.5+2.5+4.2	1.53	1.91	1.91	3.19	---	3.05	8.54	9.31	0.61	2.82	3.36	3.03	B	1,410
	2.0+2.5+2.5+5.0	1.46	1.84	1.84	3.68	---	3.17	8.82	9.49	0.64	2.90	3.39	3.04	B	1,450
	2.0+2.5+2.5+6.0	1.39	1.73	1.73	4.15	---	3.32	9.00	9.94	0.65	2.75	3.46	3.27	A	1,375
	2.0+2.5+2.5+7.1	1.27	1.60	1.60	4.53	---	3.48	9.00	9.96	0.68	2.68	3.46	3.36	A	1,340
	2.0+2.5+3.5+3.5	1.50	1.89	2.63	2.63	---	3.10	8.65	9.31	0.64	2.88	3.36	3.00	C	1,440
	2.0+2.5+3.5+4.2	1.46	1.82	2.55	3.06	---	3.20	8.89	9.32	0.64	3.08	3.36	2.89	C	1,540
	2.0+2.5+3.5+5.0	1.39	1.73	2.42	3.46	---	3.32	9.00	9.49	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.5+3.5+6.0	1.28	1.61	2.25	3.86	---	3.46	9.00	9.95	0.68	2.75	3.46	3.27	A	1,375
	2.0+2.5+3.5+7.1	1.19	1.49	2.09	4.23	---	3.63	9.00	10.42	0.71	2.68	4.01	3.36	A	1,340
	2.0+2.5+4.2+4.2	1.40	1.74	2.93	2.93	---	3.30	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575
	2.0+2.5+4.2+5.0	1.32	1.64	2.76	3.28	---	3.42	9.00	9.50	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.5+4.2+6.0	1.23	1.53	2.57	3.67	---	3.57	9.00	10.41	0.71	2.81	4.00	3.20	B	1,405
	2.0+2.5+5.0+5.0	1.25	1.55	3.10	3.10	---	3.54	9.00	9.68	0.71	2.92	3.42	3.08	B	1,460
	2.0+2.5+5.0+6.0	1.17	1.45	2.90	3.48	---	3.69	9.00	10.49	0.71	2.70	3.96	3.33	A	1,350
	2.0+3.5+3.5+3.5	1.44	2.52	2.52	2.52	---	3.24	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.0+3.5+3.5+4.2	1.36	2.39	2.39	2.86	---	3.35	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0+3.5+3.5+5.0	1.29	2.25	2.25	3.21	---	3.46	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.0+3.5+3.5+6.0	1.20	2.10	2.10	3.60	---	3.61	9.00	10.40	0.71	2.75	4.01	3.27	A	1,375
	2.0+3.5+4.2+4.2	1.29	2.27	2.72	2.72	---	3.45	9.00	9.33	0.71	3.16	3.37	2.85	C	1,580
	2.0+3.5+4.2+5.0	1.23	2.14	2.57	3.06	---	3.57	9.00	10.00	0.71	3.04	3.99	2.96	C	1,520
	2.0+3.5+5.0+5.0	1.17	2.03	2.90	2.90	---	3.69	9.00	10.26	0.75	2.92	4.19	3.08	B	1,460
	2.0+4.2+4.2+4.2	1.23	2.59	2.59	2.59	---	3.55	9.00	9.34	0.71	3.16	3.37	2.85	C	1,580
	2.0+4.2+4.2+5.0	1.18	2.45	2.45	2.92	---	3.67	9.00	10.01	0.75	3.04	3.99	2.96	C	1,520
	2.5+2.5+2.5+2.5	2.03	2.03	2.03	2.03	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.5+2.5+2.5+3.5	1.93	1.93	1.93	2.68	---	3.02	8.47	9.12	0.61	2.82	3.22	3.00	C	1,410
	2.5+2.5+2.5+4.2	1.87	1.86	1.86	3.13	---	3.13	8.72	9.31	0.64	2.95	3.36	2.96	C	1,475
	2.5+2.5+2.5+5.0	1.80	1.80	1.80	3.60	---	3.24	9.00	9.49	0.64	3.04	3.39	2.96	C	1,520
	2.5+2.5+2.5+6.0	1.67	1.67	1.67	3.99	---	3.39	9.00	9.94	0.68	2.75	3.46	3.27	A	1,375
	2.5+2.5+2.5+7.1	1.54	1.54	1.54	4.38	---	3.55	9.00	9.96	0.71	2.68	3.46	3.36	A	1,340
	2.5+2.5+3.5+3.5	1.84	1.84	2.57	2.57	---	3.17	8.82	9.31	0.64	3.02	3.36	2.92	C	1,510
	2.5+2.5+3.5+4.2	1.77	1.77	2.48	2.98	---	3.27	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.5+2.5+3.5+5.0	1.67	1.67	2.33	3.33	---	3.39	9.00	9.49	0.68	3.04	3.39	2.96	C	1,520
	2.5+2.5+3.5+6.0	1.55	1.55	2.18	3.72	---	3.54	9.00	9.95	0.71	2.75	3.46	3.27	A	1,375
	2.5+2.5+3.5+7.1	1.44	1.44	2.02	4.10	---	3.70	9.00	10.42	0.71	2.68	4.01	3.36	A	1,340
	2.5+2.5+4.2+4.2	1.68	1.68	2.82	2.82	---	3.38	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575
	2.5+2.5+4.2+5.0	1.58	1.58	2.67	3.17	---	3.49	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.5+2.5+4.2+6.0	1.48	1.48	2.49	3.55	---	3.64	9.00	10.47	0.71	2.81	4.00	3.20	B	1,405
	2.5+2.5+5.0+5.0	1.50	1.50	3.00	3.00	---	3.61	9.00	10.25	0.71	2.92	4.18	3.08	B	1,460
	2.5+3.5+3.5+3.5	1.74	2.42	2.42	2.42	---	3.32	9.00	9.34	0.68	3.15	3.36	2.86	C	1,575
	2.5+3.5+3.5+4.2	1.64	2.30	2.30	2.76	---	3.42	9.00	9.33	0.71	3.15	3.36	2.86	C	1,575
	2.5+3.5+3.5+5.0	1.56	2.17	2.17	3.10	---	3.54	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.5+3.5+3.5+6.0	1.46	2.03	2.03	3.48	---	3.69	9.00	10.40	0.71	2.75	4.01	3.27	A	1,375
	2.5+3.5+4.2+4.2	1.56	2.18	2.63	2.63	---	3.52	9.00	9.33	0.71	3.16	3.37	2.85	C	1,580
	2.5+3.5+4.2+5.0	1.48	2.07	2.49	2.96	---	3.64	9.00	10.00	0.75	3.04	3.99	2.96	C	1,520
	2.5+4.2+4.2+4.2	1.50	2.50	2.50	2.50	---	3.63	9.00	9.83	0.75	3.16	3.95	2.85	C	1,580
	3.5+3.5+3.5+3.5	2.25	2.25	2.25	2.25	---	3.46	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	3.5+3.5+3.5+4.2	2.14	2.14	2.14	2.58	---	3.57	9.00	9.82	0.75	3.16	3.95	2.85	C	1,580
	3.5+3.5+3.5+5.0	2.03	2.03	2.03	2.91	---	3.69	9.00	9.95	0.75	3.04	3.91	2.96	C	1,520
	3.5+3.5+4.2+4.2	2.05	2.05	2.45	2.45	---	3.67	9.00	9.83	0.75	3.16	3.95	2.85	C	1,580
	2.0+2.0+2.0+2.0+2.0	1.63	1.63	1.63	1.63	1.63	2.88	8.15	9.03	0.58	2.30	2.81	3.54	A	1,150
	2.0+2.0+2.0+2.0+2.5	1.58	1.58	1.58	1.58	1.98	2.95	8.30	9.25	0.58	2.36	2.95	3.52	A	1,180
	2.0+2.0+2.0+2.0+3.5	1.50	1.50	1.50	1.50	2.65	3.10	8.65	9.64	0.61	2.55	3.24	3.39	A	1,275
	2.0+2.0+2.0+2.0+4.2	1.46	1.46	1.46	1.46	3.05	3.20	8.89	9.87	0.65	2.68	3.39	3.32	A	1,340
	2.0+2.0+2.0+2.0+5.0	1.38	1.38	1.38	1.38	3.48	3.32	9.00	10.09	0.65	2.70	3.49	3.33	A	1,350
	2.0+2.0+2.0+2.0+6.0	1.29	1.29	1.29	1.29	3.84	3.46	9.00	10.31	0.65	2.50	3.40	3.60	A	1,250
	2.0+2.0+2.0+2.0+7.1	1.19	1.19	1.19	1.19	4.24	3.63	9.00	10.46	0.68	2.47	3.48	3.64	A	1,235
	2.0+2.0+2.0+2.5+2.5	1.54	1.54	1.54	1.92	1.92	3.02	8.46	9.45	0.61	2.49	3.09	3.40	A	1,245
	2.0+2.0+2.0+2.5+3.5	1.47	1.47	1.47	1.84	2.57	3.17	8.82	9.81	0.61	2.68	3.39	3.29	A	1,340
	2.0+2.0+2.0+2.5+4.2	1.42	1.42	1.42	1.77	2.97	3.27	9.00	9.97	0.65	2.82	3.46	3.19	B	1,410
	2.0+2.0+2.0+2.5+5.0	1.33	1.33	1.33	1.67	3.34	3.39	9.00	10.15	0.65	2.70	3.49	3.33	A	1,350
	2.0+2.0+2.0+2.5+6.0	1.24	1.24	1.24	1.55	3.73	3.54	9.00	10.38	0.68	2.50	3.40	3.60	A	1,250
	2.0+2.0+2.0+2.5+7.1	1.15	1.15	1.15	1.44	4.11	3.70	9.00	10.50	0.71	2.47	3.48	3.64	A	1,235
	2.0+2.0+2.0+3.5+3.5	1.54	1.54	1.54	1.92	1.92	3.02	8.46	9.45	0.61	2.49	3.09	3.40	A	1,245
	2.0+2.0+2.0+3.5+4.2	1.31	1.31	1.31	2.31	2.76	3.42	9.00	9.98	0.68	2.75	3.46	3.27	A	1,375

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	20+20+20+35+50	1.24	1.24	1.24	2.17	3.11	3.54	9.00	10.16	0.68	2.74	3.49	3.28	A	1,370
	20+20+20+35+60	1.16	1.16	1.16	2.03	3.49	3.69	9.00	10.49	0.71	2.46	3.48	3.66	A	1,230
	20+20+20+42+42	1.24	1.24	1.24	2.64	2.64	3.52	9.00	9.99	0.68	2.75	3.47	3.27	A	1,375
	20+20+20+42+50	1.18	1.18	1.18	2.50	2.96	3.64	9.00	10.47	0.71	2.70	3.89	3.33	A	1,350
	20+20+25+25+25	1.51	1.51	1.88	1.88	1.88	3.10	8.66	9.64	0.61	2.55	3.24	3.40	A	1,275
	20+20+25+25+35	1.44	1.44	1.80	1.80	2.52	3.24	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	20+20+25+25+42	1.37	1.37	1.70	1.70	2.86	3.35	9.00	9.66	0.65	2.86	3.46	3.15	B	1,430
	20+20+25+25+50	1.29	1.29	1.61	1.61	3.20	3.46	9.00	10.15	0.68	2.70	3.49	3.33	A	1,350
	20+20+25+25+60	1.20	1.20	1.50	1.50	3.60	3.61	9.00	10.45	0.68	2.46	3.48	3.66	A	1,230
	20+20+25+35+35	1.33	1.33	1.68	2.33	2.33	3.39	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+20+25+35+42	1.27	1.27	1.58	2.22	2.66	3.49	9.00	9.66	0.68	2.79	3.46	3.23	A	1,395
	20+20+25+35+50	1.20	1.20	1.50	2.10	3.00	3.61	9.00	10.45	0.71	2.70	3.80	3.33	A	1,350
	20+20+25+42+42	1.21	1.21	1.50	2.54	2.54	3.60	9.00	10.44	0.71	2.75	4.01	3.27	A	1,375
	20+20+35+35+35	1.23	1.23	2.18	2.18	2.18	3.54	9.00	9.98	0.68	2.82	3.46	3.19	B	1,410
	20+20+35+35+42	1.18	1.18	2.07	2.07	2.50	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	20+25+25+25+25	1.46	1.84	1.84	1.84	1.84	3.17	8.82	9.81	0.61	2.68	3.39	3.29	A	1,340
	20+25+25+25+35	1.39	1.73	1.73	1.73	2.42	3.32	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	20+25+25+25+42	1.32	1.64	1.64	1.64	2.76	3.42	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+25+25+25+50	1.25	1.55	1.55	1.55	3.10	3.54	9.00	10.15	0.68	2.70	3.49	3.33	A	1,350
	20+25+25+25+60	1.17	1.45	1.45	1.45	3.48	3.69	9.00	10.49	0.71	2.46	3.48	3.66	A	1,230
	20+25+25+35+35	1.28	1.61	1.61	2.25	2.25	3.46	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+25+25+35+42	1.23	1.53	1.53	2.14	2.57	3.57	9.00	10.41	0.71	2.75	4.01	3.27	A	1,375
	20+25+25+35+50	1.17	1.45	1.45	2.03	2.90	3.69	9.00	10.49	0.71	2.70	3.88	3.33	A	1,350
	20+25+25+42+42	1.18	1.46	1.46	2.45	2.45	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	20+25+35+35+35	1.20	1.50	2.10	2.10	2.10	3.61	9.00	10.42	0.71	2.82	4.01	3.19	B	1,410
	25+25+25+25+25	1.80	1.80	1.80	1.80	1.80	3.24	9.00	9.95	0.65	2.81	3.46	3.20	B	1,405
	25+25+25+25+35	1.67	1.67	1.67	1.67	2.32	3.39	9.00	9.96	0.68	2.75	3.46	3.27	A	1,375
	25+25+25+25+42	1.58	1.58	1.58	1.58	2.68	3.49	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	25+25+25+25+50	1.50	1.50	1.50	1.50	3.00	3.61	9.00	10.45	0.71	2.70	3.88	3.33	A	1,350
	25+25+25+35+35	1.56	1.56	1.56	2.16	2.16	3.54	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	25+25+25+35+42	1.48	1.48	1.48	2.07	2.49	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	25+25+35+35+35	1.44	1.44	2.04	2.04	2.04	3.69	9.00	10.42	0.71	2.75	4.01	3.27	A	1,375

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0	2.44	---	---	---	---	1.36	2.44	4.20	0.35	0.68	1.38	3.59	B
	2.5	3.05	---	---	---	---	1.42	3.05	4.65	0.37	0.90	1.48	3.39	C
	3.5	4.27	---	---	---	---	1.54	4.27	5.11	0.39	1.43	1.95	2.99	D
	4.2	5.12	---	---	---	---	1.75	5.12	5.16	0.60	1.73	1.98	2.96	D
	5.0	6.09	---	---	---	---	1.98	6.09	7.42	0.48	1.91	2.48	3.19	D
	6.0	7.31	---	---	---	---	2.28	7.31	8.53	0.60	2.30	2.89	3.18	D
	7.1	8.65	---	---	---	---	2.60	8.65	9.02	0.67	2.87	3.04	3.01	D
	2.0+2.0	2.44	2.44	---	---	---	1.69	4.88	6.85	0.39	1.21	1.87	4.03	A
	2.0+2.5	2.44	3.05	---	---	---	1.84	5.49	7.25	0.41	1.40	2.05	3.92	A
	2.0+3.5	2.44	4.26	---	---	---	2.13	6.70	7.74	0.50	1.99	2.44	3.37	C
	2.0+4.2	2.44	5.11	---	---	---	2.34	7.55	8.53	0.62	2.33	2.81	3.24	C
	2.0+5.0	2.44	6.09	---	---	---	2.57	8.53	9.09	0.63	2.45	2.66	3.48	B
	2.0+6.0	2.32	6.95	---	---	---	2.86	9.27	9.88	0.65	2.63	2.96	3.52	B
	2.0+7.1	2.20	7.83	---	---	---	3.17	10.03	10.37	0.69	3.01	3.18	3.33	C
	2.5+2.5	3.04	3.04	---	---	---	1.98	6.08	7.46	0.47	1.76	2.35	3.45	B
	2.5+3.5	3.05	4.26	---	---	---	2.28	7.31	8.53	0.60	2.34	2.94	3.12	D
	2.5+4.2	3.04	5.12	---	---	---	2.49	8.16	9.02	0.65	2.76	3.18	2.96	D
	2.5+5.0	2.98	5.95	---	---	---	2.72	8.93	9.70	0.66	2.61	2.99	3.42	B
	2.5+6.0	2.83	6.79	---	---	---	3.00	9.62	9.88	0.67	2.86	3.03	3.36	C
	2.5+7.1	2.70	7.68	---	---	---	3.31	10.38	10.77	0.72	3.22	3.46	3.22	C
	3.5+3.5	4.27	4.27	---	---	---	2.57	8.54	9.02	0.65	2.91	3.15	2.93	D
	3.5+4.2	4.12	4.94	---	---	---	2.77	9.06	9.60	0.70	3.21	3.53	2.82	D
	3.5+5.0	3.96	5.66	---	---	---	3.00	9.62	9.70	0.71	2.93	2.98	3.28	C
	3.5+6.0	3.80	6.51	---	---	---	3.28	10.31	10.75	0.72	3.19	3.43	3.23	C
	3.5+7.1	3.43	6.97	---	---	---	3.59	10.40	10.78	0.77	3.11	3.35	3.34	C
	4.2+4.2	4.77	4.77	---	---	---	2.97	9.54	9.61	0.72	3.47	3.53	2.75	E
	4.2+5.0	4.61	5.49	---	---	---	3.20	10.10	10.12	0.73	3.22	3.28	3.14	D
	4.2+6.0	4.28	6.12	---	---	---	3.48	10.40	10.76	0.75	3.24	3.42	3.21	C
	4.2+7.1	3.87	6.53	---	---	---	3.79	10.40	10.78	0.79	3.11	3.34	3.34	C
	5.0+5.0	5.20	5.20	---	---	---	3.42	10.40	10.64	0.76	3.28	3.40	3.17	D
	5.0+6.0	4.73	5.67	---	---	---	3.70	10.40	10.88	0.75	3.08	3.31	3.38	C
	5.0+7.1	4.30	6.10	---	---	---	4.01	10.40	10.51	0.83	3.01	3.06	3.46	B
	6.0+6.0	5.20	5.20	---	---	---	3.99	10.40	10.71	0.76	2.88	3.04	3.61	A
	6.0+7.1	4.76	5.64	---	---	---	4.30	10.40	10.74	0.84	2.86	3.03	3.64	A
	7.1+7.1	5.20	5.20	---	---	---	4.61	10.40	10.77	0.89	2.85	3.02	3.65	A
	2.0+2.0+2.0	2.44	2.44	2.44	---	---	2.28	7.32	8.67	0.53	1.84	2.32	3.98	A
	2.0+2.0+2.5	2.44	2.44	3.04	---	---	2.43	7.92	9.21	0.55	2.05	2.58	3.86	A
	2.0+2.0+3.5	2.38	2.38	4.17	---	---	2.72	8.93	9.89	0.60	2.42	2.89	3.69	A
	2.0+2.0+4.2	2.30	2.30	4.81	---	---	2.91	9.41	9.89	0.64	2.62	2.89	3.59	B
	2.0+2.0+5.0	2.21	2.21	5.54	---	---	3.14	9.96	10.48	0.65	2.84	3.07	3.51	B
	2.0+2.0+6.0	2.08	2.08	6.24	---	---	3.42	10.40	10.71	0.66	2.87	3.04	3.62	A
	2.0+2.0+7.1	1.87	1.87	6.66	---	---	3.73	10.40	10.75	0.70	2.86	3.03	3.64	A
	2.0+2.5+2.5	2.43	3.05	3.05	---	---	2.57	8.53	9.21	0.57	2.28	2.58	3.74	A
	2.0+2.5+3.5	2.31	2.90	4.06	---	---	2.86	9.27	9.89	0.62	2.57	2.89	3.61	A
	2.0+2.5+4.2	2.24	2.80	4.71	---	---	3.06	9.75	10.36	0.67	2.78	3.12	3.51	B
	2.0+2.5+5.0	2.17	2.71	5.43	---	---	3.28	10.31	10.48	0.67	3.02	3.07	3.41	B
	2.0+2.5+6.0	1.98	2.48	5.94	---	---	3.56	10.40	10.71	0.68	2.87	3.04	3.62	A
	2.0+2.5+7.1	1.79	2.24	6.37	---	---	3.87	10.40	10.75	0.73	2.86	3.03	3.64	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0+3.5+3.5	2.22	3.87	3.87	---	---	3.14	9.96	10.36	0.69	2.89	3.12	3.45	B
	2.0+3.5+4.2	2.14	3.75	4.51	---	---	3.34	10.40	10.55	0.72	3.18	3.23	3.27	C
	2.0+3.5+5.0	1.98	3.47	4.95	---	---	3.56	10.40	10.90	0.72	3.07	3.30	3.39	C
	2.0+3.5+6.0	1.80	3.17	5.43	---	---	3.84	10.40	10.72	0.73	2.87	3.04	3.62	A
	2.0+3.5+7.1	1.65	2.89	5.86	---	---	4.15	10.40	10.75	0.81	2.86	3.03	3.64	A
	2.0+4.2+4.2	2.00	4.20	4.20	---	---	3.53	10.40	10.56	0.74	3.12	3.23	3.33	C
	2.0+4.2+5.0	1.86	3.90	4.64	---	---	3.76	10.40	10.91	0.77	3.07	3.30	3.39	C
	2.0+4.2+6.0	1.70	3.58	5.12	---	---	4.04	10.40	10.73	0.78	2.87	3.04	3.62	A
	2.0+4.2+7.1	1.56	3.28	5.56	---	---	4.35	10.40	10.76	0.83	2.86	3.02	3.64	A
	2.0+5.0+5.0	1.74	4.33	4.33	---	---	3.99	10.40	10.63	0.80	2.96	3.08	3.51	B
	2.0+5.0+6.0	1.60	4.00	4.80	---	---	4.27	10.40	10.86	0.79	2.77	2.99	3.75	A
	2.0+5.0+7.1	1.47	3.69	5.24	---	---	4.58	10.40	10.89	0.86	2.75	2.97	3.78	A
	2.0+6.0+6.0	1.48	4.46	4.46	---	---	4.55	10.40	11.09	0.82	2.62	2.90	3.97	A
	2.0+6.0+7.1	1.38	4.13	4.89	---	---	4.86	10.40	11.12	0.87	2.61	2.89	3.98	A
	2.5+2.5+2.5	2.98	2.98	2.98	---	---	2.72	8.94	9.88	0.60	2.42	2.89	3.69	A
	2.5+2.5+3.5	2.83	2.83	3.96	---	---	3.00	9.62	9.89	0.67	2.73	2.89	3.52	B
	2.5+2.5+4.2	2.74	2.74	4.62	---	---	3.20	10.10	10.36	0.69	3.01	3.12	3.36	C
	2.5+2.5+5.0	2.60	2.60	5.20	---	---	3.42	10.40	10.89	0.70	3.07	3.30	3.39	C
	2.5+2.5+6.0	2.36	2.36	5.68	---	---	3.70	10.40	10.71	0.71	2.87	3.04	3.62	A
	2.5+2.5+7.1	2.15	2.15	6.10	---	---	4.01	10.40	10.75	0.78	2.86	3.03	3.64	A
	2.5+3.5+3.5	2.71	3.80	3.80	---	---	3.28	10.31	10.76	0.72	3.12	3.35	3.30	C
	2.5+3.5+4.2	2.55	3.57	4.28	---	---	3.48	10.40	10.77	0.74	3.18	3.35	3.27	C
	2.5+3.5+5.0	2.36	3.31	4.73	---	---	3.70	10.40	10.90	0.75	3.07	3.30	3.39	C
	2.5+3.5+6.0	2.17	3.03	5.20	---	---	3.99	10.40	10.72	0.76	2.87	3.04	3.62	A
	2.5+3.5+7.1	1.98	2.78	5.64	---	---	4.30	10.40	10.75	0.83	2.86	3.03	3.64	A
	2.5+4.2+4.2	2.38	4.01	4.01	---	---	3.68	10.40	10.77	0.77	3.12	3.35	3.33	C
	2.5+4.2+5.0	2.23	3.73	4.44	---	---	3.90	10.40	10.91	0.80	3.07	3.30	3.39	C
	2.5+4.2+6.0	2.05	3.44	4.91	---	---	4.18	10.40	10.73	0.81	2.87	3.04	3.62	A
	2.5+4.2+7.1	1.88	3.17	5.35	---	---	4.49	10.40	10.76	0.86	2.86	3.02	3.64	A
	2.5+5.0+5.0	2.08	4.16	4.16	---	---	4.13	10.40	10.63	0.83	2.96	3.08	3.51	B
	2.5+5.0+6.0	1.93	3.85	4.62	---	---	4.41	10.40	10.86	0.84	2.77	2.99	3.75	A
	2.5+5.0+7.1	1.78	3.56	5.06	---	---	4.72	10.40	10.89	0.89	2.75	2.97	3.78	A
	2.5+6.0+6.0	1.80	4.30	4.30	---	---	4.69	10.40	11.09	0.85	2.62	2.90	3.97	A
	2.5+6.0+7.1	1.67	4.00	4.73	---	---	5.00	10.40	11.12	0.90	2.61	2.89	3.98	A
	3.5+3.5+3.5	3.46	3.46	3.46	---	---	3.56	10.38	10.76	0.77	3.12	3.35	3.33	C
	3.5+3.5+4.2	3.25	3.25	3.90	---	---	3.76	10.40	10.77	0.80	3.12	3.35	3.33	C
	3.5+3.5+5.0	3.03	3.03	4.34	---	---	3.99	10.40	10.91	0.83	3.07	3.30	3.39	C
	3.5+3.5+6.0	2.80	2.80	4.80	---	---	4.27	10.40	10.73	0.84	2.87	3.04	3.62	A
	3.5+3.5+7.1	2.58	2.58	5.24	---	---	4.58	10.40	10.76	0.89	2.86	3.02	3.64	A
	3.5+4.2+4.2	3.06	3.67	3.67	---	---	3.96	10.40	10.78	0.85	3.11	3.34	3.34	C
	3.5+4.2+5.0	2.87	3.44	4.09	---	---	4.18	10.40	10.51	0.85	3.01	3.12	3.46	B
	3.5+4.2+6.0	2.66	3.19	4.55	---	---	4.46	10.40	10.74	0.87	2.87	3.03	3.62	A
	3.5+4.2+7.1	2.46	2.95	4.99	---	---	4.78	10.40	10.77	0.95	2.85	3.02	3.65	A
	3.5+5.0+5.0	2.70	3.85	3.85	---	---	4.41	10.40	10.64	0.89	2.96	3.07	3.51	B
	3.5+5.0+6.0	2.51	3.59	4.30	---	---	4.69	10.40	10.86	0.90	2.76	2.98	3.77	A
	3.5+5.0+7.1	2.34	3.33	4.73	---	---	5.00	10.40	10.90	0.95	2.75	2.97	3.78	A
	3.5+6.0+6.0	2.34	4.03	4.03	---	---	4.97	10.40	11.09	0.91	2.62	2.90	3.97	A
	4.2+4.2+4.2	3.47	3.47	3.47	---	---	4.15	10.40	10.79	0.88	3.11	3.34	3.34	C

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	4.2+4.2+5.0	3.26	3.26	3.88	---	---	4.38	10.40	10.52	0.91	3.00	3.12	3.47	B
	4.2+4.2+6.0	3.03	3.03	4.34	---	---	4.66	10.40	10.75	0.92	2.86	3.03	3.64	A
	4.2+4.2+7.1	2.82	2.82	4.76	---	---	4.97	10.40	10.78	0.98	2.85	3.02	3.65	A
	4.2+5.0+5.0	3.08	3.66	3.66	---	---	4.61	10.40	10.64	0.91	2.96	3.07	3.51	B
	4.2+5.0+6.0	2.87	3.42	4.11	---	---	4.89	10.40	10.87	0.93	2.76	2.98	3.77	A
	5.0+5.0+5.0	3.46	3.46	3.46	---	---	4.83	10.38	10.77	0.95	2.85	3.02	3.64	A
	2.0+2.0+2.0+2.0	2.32	2.32	2.32	2.32	---	2.86	9.28	10.18	0.57	2.39	2.76	3.88	A
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.84	---	3.00	9.62	10.18	0.59	2.49	2.76	3.86	A
	2.0+2.0+2.0+3.5	2.17	2.17	2.17	3.80	---	3.28	10.31	10.73	0.63	2.81	3.04	3.67	A
	2.0+2.0+2.0+4.2	2.04	2.04	2.04	4.28	---	3.48	10.40	10.74	0.66	2.87	3.03	3.62	A
	2.0+2.0+2.0+5.0	1.89	1.89	1.89	4.73	---	3.70	10.40	10.86	0.68	2.76	2.99	3.77	A
	2.0+2.0+2.0+6.0	1.73	1.73	1.73	5.21	---	3.99	10.40	11.09	0.69	2.62	2.90	3.97	A
	2.0+2.0+2.0+7.1	1.59	1.59	1.59	5.63	---	4.30	10.40	11.12	0.74	2.61	2.88	3.98	A
	2.0+2.0+2.5+2.5	2.21	2.21	2.77	2.77	---	3.14	9.96	10.72	0.61	2.65	3.04	3.76	A
	2.0+2.0+2.5+3.5	2.08	2.08	2.60	3.64	---	3.42	10.40	10.73	0.66	2.87	3.04	3.62	A
	2.0+2.0+2.5+4.2	1.94	1.94	2.44	4.08	---	3.62	10.40	10.74	0.68	2.87	3.03	3.62	A
	2.0+2.0+2.5+5.0	1.81	1.81	2.26	4.52	---	3.84	10.40	10.86	0.71	2.76	2.99	3.77	A
	2.0+2.0+2.5+6.0	1.66	1.66	2.08	5.00	---	4.13	10.40	11.09	0.72	2.62	2.90	3.97	A
	2.0+2.0+2.5+7.1	1.53	1.53	1.91	5.43	---	4.44	10.40	11.12	0.79	2.61	2.88	3.98	A
	2.0+2.0+3.5+3.5	1.89	1.89	3.31	3.31	---	3.70	10.40	10.74	0.71	2.87	3.03	3.62	A
	2.0+2.0+3.5+4.2	1.78	1.78	3.11	3.73	---	3.90	10.40	10.74	0.76	2.86	3.03	3.64	A
	2.0+2.0+3.5+5.0	1.66	1.66	2.91	4.17	---	4.13	10.40	10.87	0.76	2.76	2.98	3.77	A
	2.0+2.0+3.5+6.0	1.54	1.54	2.70	4.62	---	4.41	10.40	11.10	0.77	2.61	2.89	3.98	A
	2.0+2.0+3.5+7.1	1.42	1.42	2.49	5.07	---	4.72	10.40	11.13	0.84	2.60	2.88	4.00	A
	2.0+2.0+4.2+4.2	1.68	1.68	3.52	3.52	---	4.10	10.40	10.75	0.78	2.86	3.03	3.64	A
	2.0+2.0+4.2+5.0	1.58	1.58	3.31	3.93	---	4.32	10.40	10.88	0.81	2.76	2.98	3.77	A
	2.0+2.0+4.2+6.0	1.46	1.46	3.09	4.39	---	4.61	10.40	11.11	0.82	2.61	2.89	3.98	A
	2.0+2.0+4.2+7.1	1.36	1.36	2.85	4.83	---	4.92	10.40	11.14	0.90	2.60	2.88	4.00	A
	2.0+2.0+5.0+5.0	1.49	1.49	3.71	3.71	---	4.55	10.40	11.01	0.84	2.71	2.93	3.84	A
	2.0+2.0+5.0+6.0	1.39	1.39	3.47	4.15	---	4.83	10.40	11.23	0.85	2.51	2.90	4.14	A
	2.0+2.5+2.5+2.5	2.18	2.71	2.71	2.71	---	3.28	10.31	10.72	0.64	2.82	3.04	3.66	A
	2.0+2.5+2.5+3.5	1.97	2.48	2.48	3.47	---	3.56	10.40	10.73	0.68	2.87	3.04	3.62	A
	2.0+2.5+2.5+4.2	1.86	2.32	2.32	3.90	---	3.76	10.40	10.74	0.73	2.87	3.03	3.62	A
	2.0+2.5+2.5+5.0	1.73	2.17	2.17	4.33	---	3.99	10.40	10.86	0.73	2.76	2.99	3.77	A
	2.0+2.5+2.5+6.0	1.60	2.00	2.00	4.80	---	4.27	10.40	11.09	0.74	2.62	2.90	3.97	A
	2.0+2.5+2.5+7.1	1.48	1.84	1.84	5.24	---	4.58	10.40	11.12	0.82	2.61	2.88	3.98	A
	2.0+2.5+3.5+3.5	1.80	2.26	3.17	3.17	---	3.84	10.40	10.74	0.73	2.87	3.03	3.62	A
	2.0+2.5+3.5+4.2	1.71	2.13	2.98	3.58	---	4.04	10.40	10.74	0.78	2.86	3.03	3.64	A
	2.0+2.5+3.5+5.0	1.60	2.00	2.80	4.00	---	4.27	10.40	10.87	0.78	2.76	2.98	3.77	A
	2.0+2.5+3.5+6.0	1.48	1.86	2.60	4.46	---	4.55	10.40	11.10	0.82	2.61	2.89	3.98	A
	2.0+2.5+3.5+7.1	1.38	1.72	2.41	4.89	---	4.86	10.40	11.13	0.87	2.60	2.88	4.00	A
	2.0+2.5+4.2+4.2	1.61	2.01	3.39	3.39	---	4.24	10.40	10.75	0.81	2.86	3.03	3.64	A
	2.0+2.5+4.2+5.0	1.52	1.90	3.19	3.79	---	4.46	10.40	10.88	0.84	2.76	2.98	3.77	A
	2.0+2.5+4.2+6.0	1.42	1.77	2.97	4.24	---	4.75	10.40	11.11	0.85	2.61	2.89	3.98	A
	2.0+2.5+5.0+5.0	1.43	1.79	3.59	3.59	---	4.69	10.40	11.01	0.87	2.71	2.93	3.84	A
	2.0+2.5+5.0+6.0	1.34	1.68	3.35	4.03	---	4.97	10.40	11.23	0.88	2.51	2.90	4.14	A
	2.0+3.5+3.5+3.5	1.67	2.91	2.91	2.91	---	4.13	10.40	10.74	0.78	2.86	3.03	3.64	A
	2.0+3.5+3.5+4.2	1.58	2.76	2.76	3.30	---	4.32	10.40	10.75	0.84	2.86	3.03	3.64	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0+3.5+3.5+5.0	1.49	2.60	2.60	3.71	---	4.55	10.40	10.88	0.87	2.76	2.98	3.77	A
	2.0+3.5+3.5+6.0	1.38	2.43	2.43	4.16	---	4.83	10.40	11.11	0.87	2.61	2.89	3.98	A
	2.0+3.5+4.2+4.2	1.50	2.62	3.14	3.14	---	4.52	10.40	10.76	0.89	2.86	3.02	3.64	A
	2.0+3.5+4.2+5.0	1.41	2.48	2.97	3.54	---	4.75	10.40	10.89	0.89	2.75	2.98	3.78	A
	2.0+3.5+5.0+5.0	1.35	2.35	3.35	3.35	---	4.97	10.40	11.01	0.92	2.65	2.93	3.92	A
	2.0+4.2+4.2+4.2	1.43	2.99	2.99	2.99	---	4.72	10.40	10.77	0.92	2.85	3.02	3.65	A
	2.0+4.2+4.2+5.0	1.35	2.84	2.84	3.37	---	4.94	10.40	10.90	0.95	2.75	2.97	3.78	A
	2.5+2.5+2.5+2.5	2.60	2.60	2.60	2.60	---	3.42	10.40	10.72	0.66	2.87	3.04	3.62	A
	2.5+2.5+2.5+3.5	2.36	2.36	2.36	3.32	---	3.70	10.40	10.73	0.71	2.87	3.04	3.62	A
	2.5+2.5+2.5+4.2	2.22	2.22	2.22	3.74	---	3.90	10.40	10.74	0.76	2.87	3.03	3.62	A
	2.5+2.5+2.5+5.0	2.08	2.08	2.08	4.16	---	4.13	10.40	10.86	0.76	2.76	2.99	3.77	A
	2.5+2.5+2.5+6.0	1.93	1.93	1.93	4.61	---	4.41	10.40	11.09	0.77	2.62	2.90	3.97	A
	2.5+2.5+2.5+7.1	1.78	1.78	1.78	5.06	---	4.72	10.40	11.12	0.84	2.61	2.88	3.98	A
	2.5+2.5+3.5+3.5	2.17	2.17	3.03	3.03	---	3.99	10.40	10.74	0.76	2.87	3.03	3.62	A
	2.5+2.5+3.5+4.2	2.05	2.05	2.87	3.43	---	4.18	10.40	10.74	0.81	2.86	3.03	3.64	A
	2.5+2.5+3.5+5.0	1.93	1.93	2.70	3.84	---	4.41	10.40	10.87	0.84	2.76	2.98	3.77	A
	2.5+2.5+3.5+6.0	1.79	1.79	2.51	4.31	---	4.69	10.40	11.10	0.85	2.61	2.89	3.98	A
	2.5+2.5+3.5+7.1	1.67	1.67	2.33	4.73	---	5.00	10.40	11.13	0.90	2.60	2.88	4.00	A
	2.5+2.5+4.2+4.2	1.94	1.94	3.26	3.26	---	4.38	10.40	10.75	0.84	2.86	3.03	3.64	A
	2.5+2.5+4.2+5.0	1.83	1.83	3.08	3.66	---	4.61	10.40	10.88	0.87	2.76	2.98	3.77	A
	2.5+2.5+4.2+6.0	1.71	1.71	2.87	4.11	---	4.89	10.40	11.11	0.87	2.61	2.89	3.98	A
	2.5+2.5+5.0+5.0	1.73	1.73	3.47	3.47	---	4.83	10.40	11.01	0.90	2.71	2.93	3.84	A
	2.5+3.5+3.5+3.5	2.00	2.80	2.80	2.80	---	4.27	10.40	10.74	0.84	2.86	3.03	3.64	A
	2.5+3.5+3.5+4.2	1.90	2.66	2.66	3.18	---	4.46	10.40	10.75	0.86	2.86	3.03	3.64	A
	2.5+3.5+3.5+5.0	1.79	2.51	2.51	3.59	---	4.69	10.40	10.88	0.89	2.76	2.98	3.77	A
	2.5+3.5+3.5+6.0	1.67	2.35	2.35	4.03	---	4.97	10.40	11.11	0.90	2.61	2.89	3.98	A
	2.5+3.5+4.2+4.2	1.81	2.53	3.03	3.03	---	4.66	10.40	10.76	0.92	2.86	3.02	3.64	A
	2.5+3.5+4.2+5.0	1.72	2.39	2.87	3.42	---	4.89	10.40	10.89	0.92	2.75	2.98	3.78	A
	2.5+4.2+4.2+4.2	1.73	2.89	2.89	2.89	---	4.86	10.40	10.77	0.95	2.85	3.02	3.65	A
	3.5+3.5+3.5+3.5	2.60	2.60	2.60	2.60	---	4.55	10.40	10.75	0.89	2.86	3.03	3.64	A
	3.5+3.5+3.5+4.2	2.48	2.48	2.48	2.96	---	4.75	10.40	10.76	0.92	2.86	3.02	3.64	A
	3.5+3.5+3.5+5.0	2.35	2.35	2.35	3.35	---	4.97	10.40	10.89	0.95	2.76	2.98	3.77	A
	3.5+3.5+4.2+4.2	2.36	2.36	2.84	2.84	---	4.94	10.40	10.77	0.98	2.85	3.02	3.65	A
	2.0+2.0+2.0+2.0+2.0	2.08	2.08	2.08	2.08	2.08	3.42	10.40	11.10	0.58	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.0+2.5	1.98	1.98	1.98	1.98	2.48	3.56	10.40	11.10	0.60	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.0+3.5	1.81	1.81	1.81	1.81	3.16	3.84	10.40	11.11	0.67	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.0+4.2	1.70	1.70	1.70	1.70	3.60	4.04	10.40	11.11	0.69	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.0+5.0	1.60	1.60	1.60	1.60	4.00	4.27	10.40	11.24	0.71	2.51	2.90	4.14	A
	2.0+2.0+2.0+2.0+6.0	1.49	1.49	1.49	1.49	4.44	4.55	10.40	11.47	0.72	2.38	2.81	4.37	A
	2.0+2.0+2.0+2.0+7.1	1.38	1.38	1.38	1.38	4.88	4.86	10.40	11.50	0.79	2.36	2.79	4.41	A
	2.0+2.0+2.0+2.5+2.5	1.90	1.90	1.90	2.35	2.35	3.70	10.40	11.10	0.62	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.5+3.5	1.73	1.73	1.73	2.17	3.04	3.99	10.40	11.11	0.69	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.5+4.2	1.64	1.64	1.64	2.05	3.43	4.18	10.40	11.11	0.71	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.5+5.0	1.54	1.54	1.54	1.93	3.85	4.41	10.40	11.24	0.74	2.51	2.90	4.14	A
	2.0+2.0+2.0+2.5+6.0	1.43	1.43	1.43	1.80	4.31	4.69	10.40	11.47	0.74	2.38	2.81	4.37	A
	2.0+2.0+2.0+2.5+7.1	1.33	1.33	1.33	1.67	4.74	5.00	10.40	11.50	0.82	2.36	2.79	4.41	A
	2.0+2.0+2.0+3.5+3.5	1.90	1.90	1.90	2.35	2.35	3.70	10.40	11.10	0.62	2.62	2.89	3.97	A
	2.0+2.0+2.0+3.5+4.2	1.52	1.52	1.52	2.66	3.18	4.46	10.40	11.12	0.79	2.55	2.89	4.08	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0+2.0+2.0+3.5+5.0	1.43	1.43	1.43	2.51	3.60	4.69	10.40	11.25	0.82	2.51	2.89	4.14	A
	2.0+2.0+2.0+3.5+6.0	1.34	1.34	1.34	2.35	4.03	4.97	10.40	11.48	0.82	2.37	2.80	4.39	A
	2.0+2.0+2.0+4.2+4.2	1.44	1.44	1.44	3.04	3.04	4.66	10.40	11.13	0.81	2.55	2.88	4.08	A
	2.0+2.0+2.0+4.2+5.0	1.37	1.37	1.37	2.87	3.42	4.89	10.40	11.26	0.84	2.56	2.95	4.06	A
	2.0+2.0+2.5+2.5+2.5	1.81	1.81	2.26	2.26	2.26	3.84	10.40	11.10	0.67	2.62	2.89	3.97	A
	2.0+2.0+2.5+2.5+3.5	1.66	1.66	2.08	2.08	2.92	4.13	10.40	11.11	0.71	2.61	2.89	3.98	A
	2.0+2.0+2.5+2.5+4.2	1.58	1.58	1.97	1.97	3.30	4.32	10.40	11.11	0.74	2.56	2.89	4.06	A
	2.0+2.0+2.5+2.5+5.0	1.49	1.49	1.86	1.86	3.70	4.55	10.40	11.24	0.76	2.51	2.90	4.14	A
	2.0+2.0+2.5+2.5+6.0	1.39	1.39	1.73	1.73	4.16	4.83	10.40	11.47	0.80	2.38	2.81	4.37	A
	2.0+2.0+2.5+3.5+3.5	1.54	1.54	1.92	2.70	2.70	4.41	10.40	11.11	0.76	2.61	2.89	3.98	A
	2.0+2.0+2.5+3.5+4.2	1.46	1.46	1.84	2.56	3.08	4.61	10.40	11.12	0.82	2.55	2.89	4.08	A
	2.0+2.0+2.5+3.5+5.0	1.39	1.39	1.72	2.43	3.47	4.83	10.40	11.25	0.84	2.51	2.89	4.14	A
	2.0+2.0+2.5+4.2+4.2	1.40	1.40	1.74	2.93	2.93	4.80	10.40	11.13	0.87	2.60	2.94	4.00	A
	2.0+2.0+3.5+3.5+3.5	1.44	1.44	2.52	2.50	2.50	4.69	10.40	11.12	0.84	2.61	2.89	3.98	A
	2.0+2.0+3.5+3.5+4.2	1.37	1.37	2.40	2.39	2.87	4.89	10.40	11.13	0.87	2.60	2.94	4.00	A
	2.0+2.5+2.5+2.5+2.5	1.72	2.17	2.17	2.17	2.17	3.99	10.40	11.10	0.69	2.62	2.89	3.97	A
	2.0+2.5+2.5+2.5+3.5	1.60	2.00	2.00	2.00	2.80	4.27	10.40	11.11	0.74	2.61	2.89	3.98	A
	2.0+2.5+2.5+2.5+4.2	1.52	1.90	1.90	1.90	3.18	4.46	10.40	11.11	0.79	2.56	2.89	4.06	A
	2.0+2.5+2.5+2.5+5.0	1.44	1.79	1.79	1.79	3.59	4.69	10.40	11.24	0.82	2.51	2.90	4.14	A
	2.0+2.5+2.5+2.5+6.0	1.33	1.68	1.68	1.68	4.03	4.97	10.40	11.47	0.82	2.38	2.81	4.37	A
	2.0+2.5+2.5+3.5+3.5	1.48	1.86	1.86	2.60	2.60	4.55	10.40	11.11	0.82	2.61	2.89	3.98	A
	2.0+2.5+2.5+3.5+4.2	1.41	1.77	1.77	2.48	2.97	4.75	10.40	11.12	0.84	2.55	2.89	4.08	A
	2.0+2.5+2.5+3.5+5.0	1.34	1.68	1.68	2.35	3.35	4.97	10.40	11.25	0.87	2.51	2.89	4.14	A
	2.0+2.5+2.5+4.2+4.2	1.34	1.69	1.69	2.84	2.84	4.94	10.40	11.13	0.90	2.60	2.94	4.00	A
	2.0+2.5+3.5+3.5+3.5	1.38	1.73	2.43	2.43	2.43	4.83	10.40	11.12	0.87	2.61	2.89	3.98	A
	2.5+2.5+2.5+2.5+2.5	2.08	2.08	2.08	2.08	2.08	4.13	10.40	11.10	0.72	2.62	2.89	3.97	A
	2.5+2.5+2.5+2.5+3.5	1.93	1.93	1.93	1.93	2.68	4.41	10.40	11.11	0.77	2.61	2.89	3.98	A
	2.5+2.5+2.5+2.5+4.2	1.83	1.83	1.83	1.83	3.08	4.61	10.40	11.11	0.82	2.56	2.89	4.06	A
	2.5+2.5+2.5+2.5+5.0	1.73	1.73	1.73	1.73	3.48	4.83	10.40	11.24	0.85	2.51	2.90	4.14	A
	2.5+2.5+2.5+3.5+3.5	1.80	1.80	1.80	2.50	2.50	4.69	10.40	11.11	0.85	2.61	2.89	3.98	A
	2.5+2.5+2.5+3.5+4.2	1.71	1.71	1.71	2.40	2.87	4.89	10.40	11.12	0.87	2.61	2.89	3.98	A
	2.5+2.5+3.5+3.5+3.5	1.69	1.69	2.34	2.34	2.34	4.97	10.40	11.12	0.90	2.61	2.89	3.98	A

RXYSQ-P8

Mini VRV® Inverter heat pump

CONNECTABLE INDOOR UNITS

	20 class	25 class	35 class	42 class	50 class	60 class	71 class
Emura wall mounted unit	-	FTXG25J	FTXG35J	-	FTXG50J	-	-
Wall mounted unit	FTXS20J	FTXS25J	FTXS35J	FTXS42J	FTXS50J	FTXS60G	FTXS71G
Nexura floor standing unit	-	FVXG25K	FVXG35K	-	FVXG50K	-	-
Floor standing unit	-	FVXS25F	FVXS35F	-	FVXS50F	-	-
Flexi type unit	-	FLXS25B	FLXS35B	-	FLXS50B	FLXS60B	-
Slim concealed ceiling unit	-	FDXS25E	FDXS35E	-	FDXS50C	FDXS60C	-
Concealed ceiling unit	-	FDBQ25B	FBQ35C	-	FBQ50C	FBQ60C	-
4-way blow ceiling mounted cassette (600x600)	-	FFQ25BV	FFQ35BV	-	FFQ50BV	FFQ60BV	-
Round flow cassette	-	-	FCQ35C8	-	FCQ50C8	FCQ60C8	-
Ceiling suspended	-	-	FHQ35B	-	FHQ50B	FHQ60B	-

HEAT PUMP

Indoor Units				FTXG25JW / FTXG25JS	FTXG35JW / FTXG35JS	FTXG50JS / FTXG50JW
Dimensions	(Height x Width x Depth)		mm	295x915x155		
Weight			kg	11.0		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.8 / 6.8 / 4.7 / 3.8	10.1 / 7.3 / 4.6 / 3.9	10.5 / 8.7 / 6.9 / 5.9
	Heating	H/M/L/SL	m³/min	9.6 / 7.9 / 6.2 / 5.4	10.8 / 8.6 / 6.4 / 5.6	11.4 / 9.8 / 8.1 / 7.1
Sound Power	Cooling	High	dBA	54.0	58.0	64.0
	Heating	High	dBA	55.0	58.0	64.0
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0	42.0 / 34.0 / 26.0 / 23.0	47.0 / 41.0 / 35.0 / 32.0
	Heating	H/M/L/SL	dBA	39.0 / 34.0 / 28.0 / 25.0	42.0 / 36.0 / 29.0 / 26.0	47.0 / 41.0 / 35.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FTXS20J	FTXS25J	FTXS35J	FTXS42J	FTXS50J	FTXS60G	FTXS71G
Dimensions	(Height x Width x Depth)		mm	295x800x215					290x1050x250	
Weight			kg	9	9	10	10	10	12	12
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0	16 / 13.8 / 11.3 / 10.1	17.2 / 14.5 / 11.5 / 10.5
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.5 / 5.5	9.8 / 7.9 / 6.2 / 5.2	10.6 / 8.5 / 6.4 / 5.4	11.2 / 9.4 / 7.7 / 6.8	11.0 / 9.3 / 7.6 / 6.7	17.2 / 14.9 / 17.6 / 11.3	19.5 / 16.7 / 14.2 / 12.6
Sound Power	Cooling	High	dBA	54	54	58	58	59	61	62
	Heating	High	dBA	56	56	57	58	60	60	62
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	42 / 26 / 23	42 / 33 / 30	43 / 34 / 31	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	H/L/SL	dBA	38 / 28 / 25	39 / 28 / 25	42 / 29 / 26	42 / 33 / 30	44 / 34 / 31	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant			Type	R-410A						
Power Supply				1~/220-230-240V/50Hz					1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FLXS25B	FLXS35B	FLXS50B	FLXS60B
Dimensions	(Height x Width x Depth)		mm	490x1050x200			
Weight			kg	16.0		17.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6	12.00 / 10.70 / 9.30 / 8.3
	Heating	H/M/L/SL	m³/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8	12.80 / 10.60 / 8.40 / 7.5
Sound Power	Cooling	High	dBA	53.0	54.0	63.0	64.0
	Heating	High	dBA	-		62.0	63.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0	48.0 / 45.0 / 41.0 / 39.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0	47.0 / 42.0 / 37.0 / 34.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz			

HEAT PUMP

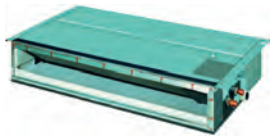
Indoor Units				FVXS25F	FVXS35F	FVXS50F
Dimensions	(Height x Width x Depth)		mm	600x700x210		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5	10.7 / 9.2 / 7.8 / 6.6
	Heating	H/M/L/SL	m³/min	8.8 / 6.9 / 5.0 / 4.4	9.4 / 7.3 / 5.2 / 4.7	11.8 / 10.1 / 8.5 / 7.1
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FVXG25K	FVXG35K	FVXG50K
Dimensions	(Height x Width x Depth)		mm	600x950x215		
Weight			kg	14	14	14
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	55	56	58
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL/Radiant	dBA	39 / 32 / 26 / 22 / 19	40 / 33 / 27 / 23 / 19	46 / 40 / 34 / 30 / 26
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FDXS25E	FDXS35E
Dimensions	(Height x Width x Depth)		mm	200x700x620	
Weight			kg	21.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
Sound Power	Cooling	High	dBA	53.0	
	Heating	High	dBA	53.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240/220-230V/50/60Hz	

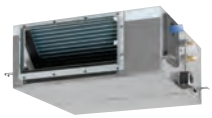


HEAT PUMP

Indoor Units				FDXS50C	FDXS60C
Dimensions	(Height x Width x Depth)		mm	200x900x620	200x1100x620
Weight			kg	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	55.0	56.0
	Heating	High	dBA	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
Refrigerant			Type	R-410A	
Power Supply				220-240/220-230V/50/60Hz	

HEAT PUMP

Indoor Units				FDBQ25B
Dimensions	(Height x Width x Depth)		mm	230x652x502
Weight			kg	17.0
Air Flow Rate	Cooling	High/Low	m³/min	6.50 / 5.20
	Heating	High/Low	m³/min	6.95 / 5.20
Sound Power	Cooling	High/Low	dBA	55.0 / 49.0
	Heating	High/Low	dBA	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	35.0 / 28.0
	Heating	High/Low	dBA	35.0 / 29.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz



HEAT PUMP

Indoor Units				FBQ35C	FBQ50C	FBQ60C
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25	25	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15
Sound Power	Cooling	High	dBA	63	63	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29
	Heating	High/Low	dBA	37 / 29		37 / 29
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FFQ25BV	FFQ35BV	FFQ50BV	FFQ60BV
Dimensions	(Height x Width x Depth)		mm	286x575x575			
Weight			kg	17.5			
Air Flow Rate	Cooling	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP

Indoor Units				FCQ35C8	FCQ50C8	FCQ60C8
Dimensions	(Height x Width x Depth)		mm	204x840x840		
Weight			kg	19		
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49		51
Sound Pressure	Cooling	High/Low	dBA	31 / 27		33 / 28
	Heating	High/Low	dBA	31 / 27		33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50/60Hz		

HEAT PUMP

Indoor Units				FHQ35B	FHQ50B	FHQ60B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP — INVERTER

Outdoor Unit				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Dimensions	(Height x Width x Depth)		mm	1345x900x320		
Weight			kg	125		
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Sound Power		Cooling	dBA	66	67	63
Sound Pressure		Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 19.1 / 26x3		
Max. internunit level difference			m	15		

BRANCH PROVIDER				BPMKS967B2	BPMKS967B3
Connectable indoor units				1~2	1~3
Max. indoor unit connectable capacity				14.2	20.8
Max. iconnectable combination				71+71	60+71+71
Dimensions	(HeightxWidthxDepth)		mm	180x294x350	
Weight			kg	7	8

VRV® systems

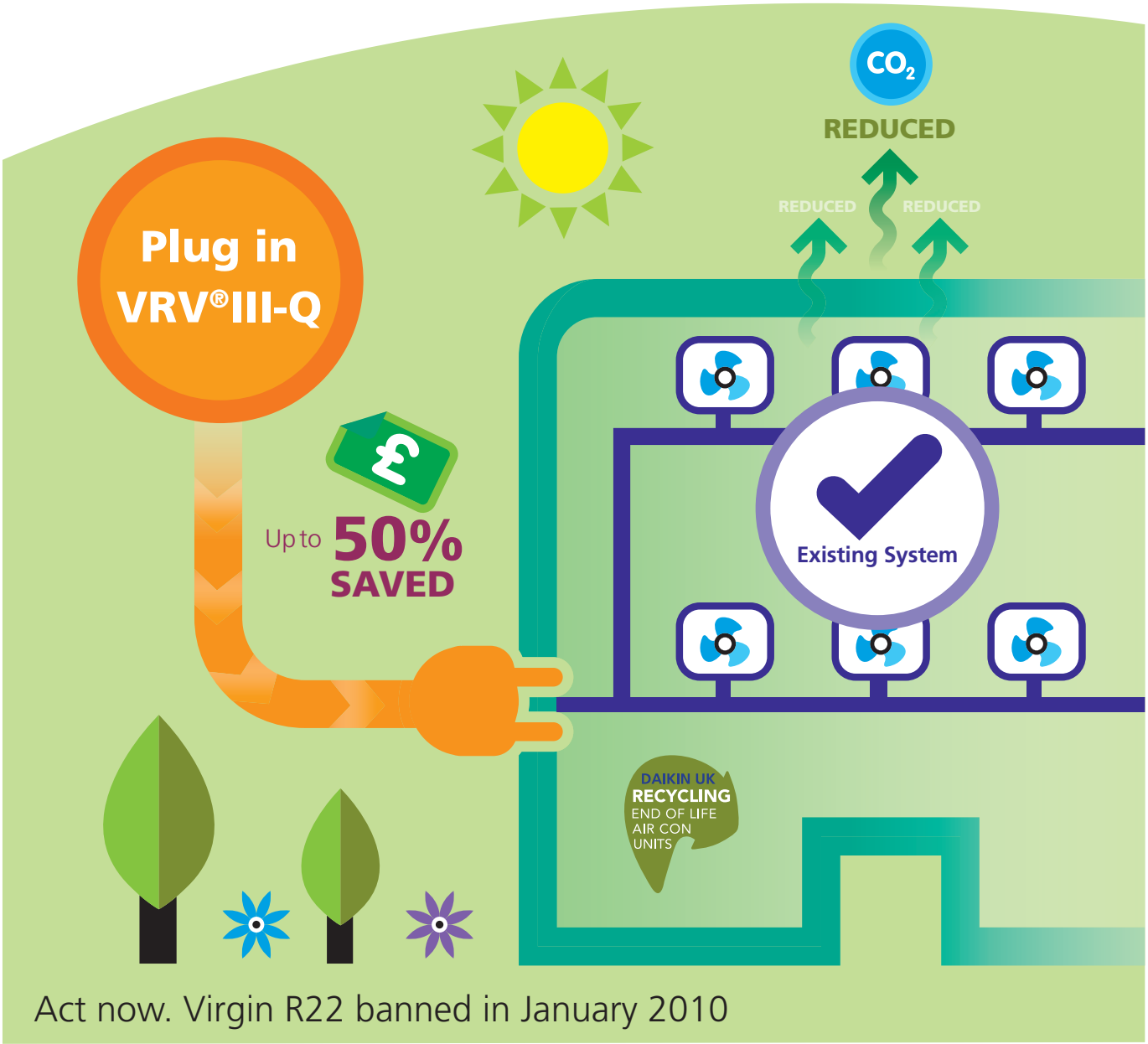
VRV® III-S

VRV® III

VRV® -WII

For a copy of our latest Price List please call **0845 6419000**

The simple switchover for R22 systems



Save time and money, without compromising performance, when you replace existing R22 equipment. VRV®III-Q is the smart way to achieve:

- Dramatically reduced installed cost – up to 50% saving compared with complete new system.
- Ability to reuse all existing pipework and possibility to reuse existing fan coils.
- Flexibility to use with existing pipework connected to other non-Daikin systems.
- Automatic pipework cleaning function.
- Higher energy efficiency and lower CO_2 emissions than retrofitting refrigerant.
- Major potential to increase system capacity.

For more information, visit www.daikin.co.uk/r22r

your comfort. **our world.**

Midlands Region	Northern Region	North London	Central London	South London	Scotland Region	Western Region
0845 641 9370	0845 641 9340	0845 641 9360	0845 641 9350	0845 641 9355	0845 641 9330	0845 641 9320

DAIKIN

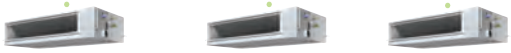
Replacement VRV®

Daikin solution to R-22 phase out

R-410A VRV®-Q
outdoor unit

R-22 refrigerant piping

R-410A



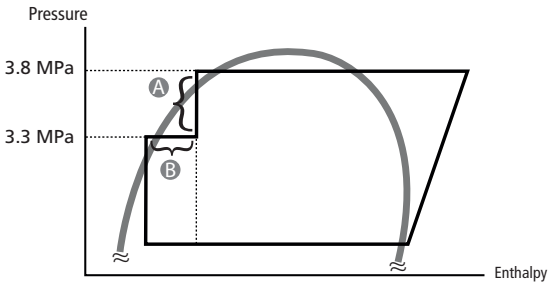
R-22 or R-410A indoor

* All units older than the K-Series must be replaced.
* For heat recovery applications, the BS-boxes need to be replaced.

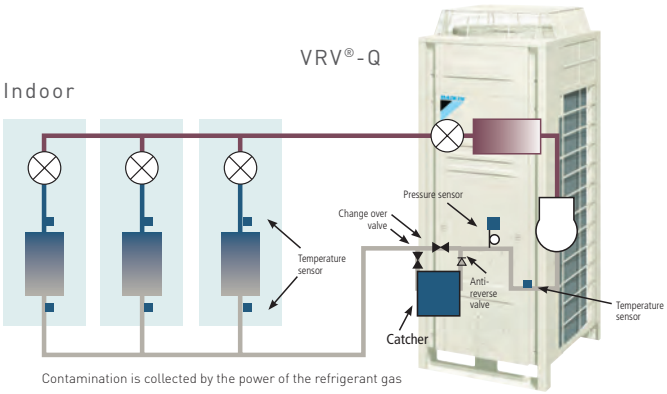
What is R-22 and why is it phased-out?

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 in 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.

Technologies of VRV®-Q



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



Reduced pressure

As R-22 VRV® systems 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® (VRV®-Q) must operate at lower pressures than the standard VRV®III series. However thanks to the sub cool circuit a high efficiency level can be kept even with the lower pressures.

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. During the charging of the system, R-410A refrigerant starts circulating through the copper piping collecting 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. This process is executed only once and takes about 1 hour (depending on system characteristics). Daikin is the first manufacturer in the industry to develop this combination of automatic charging and refrigerant pipe cleaning function.

Features of VRV®-Q

Warranty

Unlike using drop in refrigerants, the VRV®-Q condensing unit is provided with a manufacturers warranty, providing the existing pipework condition is deemed suitable for re-use.

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 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

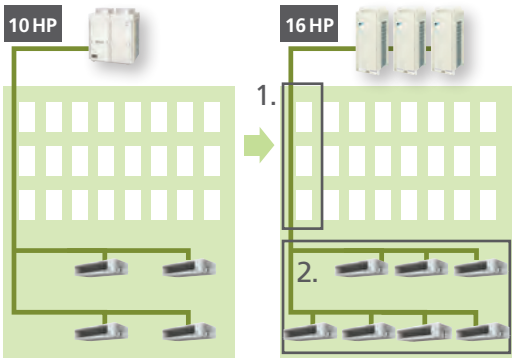
It is possible to spread the various stages of replacement over a certain period of time because the indoor units can remain in many cases. The air conditioning replacement therefore, can be incorporated in the general refurbishment schedule of the building and the investment cost can be spread. A further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

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.

Possibility to increase capacity

Cooling loads often increase subsequent to the initial installation of the air conditioning system. The Replacement VRV® (VRV®-Q) enables system capacity to be increased without changing the refrigerant piping (depending on system characteristics).
For example: It is possible to install a 16 HP Replacement VRV® on the refrigerant piping of an R-22 10 HP system.



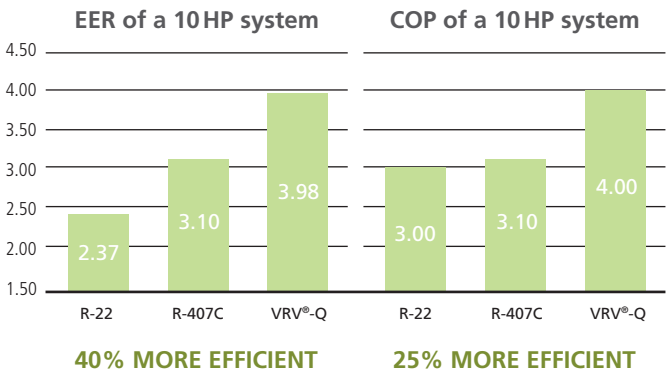
1. Keep main piping **2.** Add indoor units

Environmental awareness

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

High efficiency

Upgrading an old R-22 system to a Replacement VRV® system will result in increased system efficiency. Efficiency gains of more than 40% can be realised, 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.



R-22: RSXY10KA7
R-407C: RSXYP10L7
R-410A: RQYQ280P

Specifications

HEAT RECOVERY

RQCEQ-P				280	360	460	500	540	636	712	744	816	848
Outdoor unit modules		RQEQ140P		2		2	1			1	1		
		RQEQ180P			2	1	2	3		2	1	1	
		RQEQ212P							3	1	2	3	4
Capacity range			HP	10	13	16	18	20	22	24	26	28	30
Capacity	cooling	nom.	kW	28.0	36.0	45.0	50.0	54.0	63.6	71.2	74.4	81.6	84.8
	heating	nom.	kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
Power input	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	cooling			3.98	3.48	3.77	3.61	3.48	2.90	3.36	3.19	3.01	2.90
COP	heating			4.00	3.72	3.89	3.80	3.72	3.79	3.80	3.81	3.77	3.79
Max n° of indoor units to be connected				16	20	26	29	33	36	40	43	47	50
Indoor index connection	minimum			125	162.5	200	225	250	275	300	325	350	375
	standard			250	325	400	450	500	550	600	650	700	750
	maximum			325	422.5	520	585	650	715	780	845	910	975
Dimensions	unit	height	mm	1680									
		width	mm	635+ 635		635+ 635+ 635				635+ 635+ 635+ 635			
		depth	mm	765									
Weight			kg	175+ 175		175+ 175+175			179+ 179+179	175+175 +175+179	175+175 +179+179	175+179 +179+179	179+179+ 179+179
Sound pressure	cooling	nom.	dBA	57	61	61	62	63	64	63	64	65	66
Fan	type			Propeller									
	air flow rate (nominal at 230V)	cooling	m^3/min	95+ 95	110+110	95+ 95 + 110	95+ 110+110	110+ 110 + 110		95+ 110+ 110+ 110		110+ 110+ 110+ 110	
	external static pressure (max.)		Pa	78									
Compressor	motor	type		Hermetically sealed scroll compressor									
Operation range	cooling	min. - max.	°CDB	-5~43									
	heating	min. - max.	°CWB	-20~15.5									
Refrigerant	type			R-410A									
	charge		kg	10.3+ 10.3	10.6+ 10.6	10.3+10.3 +10.6	10.3+10.6 +10.6	10.6+10.6 +10.6	11.2+11.2 +11.2	10.3+10.6 +10.6+11.2	10.3+10.6 +11.2+11.2	10.6+11.2 +11.2+11.2	11.2+11.2 +11.2+11.2
	control			Electronic expansion valve									
Piping connections	liquid		mm	9.52	12.7		15.9				19.1		
	gas		mm	22.2	25.4	28.6					34.9		
	discharge gas		mm	19.1		22.2			25.4			28.6	
	pressure equiliser tube		mm	-	-	-	-	-	-	-	-	-	-
	max. total length		m	300									
	max. length between	OU-IU	m	120 (actual length)									
	level difference	OU-IU	m	50 (outdoor unit in highest position)									
Power Supply				3~. 400V. 50Hz									

Notes:
Nominal cooling capacities are based on : indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 7.5m, level difference: 0m.
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m

ACCESSORIES

VRV®III-Q - REPLACEMENT VRV® - Heat recovery	RQCEQ280PY1 RQCEQ360PY1	RQCEQ460PY1 RQCEQ500PY1	RQCEQ540PY1 RQCEQ636PY1	RQCEQ712PY1 RQCEQ744PY1 RQCEQ816PY1 RQCEQ848PY1
Fixing box	KJB111A			
Outdoor unit multi connection piping kit	BHFP26P36C	BHFP26P63C		BHFP26P84C

HEAT PUMP

Outdoor system					RQYQ140P	*RQYQ8P	*RQYQ10P	*RQYQ12P	*RQYQ14P	*RQYQ16P	*RQYQ18P	*RQYQ20P	*RQYQ22P	*RQYQ24P	*RQYQ26P	*RQYQ28P	*RQYQ30P
System	Outdoor unit module 1				RQYQ140P	RQYQ8P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P	RQYQ8P	RQYQ8P	RQYQ10P	RQYQ12P	RQYQ10P	RQYQ12P	RQYQ14P
	Outdoor unit module 2				-	-	-	-	-	-	RQYQ10P	RQYQ12P	RQYQ12P	RQYQ12P	RQYQ16P	RQYQ16P	RQYQ16P
Capacity range				HP	5	8	10	12	14	16	18	20	22	24	26	28	30
Cooling capacity	Nom.			kW	14.0	22.4	28	33.5	40	45	50.4	55.9	61.5	67	73	78.5	85
Heating capacity	Nom.			kW	16.0	25	31.5	37.5	45	50	56.5	62.5	69	75	81.5	87.5	95
Power input - 50Hz	Cooling	Nom.		kW	3.36	5.24	7.64	10.10	11.6	13.6	12.9	15.4	17.8	20.2	21.3	23.7	25.2
	Heating	Nom.		kW	3.91	6.42	8.59	10.20	12.2	13.6	15.1	16.7	18.8	20.4	22.2	23.8	25.8
EER					4.17	4.27	3.66	3.32	3.45	3.31	3.91	3.63	3.46	3.32	3.43	3.31	3.37
COP					4.09	3.89	3.67	3.68	3.69	3.68	3.74	3.74	3.67	3.68	3.67	3.68	3.68
Maximum number of connectable indoor units					10	17	21	26	30	34	39	43	47	52	56	60	64
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635 x765	1,680x930x765			1,680x1,240x765		-						
Weight	Unit			kg	175	230	284		381		-						
Sound pressure level	Cooling	Nom.		dBA	54	57	58	60			61	62	63				
Operation range	Cooling	Min.~Max.		°CDB	-5~43	-5~43											
	Heating	Min.~Max.		°CWB	-20~16	-20~15.5											
Refrigerant	Type				R-410A	R-410A											
Piping connections	Liquid	OD		mm	9.5	9.5		12.7			15.9				19.1		
	Gas	OD		mm	15.9	19.1	22.2	28.6						34.9			
	Piping length	Max.	OU - IU	m	120	150											
	Total piping length	System	Actual	m	300	300											
	Level difference	OU - IU		m	50/40	50 (Outdoor unit in highest position)/ 40 (Indoor unit in highest position)											
		IU - IU	Max.	m	15	15											
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400	3~ / 50 / 400											

Notes:
Nominal cooling capacities are based on : indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 7.5m, level difference: 0m.
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m

HEAT PUMP

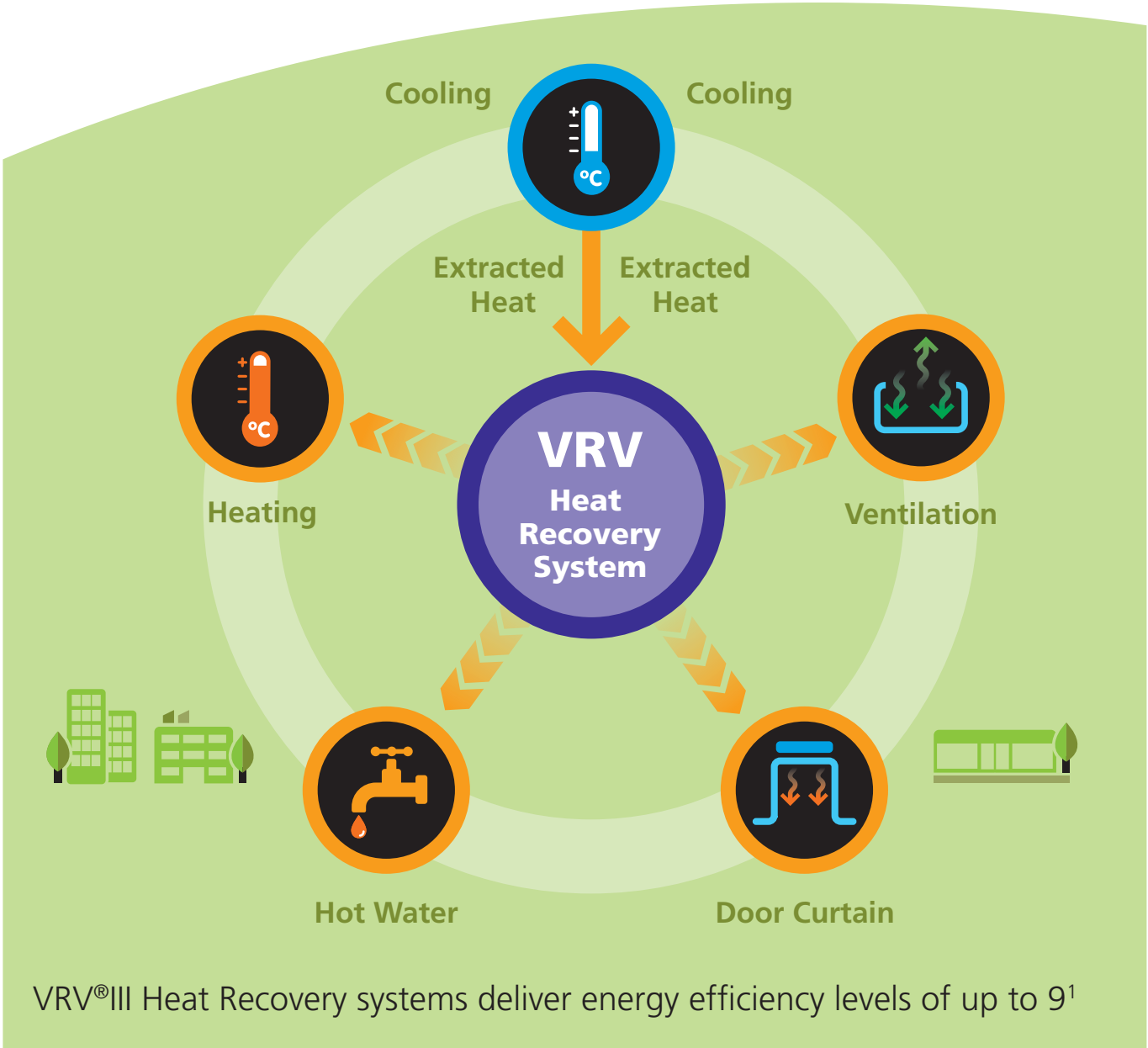
Outdoor system					*RQYQ32P	*RQYQ34P	*RQYQ36P	*RQYQ38P	*RQYQ40P	*RQYQ42P	*RQYQ44P	*RQYQ46P	*RQYQ48P
System	Outdoor unit module 1				RQYQ16P	RQYQ10P	RQYQ10P	RQYQ10P	RQYQ12P	RQYQ10P	RQYQ12P	RQYQ14P	RQYQ16P
	Outdoor unit module 2				RQYQ16P	RQYQ10P	RQYQ10P	RQYQ12P	RQYQ12P	RQYQ16P	RQYQ16P	RQYQ16P	RQYQ16P
	Outdoor unit module 3				-	RQYQ14P	RQYQ16P	RQYQ16P	RQYQ16P	RQYQ16P	RQYQ16P	RQYQ16P	RQYQ16P
Cooling capacity	Nom.			kW	90	96	101	107	112	118	124	130	135
Heating capacity	Nom.			kW	100	108	113	119	125	132	138	145	150
Power input - 50Hz	Cooling	Nom.		kW	27.2	26.9	28.9	31.4	33.8	34.9	35.3	38.8	40.8
	Heating	Nom.		kW	27.2	29.4	30.8	32.4	34.0	35.8	36.0	39.4	40.8
EER					3.31	3.57	3.49	3.41	3.31	3.38	3.51	3.35	3.31
COP					3.68	3.67	3.67	3.67	3.68	3.69	3.83	3.68	3.68
Maximum number of connectable indoor units					64								
Sound pressure level	Cooling	Nom.		dBA	63	64		65					
Operation range	Cooling	Min.~Max.		°CDB	-5~43								
	Heating	Min.~Max.		°CWB	-20~15.5								
Refrigerant	Type				R-410A								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	34.9	41.3							
	Piping length	Max.	OU - IU	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)								
		IU - IU	Max.	m	15								
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400								

Notes:
Nominal cooling capacities are based on : indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 7.5m, level difference: 0m.
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m

ACCESSORIES

VRV®III-Q - REPLACEMENT VRV® - Heat pump	RQYQ140P	RQYQ8~16P	RQYQ18~32P	RQYQ34~48P
Cool / Heat selector	KRC19-26A			
Fixing box	KJB111A			
Outdoor unit multi connection piping kit	-	-	BHFP22P100	BHFP22P151

Achieve the highest energy efficiency levels in the industry



VRV®III Heat Recovery systems deliver energy efficiency levels of up to 9[1]

VRV®III Heat Recovery is the all-in-one solution to maximise energy efficiency.
A fully integrated system for heating, cooling, air curtains and hot water – to help achieve zero waste heat.

- Free extracted heat from areas being cooled is diverted to areas requiring heat – to minimise operating costs.
- Reclaimed heat can be used to power door air curtains and even hot water supplies.
- Numerous heat recovery options, with 14 different types of indoor units available.
- Suitable for all size of systems: a single outdoor unit (11kW to 170kW) can connect up to 64 indoor units.

For more information please visit www.daikin.co.uk/heat-recovery

your comfort. **our world.**

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0845 641 9370	0845 641 9340	0845 641 9360	0845 641 9350	0845 641 9355	0845 641 9330	0845 641 9320

DAIKIN

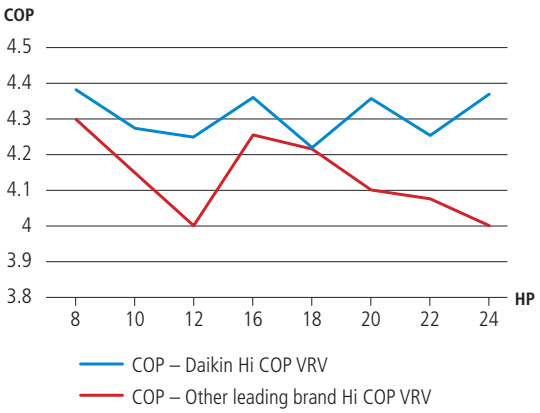
[1] *REYQ8P8 model at 50% cooling – 50% heating load in conditions: outdoor temperature 11° CDB, indoor temperature: 18° CWB, 22°CDB*

REY(H)Q-P

VRV®III inverter heat recovery high COP combination

REYHQ24P

- Heat recovery operation can provide energy efficiency levels in excess of 9.0
- Top energy efficiency in Daikin heat recovery range, with high rate of ECA qualification
- Wide range of indoor units: 13 different models in a total of 75 variations
- Continuous heating during defrost (resulting in a higher integrated heating capacity)
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV®III system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms
- Quick cool/heat change over
- Improved refrigerant containment check
- Extra low noise during night time operation (step 1: 50dBA; step 2: 45dBA)
- Possibility to extend the operation range in cooling down to -20°C



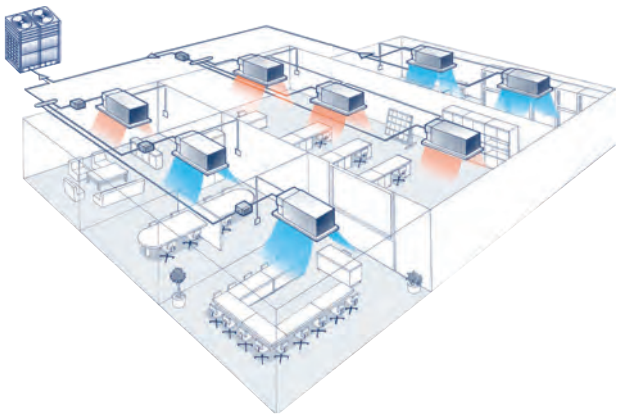
HEAT RECOVERY				INVERTER							
Outdoor units				**8**	**10**	**12**	**16**	**18**	**20**	**22**	**24**
Independent unit	Outdoor Unit			REYQ8P8	REYQ10P8	REYQ12P8	REMQ8P9	REMQ8P9	REMQ8P9	REMQ10P8	REMHQ12P8
	Outdoor Unit			REYQ8P8	REYQ10P8	REYQ12P8	REMQ8P9Y1B	REMQ10P9	REMQ12P9	REMHQ12P8	REMHQ12P8
Capacity range			HP	8	10	12	16	18	20	22	24
Capacity	Cooling		kW	22.4	28.0	33.5	45.0	50.4	56.0	61.5	67.0
	Heating		kW	25.0	31.5	37.5	50.0	56.5	62.5	69.0	75.0
Power Input (Nominal)	Cooling		kW	5.20	7.09	8.72	10.5	12.7	13.9	16.0	17.2
	Heating		kW	5.71	7.38	8.84	11.5	13.4	14.3	16.3	17.2
EER	Cooling			4.31	3.95	3.84	4.29	3.98	4.04	3.84	3.89
COP	Heating			4.38	4.27	4.24	4.36	4.22	4.36	4.24	4.37
Dimensions	(Height x Width x Depth)		mm	1,680 x 1,300 x 765			-				
Weight	Unit		kg	331			-				
Sound Level	Sound Power	Cooling	dBA	78	78	80	82	81	85	85	87
	Sound Pressure	Cooling	dBA	58	58	60	62	61	64	64	66
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0							
	Heating	Min~Max	°CWB	-20.0~15.0							
Refrigerant				R-410A							
Power Supply				3~/380-415V/50Hz			3~/400V/50Hz				
Piping connections	Liquid (OD)		mm				12.7		15.9		
	Gas		mm				28.6				34.9
	Max total length		m				1000				
Max n° of indoor units to be connected				-			26		32	35	39

REYQ-P8/P9

VRV®III heat recovery compact combination

REYQ46-48P8Y1B

- Increased EER/COP thanks to the redesigned 8 and 12HP stand alone units and 8HP modular unit
- Its operation range for example 8hp to 48hp in 2hp increment steps (21 system combinations), is wider than any of its contemporaries
- Its ability to run no less than 64 indoor units in heat recovery format cannot at present be matched by other comparable systems
- Continuous heating during defrost (resulting in a higher integrated heating capacity)
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV®III system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms
- Quick cool/heat change over
- Improved refrigerant containment check function
- Flexible combination of outdoor units: Small footprint combination, high COP combination or any other combination of your choice



REYQ-P8		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
Number of outdoor units		1	1	1	1	1	2	2	2	2	2	2

REYQ-P8		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
Number of outdoor units		2	2	3	3	3	3	3	3	3	3

REYQ-P8/P9

VRV®III heat recovery

HEAT RECOVERY

REYQ-P8				8	10	12	14	16
Capacity range			HP	8	10	12	14	16
Capacity	Cooling		kW	22.4	28.0	33.5	40.0	45.0
	Heating		kW	25.0	31.5	37.5	45.0	50.0
Power Input (Nominal)	Cooling		kW	5.20	7.09	8.72	11.4	14.1
	Heating		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
Dimensions	(Height x Width x Depth)		mm	1,680x1,300x765				
Weight			kg	331			339	
Sound Level	Sound Power	Cooling	dBA	78	78	80	83	84
	Sound Pressure	Cooling	dBA	58	58	60	62	63
Operation Range	Cooling	Min~Max	°CDD	-5~43				
	Heating	Min~Max	°CWB	-20~15				
Refrigerant				R-410A				
Power Supply				3~/380-415V/50Hz				
Max n° of indoor units to be connected				-				
Piping connections	Liquid (OD)/Gas		mm	9.52 / 19.1	9.52 / 22.2	12.7 / 28.6		
Max Total Length			m	1000				

HEAT RECOVERY

REYQ-P8				18	20	22	24	26	28	30	32
Capacity range			HP	18	20	22	24	26	28	30	32
Capacity	Cooling		kW	50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
	Heating		kW	56.5	62.5	69.0	75.0	81.5	87.5	95.0	100.0
Power Input (Nominal)	Cooling		kW	12.7	14.9	17.0	19.2	21.6	23.8	26.6	28.4
	Heating		kW	13.4	15.2	17.1	18.9	20.6	22.3	24.2	25.8
EER				3.98	3.76	3.62	3.49	3.38	3.30	3.20	3.17
COP				4.22	4.11	4.04	3.97	3.96	3.92	3.93	3.88
Dimensions	(Height x Width x Depth)		mm	1,680x930 + 930x765				1,680x930 + 1,240x765		1,680x1,240 + 1,240x765	
Weight			kg	204 + 254		254 + 254		254 + 334		334 + 334	
Sound Level	Sound Power	Cooling	dBA	81	83	83	83	83	83	83	83
	Sound Pressure	Cooling	dBA	61	62	63	63	63	63	63	63
Operation Range	Cooling	Min~Max	°CDD	-5~43							
	Heating	Min~Max	°CWB	-20~15							
Refrigerant				R-410A							
Power Supply				3~/380-415V/50Hz							
Max n° of indoor units to be connected				-							
Piping connections	Liquid (OD)/Gas		mm	15.9 / 28.6			15.9/34.9	19.1 / 34.9			
Max Total Length			m	1000							

HEAT RECOVERY

REYQ-P8				34	36	38	40	42	44	46	48
Capacity range			HP	34	36	38	40	42	44	46	48
Capacity	Cooling		kW	95.4	101.0	107.0	112.0	118.0	124.0	130.0	135.0
	Heating		kW	107.0	113.0	119.0	125.0	132.0	138.0	145.0	150.0
Power Input (Nominal)	Cooling		kW	26.9	29.1	31.2	33.4	35.8	38.0	40.8	42.6
	Heating		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	3.30	3.26	3.19	3.17
COP				4.07	4.02	3.97	3.93	3.94	3.92	3.91	3.88
Dimensions	(Height x Width x Depth)		mm	1,680x930 + 930 + 1,240x765				1,680x930 + 1,240 + 1,240x765		1,680x1,240 + 1,240 + 1,240x765	
Weight			kg	204 + 254 + 334		254 + 254 + 334		254 + 334 + 334		334 + 334 + 334	
Sound Level	Sound Power	Cooling	dBA	84	85	85	85	85	85	85	85
	Sound Pressure	Cooling	dBA	64	64	65	65	65	65	65	65
Operation Range	Cooling	Min~Max	°CDD	-5~43							
	Heating	Min~Max	°CWB	-20~15							
Refrigerant				R-410A							
Power Supply				3~/380-415V/50Hz							
Max n° of indoor units to be connected				-							
Piping connections	Liquid (OD)/Gas		mm	19.1 / 34.9	19.1 / 41.3						
Max Total Length			m	1000							

BSVQ-P8

Individual branch selector for VRV® heat recovery

BSV4/6Q-PV

Multi branch selector for VRV® heat recovery

BSVQ100P8

BSVQ-P8

- High comfort levels: individual control and change over 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)

					BSVQ100P8	BSVQ160P8	BSVQ250P8
Maximum capacity index of connectable indoor units					20 < x ≤ 100	100 < x ≤ 160	160 < x ≤ 250
Maximum number of connectable indoor units					5	8	
Power input	Cooling		kW		0.005		
	Heating		kW		0.005		
Dimensions	(Height x Width x Depth)		mm		207 x 388 x 326		
Weight			kg		12		15
Piping connections	Outdoor unit	Liquid / gas / discharge gas	Type		Brazing connection		
			∅	mm	9.52 / 15.9 / 12.7		9.52 / 22.2 / 19.1
	Indoor unit	Liquid / gas	Type		Brazing connection		
			∅	mm	9.52 / 15.9		9.52 / 22.2
Power Supply					1~/220-240V/50Hz		

BSV4Q100PV

BSV4/6Q-PV

- Rapid installation resulting from less brazing points and wiring
- High comfort levels: individual control and change over of up to 4 or 6 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

					BSV4Q100PV	BSV6Q100PV
Maximum capacity index of connectable indoor units					400	600
Maximum capacity index of connectable indoor units per branch					100	
Number of branches					4	6
Maximum number of connectable indoor units					20	30
Maximum number of connectable indoor units per branch					5	
Power input	Cooling		kW		0.020	0.030
	Heating		kW		0.020	0.030
Dimensions	(Height x Width x Depth)		mm		209 x 1,053 x 635	209 x 1,577 x 635
Weight			kg		60	89
Piping connections	Outdoor unit	Liquid / gas / discharge gas	Type		Brazing connection	
			∅	mm	12.7 x 28.6 x 19.1	15.9 x 28.6 x 28.6
	Indoor unit	Liquid / gas	Type		Brazing connection	
			∅	mm	9.5 / 15.9	
Power Supply					1~/220-240V/50Hz	

RXHQ-P

VRV®III heating only

RXHQ44-46-48P

- Cost effective, low energy consumption heating system
- Lower CO_2 emissions compared to traditional heating systems
- Easy installation thanks to automatic refrigerant charging and automatic testing
- Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- Flexible combination of outdoor units
- Compact size leaves maximum floor space
- High external static pressure (up to 78.4Pa) allows indoor installation
- Wide piping flexibility: maximum piping length: 165m, total piping length: 1,000m
- All indoor units can be individually controlled
- Phased installation possible

HEATING ONLY					INVERTER					
Outdoor system					**8**	**10**	**12**	**14**	**16**	**18**
Capacity range				HP	8	10	12	14	16	18
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.5
Power input - 50Hz	Heating	Nom.		kW	5.56	7.70	9.44	11.30	12.90	15.30
COP					4.5	4.09	3.97	3.98	3.88	3.69
Maximum number of connectable indoor units					17	21	26	30	34	39
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765			1,680x1,240x765		
Weight	Unit			kg	187	240		316		324
Operation range	Heating	Min.~Max.		°CWB	-20.0~15.0					
Refrigerant	Type				R-410A					
Piping connections	Liquid	OD		mm	9.5		12.7	12.7		15.9
	Gas	OD		mm	19.1	22.2	28.6	28.6		
	Total piping length	System	Actual	m	1,000					
	Level difference	OU - IU		m	50 (outdoor unit in highest position) (optional: 90)					
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400					

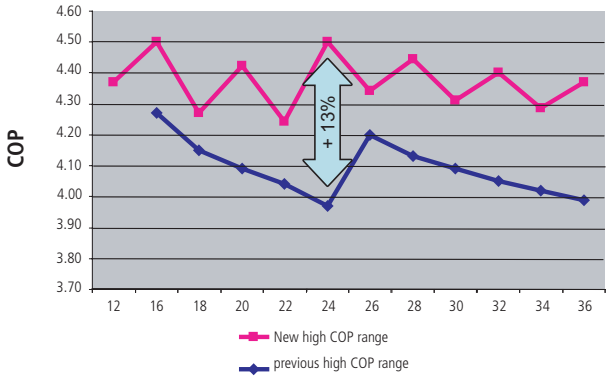
Outdoor system					**20**	**22**	**24**	**26**	**28**	**30**	**32**	**34**	**36**
System	Outdoor unit module 1				RXHQ8P	RXHQ10P	RXHQ12P	RXHQ8P	RXHQ10P	RXHQ12P	RXHQ14P	RXHQ16P	RXHQ18P
	Outdoor unit module 2				RXHQ12P			RXHQ18P					
Capacity range				HP	20	22	24	26	28	30	32	34	36
Heating capacity	Nom.			kW	62.50	69.00	75.00	81.50	88.00	94.00	102.00	107.00	113.00
Power input - 50Hz	Heating	Nom.		kW	14.95	17.08	18.89	20.69	22.98	24.67	26.63	28.23	30.62
COP					4.18	4.04	3.97	3.94	3.83	3.81	3.83	3.79	3.69
Maximum number of connectable indoor units					43	47	52	56	60	64			
Operation range	Heating	Min.~Max.		°CWB	-20.0~15.0								
Refrigerant	Type				R-410A								
Piping connections	Liquid	OD		mm	15.9			19.1					
	Gas	OD		mm	28.6		34.9						41.3
	Total piping length	System	Actual	m	1,000								
	Level difference	OU - IU		m	50 (outdoor unit in highest position) (optional: 90)								
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400								

Outdoor system					**38**	**40**	**42**	**44**	**46**	**48**	**50**	**52**	**54**
System	Outdoor unit module 1				RXHQ8P	RXHQ10P	RXHQ12P	RXHQ8P	RXHQ10P	RXHQ12P	RXHQ14P	RXHQ16P	RXHQ18P
	Outdoor unit module 2				RXHQ12P			RXHQ18P					
	Outdoor unit module 3				RXHQ18P								
Capacity range				HP	38	40	42	44	46	48	50	52	54
Heating capacity	Nom.			kW	119.00	126.00	132.00	138.00	145.00	151.00	158.00	163.00	170.00
Power input - 50Hz	Heating	Nom.		kW	30.13	32.39	34.20	35.94	38.26	39.95	41.91	43.47	45.95
COP					3.95	3.89	3.86	3.84	3.79	3.78	3.77	3.75	3.70
Maximum number of connectable indoor units					64								
Operation range	Heating	Min.~Max.		°CWB	-20.0~15.0								
Refrigerant	Type				R-410A								
Piping connections	Liquid	OD		mm	19.1								
	Gas	OD		mm	41.3								
	Total piping length	System	Actual	m	1,000								
	Level difference	OU - IU		m	50 (outdoor unit in highest position) (optional: 90)								
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400								

RXYHQ-P9

VRV®III inverter heat pump high COP combination

- Top energy efficiency in Daikin heat pump range, thanks to the redesigned 8HP unit and newly developed 12HP high COP unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact size of outdoor units
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- RoHS compliant
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Refrigerant containment check function



RXYQ-P9		12	16	18	20	22	24	26	28	30	32	34	36
Modules	RXYQ8P9		2	1	1		3	2	1	1	1		
	RXYQ10P9			1		1		1	2	1		1	
	RXYHQ12P9	1			1	1				1	2	2	3

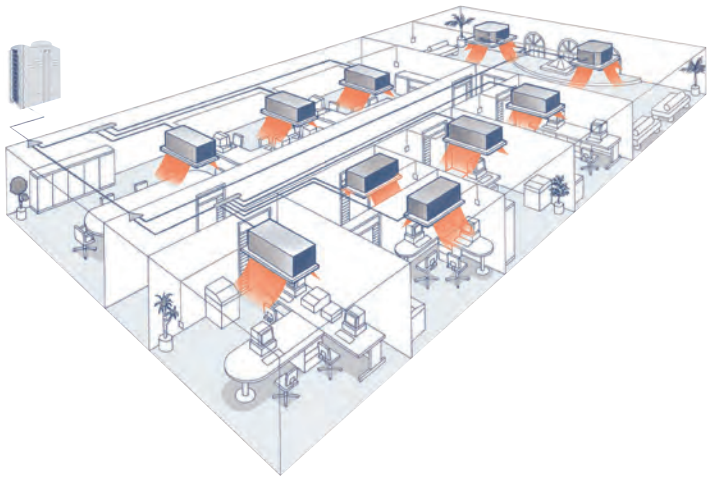
HEAT PUMP				INVERTER										
Outdoor Units				12	16	18	20	22	24	26	28	30	32	34	36
Capacity range			HP	12	16	18	20	22	24	26	28	30	32	34	36
Capacity	Cooling		kW	33.5	44.8	50.4	56.0	61.5	67.2	72.8	78.4	84.0	89.4	95.0	101.0
	Heating		kW	37.5	50.0	56.5	63.0	69.0	75.0	81.5	88.0	94.5	100.0	107.0	113.0
Power input (nominal)	Cooling		kW	8.6	10.4	12.6	13.8	16.0	15.7	17.8	19.0	21.2	22.4	24.7	25.9
	Heating		kW	8.6	11.1	13.2	14.3	16.3	16.7	18.8	19.8	21.9	22.7	24.9	25.9
EER				3.89	4.29	4.00	4.05	3.84	4.29	4.09	4.12	3.96	3.99	3.85	3.89
COP				4.37	4.50	4.27	4.42	4.24	4.50	4.34	4.44	4.31	4.40	4.79	4.37
Dimensions	(Height x Width x Depth)		mm	1680x1240x765	-										
Sound Level	Sound Power	Cooling	dBA	80	82	82	83	83	83	83	83	83	85	85	85
	Sound Pressure	Cooling	dBA	60	60	61	62	62	62	62	63	63	64	64	65
Operation Range	Cooling	Min~Max	°CDB		-5.0~43.0										
	Heating	Min~Max	°CWB		-20.0~15.0										
Refrigerant					R-410A										
Power Supply					3N~/400V/50Hz										
Max n° of indoor units to be connected				19	26	29	32	35	39	42	45	48	52	55	58
Piping connections	Liquid (OD)/Gas		mm	12.7 / 28.6	12.7 / 28.6	15.9 / 28.6			15.9 / 34.9	19.1 / 34.9					19.1 / 41.3
Max total length			m		1000										

RXYQ-P9

VRV®III inverter heat pump small footprint combination

RXYQ44P8
RXYQ46-48P7

- Increased EER/COP thanks to the redesigned 8HP unit
- Outdoor unit capacity up to 54 HP
- Wide range of indoor units: 13 different models in a total of 75 variations
- Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- Compact size of outdoor units
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- RoHS compliant
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Refrigerant containment check function



RXYQ-P9	5	8	10	12	14	16	18	20	22	24	26	28	30
RXYQ5P9	1	Not applicable											
RXYQ8P9		1						1			1		
RXYQ10P9			1						1			1	
RXYQ12P9				1				1	1	2			1
RXYQ14P9					1								
RXYQ16P9						1							
RXYQ18P9							1				1	1	1

RXYQ-P9	32	34	36	38	40	42	44	46	48	50	52	54
RXYQ5P9	Not applicable											
RXYQ8P9				1			1					
RXYQ10P9					1			1				
RXYQ12P9				1	1	2			1			
RXYQ14P9	1									1		
RXYQ16P9		1									1	
RXYQ18P9	1	1	2	1	1	1	2	2	2	2	2	3

RXYQ-P9

VRV®III inverter heat pump small footprint combination

HEAT PUMP

Outdoor units				5	8	10	12	14	16	18
Capacity range			HP	5	8	10	12	14	16	18
Capacity	Cooling		kW	14.0	22.4	28.0	33.5	40.0	45.0	49.0
	Heating		kW	16.0	25.0	31.5	37.5	45.0	50.0	56.5
Power input (nominal)	Cooling		kW	3.52	5.22	7.42	9.62	12.4	14.2	16.2
	Heating		kW	4.00	5.56	7.70	9.44	11.30	12.90	15.30
EER				3.98	4.29	3.77	3.48	3.23	3.17	3.02
COP				4.00	4.50	4.09	3.97	3.98	3.88	3.69
Dimensions	(Height x Width x Depth)		mm	1,680x635x765	1,680x930x765			1,680x1,240x765		
Weight			kg	159	187	240		316		324
Sound Level	Sound Power	Cooling	dBA	72	78		80			83
	Sound Pressure	Cooling	dBA	54	57	58	60			63
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0						
	Heating	Min~Max	CWD	-20.0~15.0						
Refrigerant				R-410A						
Power Supply				3N~/400V/50Hz						
Max n° of indoor units to be connected				8	13	16	19	23	26	29
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9	9.52 / 19.1	9.52 / 22.2	12.7 / 28.6			15.9 / 28.6
Max. total length			m	1000						

HEAT PUMP

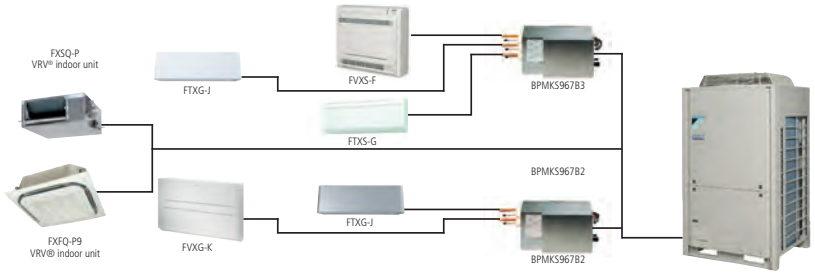
Outdoor units				20	22	24	26	28	30	32	34	36
Capacity range			HP	20	22	24	26	28	30	32	34	36
Capacity	Cooling		kW	55.9	61.5	67.0	71.4	77.0	82.5	89.0	94.0	98.0
	Heating		kW	62.5	69.0	75.0	81.5	88.0	94.0	102.0	107.0	113.0
Power input (nominal)	Cooling		kW	14.7	17.0	19.2	20.9	23.6	25.8	28.6	30.4	32.4
	Heating		kW	14.9	17.1	18.9	20.7	23.0	24.7	26.6	28.2	30.6
EER				3.80	3.62	3.49	3.41	3.26	3.20	3.11	3.09	3.02
COP				4.18	4.04	3.97	3.94	3.83	3.81	3.83	3.79	3.69
Dimensions	(Height x Width x Depth)		mm	-								
Weight			kg	-								
Sound Level	Sound Power	Cooling	dBA	83	83	83	85	85	85	85	85	86
	Sound Pressure	Cooling	dBA	62	63	63	64	65	65	65	65	66
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0								
	Heating	Min~Max	CWD	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Max n° of indoor units to be connected				32	35	39	42	45	49	52	55	58
Piping connections	Liquid (OD)/Gas		mm	15.9 / 28.6		15.9 / 34.9	19.1 / 34.9					19.1 / 41.3
Max. total length			m	1000								

HEAT PUMP

Outdoor units				38	40	42	44	46	48	50	52	54
Capacity range			HP	38	40	42	44	46	48	50	52	54
Capacity	Cooling		kW	105.0	111.0	116.0	120.0	126.0	132.0	138.0	143.0	147.0
	Heating		kW	119.0	126.0	132.0	138.0	145.0	151.0	158.0	163.0	170.0
Power input (nominal)	Cooling		kW	30.6	33.2	35.4	36.9	39.8	42.0	44.8	46.6	48.6
	Heating		kW	30.1	32.4	34.2	35.9	38.3	40.0	41.9	43.5	45.9
EER				3.43	3.34	3.28	3.25	3.17	3.14	3.08	3.07	3.02
COP				3.95	3.89	3.86	3.84	3.79	3.78	3.77	3.75	3.70
Dimensions	(Height x Width x Depth)		mm	-								
Weight			kg	-								
Sound Level	Sound Power	Cooling	dBA	86	86	86	87	87	87	87	87	88
	Sound Pressure	Cooling	dBA	66	66	66	67	67	67	67	67	68
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0								
	Heating	Min~Max	CWD	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Max n° of indoor units to be connected				61	64							
Piping connections	Liquid (OD)/Gas		mm	19.1/41.3								
Max. total length			m	1000								

RXYRQ-P

VRV®III heat pump with connection to stylish indoor units



- Innovative VRV® technology combined with stylish and silent indoor units
- Wide range of indoor units: combine VRV® indoor units and stylish indoor units as Daikin Emura and Nexura
- Up to 39 indoor units can be connected to a 18HP unit
- Integrate temperature control, fresh air provision, Biddle air curtains and the production of hot water in one total solution system
- High external static pressure (up to 78.4Pa) allows indoor installation
- Night quiet mode in two steps: step 1: 50 dBA, step 2: 45 dBA
- All indoor units can be individually controlled
- Phased installation possible

RXYRQ8-12P

CONNECTABLE INDOOR UNITS

	20 class	25 class	35 class	42 class	50 class	60 class	71 class
Daikin Emura - Wall mounted unit	-	FTXG25JW/S	FTXG35JW/S	-	FTXG50JW/S	-	-
Wall mounted unit	FTXS20J	FTXS25J	FTXS35J	FTXS42J	FTXS50J	FTXS60G	FTXS71G
Nexura - Floor standing unit	-	FVXG25K	FVXG35K	-	FVXG50K	-	-
Floor standing unit	-	FVXS25F	FVXS35F	-	FVXS50F	-	-
Flexi type unit	-	FLXS25B	FLXS35B	-	FLXS50B	FLXS60B	-
Slim concealed ceiling unit	-	FDXS25E	FDXS35E	-	FDXS50C	FDXS60C	-
Concealed ceiling unit	-	FDBQ25B	FBQ35C	-	FBQ50C	FBQ60C	-
4-way blow ceiling mounted cassette (600x600)	-	FFQ25BV	FFQ35BV	-	FFQ50BV	FFQ60BV	-
Round flow cassette	-	-	FCQ35C8	-	FCQ50C8	FCQ60C8	-
Ceiling suspended cassette	-	-	FHQ35B	-	FHQ50B	FHQ60B	-
All VRV® indoor units in all available classes							

HEAT PUMP

Outdoor units					RXYRQ8P	RXYRQ10P	RXYRQ12P	RXYRQ14P	RXYRQ16P	RXYRQ18P
Capacity range				HP	8	10	12	14	16	18
Cooling capacity	Nom.			kW	22.4	28.0	33.5	40.0	45.0	49.0
Heating capacity	Nom.			kW	25.0	31.5	37.5	45.0	50.0	56.5
Power input - 50Hz	Cooling	Nom.		kW	5.22	7.42	9.62	12.4	14.2	16.2
	Heating	Nom.		kW	5.56	7.70	9.44	11.30	12.90	15.30
EER					4.29	3.77	3.48	3.23	3.17	3.02
COP					4.50	4.09	3.97	3.98	3.88	3.69
Maximum number of connectable indoor units					17	21	26	30	34	39
Sound power level	Cooling	Nom.		dBA	78		80			83
Sound pressure level	Cooling	Nom.		dBA	57	58	60			63
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0					
	Heating	Min.~Max.		°CWB	-20.0~15.0					
Refrigerant	Type				R-410A					
Piping connections	Liquid	OD		mm	9.52		12.7			15.9
	Gas	OD		mm	19.1	22.2	28.6			
	Total piping length	System	Actual	m	135					
	Level difference	OU - IU		m	40 (outdoor unit in highest position)					
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400					

Branch provider			BPMKS967B2	BPMKS967B3
Max. n° of indoor units to be connected			2	3
Max. indoor unit connectable capacity		kW	14.2 (7.1 + 7.1)	20.8 (6.0 + 7.1 + 7.1)
Dimensions	Height x Width x Depth	mm	180 x 294 x 350	
Weight		kg	7.5	8

RXYSQ-P8

VRV®III-S inverter heat pump

RXYSQ4-5-6PA7V(Y)1B

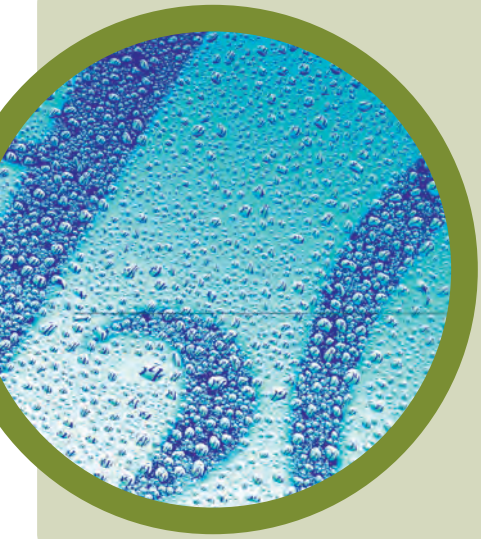
- High COP values
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Wide range of indoor units
- Power consumption limit setting
- Small capacities - 4, 5 & 6HP
- Slim & flexible design
- Space saving outdoor unit

HEAT PUMP

Outdoor Unit (Single Phase)				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Capacity range			HP	4	5	6
Capacity	Cooling		kW	11.2	14.0	15.5
	Heating		kW	12.5	16.0	18.0
Power Input (Nominal)	Cooling		kW	2.81	3.51	4.53
	Heating		kW	2.74	3.86	4.57
EER				3.99	3.99	3.42
COP				4.56	4.15	3.94
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	120		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				1N~/220-240V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

HEAT PUMP

Outdoor Unit (Three Phase)				RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1
Capacity range			HP	4	5	6
Capacity	Cooling		kW	11.2	14.0	15.5
	Heating		kW	12.5	16.0	18.0
Power Input (Nominal)	Cooling		kW	2.89	3.61	4.65
	Heating		kW	2.82	3.97	4.69
EER				3.88	3.88	3.33
COP				4.43	4.03	3.83
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	120		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				3N~/380-415V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

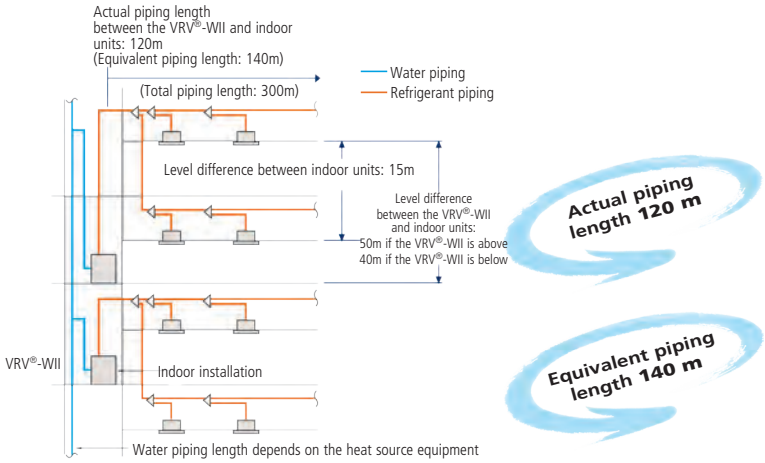


RWEYQ-P

Water cooled VRV® heat pump

RWEYQ10MY1

- Wide condensing unit range: 10, 20 & 30HP via 1 singlel refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design 1000mm (H) x 780mm (W) x 550mm (D)
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length



RWEYQ-P		8	10	16	18	20	24	26	28	30
Modules	RWEYQ8P	1		2	1		3	2	1	
	RWEYQ10P		1		1	2		1	2	3

HEAT PUMP

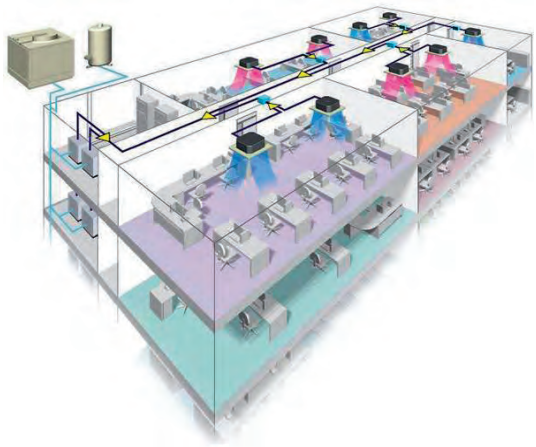
Outdoor Units				8	10	16	18	20	24	26	28	30
Capacity	Cooling		kW	22.4	26.7	44.8	49.1	53.4	67.2	71.5	75.8	80.1
	Heating		kW	25.0	31.5	50.0	56.5	63.0	75.0	81.5	88.0	94.5
Power input (nominal)	Cooling		kW	4.55	6.03	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating		kW	4.24	6.05	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.43	4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.90	5.21	5.90	5.49	5.21	5.91	5.62	5.40	5.19
Dimensions	Unit	Height	mm	1,000								
		Width	mm	780		780+780			780+780+780			
		Depth	mm	550								
Weight	Unit		kg	149	150	149+149	150+149	150+150	149+149+149	150+149+149	150+150+149	150+150+150
Sound pressure (nominal)	Cooling		dBA	50	51	53	54		55			56
Inlet water temperature	Cooling	Min~Max	°C	10~45								
	Heating	Min~Max	°C	10~45								
Refrigerant				R-410A								
Power supply				3~/400V/50Hz								
Piping connections	Liquid (OD)		mm	9.52		12.7	15.9		19.1			
	Gas		mm	-								
	Discharge gas		mm	19.1	22.2	28.6			34.9			
	Max total length		m	300								
Max n° of indoor units to be connected				13	16	26	29	32	36	36	36	36

RWEYQ-P

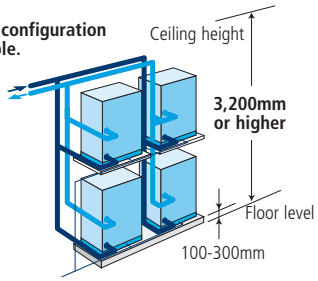
Water cooled VRV® heat recovery

RWEYQ10MY1

- Wide condensing unit range: 10, 20 & 30HP via 1 single refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design 1000mm (H) x 780mm (W) x 550mm (D)
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length



Stacked configuration is possible.



RWEYQ-P		8	10	16	18	20	24	26	28	30
Modules	RWEYQ8P	1		2	1		3	2	1	
	RWEYQ10P		1		1	2		1	2	3

HEAT RECOVERY

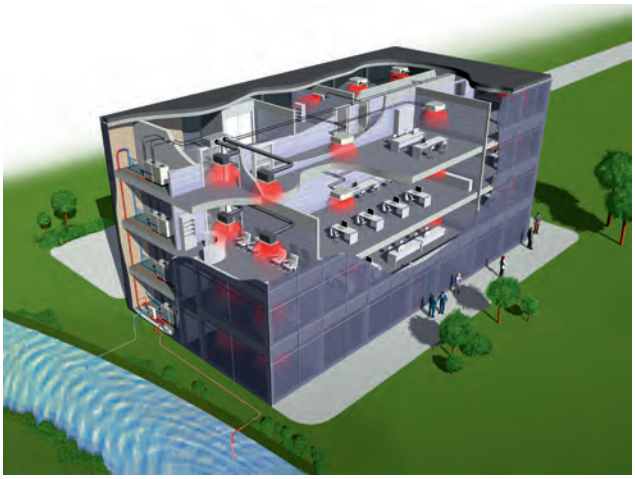
Outdoor Units				8	10	16	18	20	24	26	28	30
Capacity	Cooling		kW	22.4	26.7	44.8	49.1	53.4	67.2	71.5	75.8	80.1
	Heating		kW	25.0	31.5	50.0	56.5	63.0	75.0	81.5	88.0	94.5
Power input (nominal)	Cooling		kW	4.55	6.03	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating		kW	4.24	6.05	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.43	4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.90	5.21	5.90	5.49	5.21	5.91	5.62	5.40	5.19
Dimensions	Unit	Height	mm	1,000								
		Width	mm	780		780+780			780+780+780			
		Depth	mm	550								
Weight	Unit		kg	149	150	149+149	150+149	150+150	149+149+149	150+149+149	150+150+149	150+150+150
Sound pressure (nominal)	Cooling		dBA	50	51	53	54		55			56
Inlet water temperature	Cooling	Min~Max	°C	10~45								
	Heating	Min~Max	°C	10~45								
Refrigerant				R-410A								
Power supply				3~/400V/50Hz								
Piping connections	Liquid (OD)		mm	9.52		12.7	15.9		19.1			
	Gas		mm	19.1	22.2	28.6			34.9			
	Discharge gas		mm	15.9	19.1	22.2			28.6			
	Max total length		m	300								
Max n° of indoor units to be connected				13	16	26	29	32	36	36	36	36

RWEYQ-PR

Geothermal application VRV®III water cooled inverter heat pump

RWEYQ10PR

- Heating with ground sourced water as a renewable energy source!
  - Groundwater remains at a relatively constant temperature during the year
  - Superior efficiency remains even at extreme outdoor temperatures
  - Uses renewable energy: ground water, water from a lake, water from rivers
- Extension of the operation range down to -10°C in heating
  - Add ethylene glycol to the water when the water inlet temperature is lower than 5°C
  - No multi combinations possible
  - Heat Pump and Heat Recovery systems



HEAT PUMP AND HEAT RECOVERY				INVERTER	
Outdoor Units				**8**	**10**
Independent Unit	Outdoor Unit			RWEYQ8PY1R	RWEYQ10PY1R
Capacity	Cooling		kW	22.4	26.7
	Heating		kW	25.0	31.5
Dimensions	Unit	Height	mm	1,000	
		Width	mm	780	
		Depth	mm	550	
Weight	Unit		kg	149	150
Sound Pressure (Nominal)	Cooling		dBA	50	51
Inlet Water Temperature	Cooling		°C	10~45	
	Heating		°C	-10~45	
Refrigerant				R-410A	
Power Supply				3~/400V/50Hz	
Piping connections	Liquid (OD)	HP / HR	mm	9.52 / 9.52	
	Gas	HP / HR	mm	- / 19.1	- / 22.2
	Discharge gas	HP / HR	mm	19.1 / 15.9	22.2 / 19.1
	Max total length		m	300	
Max n° of indoor units to be connected				13	16

FXFQ-P9

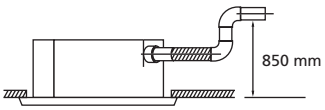
Round flow cassette

BRC1E51

BRC7F532

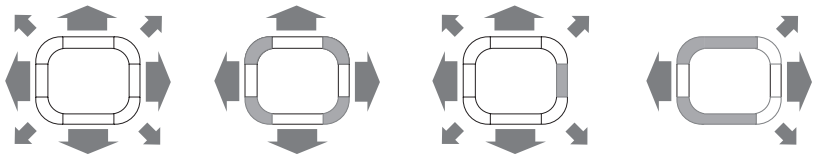
FXFQ-P9

- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Allows multi tenant applications (option PCB required)
- Fresh air intake: standard knockout and optional kit
- Reduced installation height: 214mm for class 20-63
- Drain-up pump with 850mm lift fitted as standard



- Optional daily self-cleaning filter available
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

Examples of air flow patterns possible



FXFQ-P9												
Indoor units				**20**	**25**	**32**	**40**	**50**	**63**	**80**	**100**	**125**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input	Cooling		kW	0.053			0.063	0.083	0.095	0.120	0.173	0.258
	Heating		kW	0.045			0.055	0.067	0.114	0.108	0.176	0.246
Dimensions	(Height x Width x Depth)		mm	204x840x840						246x840x840		288x840x840
Weight			kg	20				21		24		26
Air flow rate	Cooling	High/Low	m³/min	12.5 / 9.0			13.5 / 9.0	15.5 / 10.0	16.5 / 11.0	23.5 / 14.5	26.5 / 17.0	33.0 / 20.0
	Heating	High/Low	m³/min	12.5 / 9.0			13.5 / 9.0	15.0 / 9.5	17.5 / 12.0	23.5 / 14.5	28.0 / 17.5	33.0 / 20.0
Sound power (nominal)	Cooling		dBA	49.0			50.0	51.0	52.0	55.0	58.0	61.0
Sound pressure	Cooling	High/Low	dBA	31.0 / 28.0			32.0 / 28.0	33.0 / 28.0	34.0 / 29.0	38.0 / 32.0	41.0 / 33.0	44.0 / 34.0
	Heating	High/Low	dBA	31.0 / 28.0			32.0 / 28.0	33.0 / 28.0	36.0 / 30.0	38.0 / 32.0	42.0 / 34.0	44.0 / 34.0
Refrigerant				R-410A								
Power supply				1~/220-240V/50Hz								
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.40 / 12.7 / 32					9.5 / 15.9 / 32			
Decoration panel	Model			BYCQ140CW1[1] / BYCQ140CW1W[2] / BYCQ140CGW1[3]								
	Colour			Pure white (RAL 9010)								
	HeightxWidthxDepth		mm	50x950x950 / 50x950x950 / 130x950x950								
	Weight		kg	5.5 / 5.5 / 11.5								

[1] Pure white standard panel with grey louvres; [2] Pure white standard panel with white louvres; [3] Pure white auto cleaning panel

FXZQ-M9

4-way blow ceiling mounted cassette (600mmx600mm)

BRC1E51

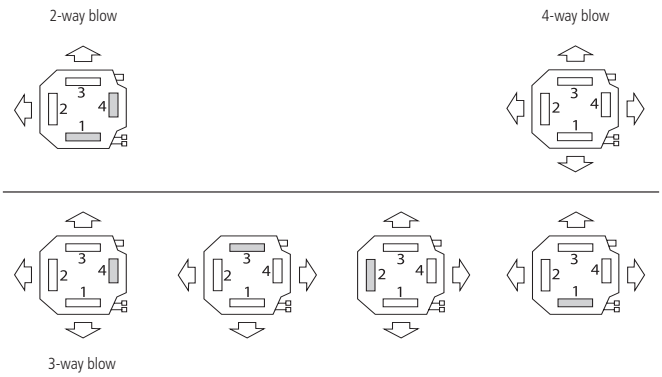
BRC7E530

FXZQ-M9

- Extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices
- Modern style decoration panel in white (RAL9010)
- Low noise operation: down to 25 dBA sound pressure level
- Excellent low draught characteristics
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- Since the flaps can move to a 0 degree position, virtually no draught can be experienced

- Drain up pump with 750mm lift fitted as standard
- Allows multi tenant applications (option PCB required)
- 5 different air flow patterns: Any one of 5 air flow patterns can be freely selected between zero and 40 degrees and will then be maintained during the operational cycle of the air conditioner
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

Examples of air flow patterns possible



FXZQ-M9									
Indoor units				**15**	**20**	**25**	**32**	**40**	**50**
Capacity	Cooling		kW	1.50	2.20	2.80	3.60	4.50	5.60
	Heating		kW	1.70	2.50	3.20	4.00	5.00	6.30
Power input	Cooling		kW	-	0.073		0.076	0.089	0.115
	Heating		kW	-	0.064		0.068	0.080	0.107
Dimensions	(Height x Width x Depth)		mm	286x575x575	286x575x575				
Weight			kg	18	18				
Air flow rate	Cooling	High/Low	m³/min	8.1/7	9.00 / 7.00		9.50 / 7.50	11.00 / 8.00	14.00 / 10.00
Sound power (nominal)	Cooling		dBA	-	47.0		49.0	53.0	58.0
Sound pressure	Cooling	High/Low	dBA	29/25	30.0 / 25.0		32.0 / 26.0	36.0 / 28.0	41.0 / 33.0
Refrigerant				R-410A	R-410A				
Power supply				1~/220-240V/50Hz	1~/220-240V/50Hz				
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 36	6.4 / 12.7 / 36				
Decoration panel	Model			BYFQ60B7W1	BYFQ60B7W1				
	Colour			White (Ral 9010)	White (Ral 9010)				
	HeightxWidthxDepth		mm	55x700x700	55x700x700				
	Weight		kg	2.7	2.7				

*** Note: grey cells contain preliminary data**

FXCQ-M8

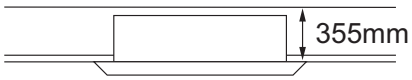
2-way blow ceiling mounted cassette

BRC1E51

BRC7C62

FXCQ20,25,32M8

- Compact dimensions, can easily be mounted in a ceiling void of only 355mm



- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling
- Drain up pump with 600mm lift fitted as standard
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Easy to clean flat suction grille
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

FXCQ-M8												
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**	**80**	**125**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	14.00
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	16.00
Power input	Cooling		kW	0.077	0.092		0.130		0.161	0.209	0.256
	Heating		kW	0.044	0.059		0.097		0.126	0.176	0.223
Dimensions	(Height x Width x Depth)		mm	305x780x600			305x995x600		305x1,180x600	305x1,670x600	
Weight			kg	26			31	32	35	47	48
Air flow rate	Cooling	High/Low	m³/min	7.0 / 5.0	9.0 / 6.5		12.0 / 9.0		16.5 / 13.0	26.0 / 21.0	33.0 / 25.0
	Heating	High/Low	m³/min	7.0 / 5.0	9.0 / 6.5		12.0 / 9.0		16.5 / 13.0	26.0 / 21.0	33.0 / 25.0
Sound power (nominal)	Cooling		dBA	45.0	50.0				52.0	54.0	60.0
Sound pressure	Cooling	High/Low	dBA	33.0 / 28.0	35.0 / 29.0		35.5 / 30.5		38.0 / 33.0	40.0 / 35.0	45.0 / 39.0
	Heating	High/Low	dBA	33.0 / 28.0	35.0 / 29.0		35.5 / 30.5		38.0 / 33.0	40.0 / 35.0	45.0 / 39.0
Refrigerant				R-410A							
Power supply				1~/230V/50Hz							
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 32					9.5 / 15.9 / 32		
Decoration panel	Model			BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1	
	Colour			White (10Y9/0.5)							
	HeightxWidthxDepth		mm	53x1030x680			53x1245x680		53x1430x680	53x1920x680	
	Weight		kg	8.0			8.5		9.5	12.0	

FXKQ-MA

Ceiling mounted corner cassette

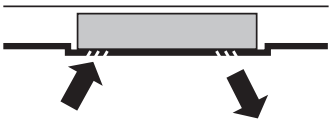
BRC1E51

BRC4C61

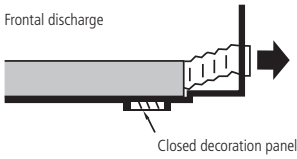
FXKQ63MA

- Slim design 215mm height
- Auto-swing function ensures efficient air and temperature distribution
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Drain up pump with 500mm lift fitted as standard
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

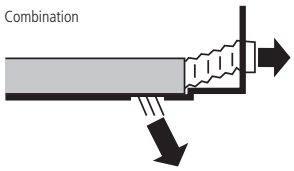
Downward discharge



Frontal discharge



Combination



FXKQ-MA							
Indoor units				**FXKQ25MAVE**	**FXKQ32MAVE**	**FXKQ40MAVE**	**FXKQ63MAVE**
Capacity	Cooling		kW	2.80	3.60	4.50	7.10
	Heating		kW	3.20	4.00	5.00	8.00
Power input	Cooling		kW	0.066		0.076	0.105
	Heating		kW	0.046		0.056	0.085
Dimensions	(Height x Width x Depth)		mm	215x1,110x710			215x1,310x710
Weight			kg	31			34
Air flow rate	Cooling	High/Low	m^3/min	11.00 / 9.00		13.00 / 10.00	18.00 / 15.00
Sound pressure	Cooling	High/Low	dBA	38.0 / 33.0		40.0 / 34.0	42.0 / 37.0
Refrigerant				R-410A			
Power supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	6.4 / 12.7 / 32			9.5 / 15.9 / 32
Decoration panel	Model			BYK45FJW1			BYK71FJW1
	Colour			White			
	HeightxWidthxDepth		mm	70x1240x800			70x1440x800
	Weight		kg	8.5			9.5

FXDQ-M9

Concealed ceiling unit (small)

BRC1E51

BRC4C62

FXDQ20,25M9

- Designed for hotel bedrooms
- Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- The air suction direction can be altered from rear to bottom suction
- Air suction filter fitted as standard
- For easy mounting, the drain pan can be located to the left or the right of the unit
- Allows multi tenant application
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

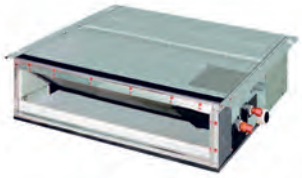
FXDQ-M9					
Indoor Units				**20**	**25**
Capacity	Cooling		kW	2.20	2.80
	Heating		kW	2.50	3.20
Power input	Cooling		kW	0.050	
	Heating		kW	0.050	
Dimensions	(Height x Width x Depth)		mm	230x502x652	
Weight			kg	17	
Air Flow Rate	Cooling	High/Low	m^3/min	6.70 / 5.20	7.40 / 5.80
	Heating	High/Low	m^3/min	6.70 / 5.20	7.40 / 5.80
Sound power (nominal)	Cooling		dBA	50.0	
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	
	Heating	High/Low	dBA	37.0 / 32.0	
Refrigerant				R-410A	
Power Supply				1~/230V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 27.2	

FXDQ-P7

Slim concealed ceiling unit

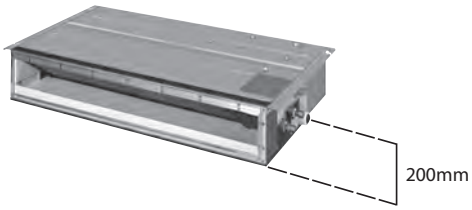
BRC1E51

BRC4C65



FXDQ20-32P7

- Slim design for flexible installation
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices
- Low noise: down to 29dBA sound pressure level
- Adjustable external static pressure
- Optional discharge flanger available
- Drain up pump with 750mm lift fitted as standard
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible



FXDQ-P7										
Indoor Units				**15**	**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling		kW	1.5	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kW	1.7	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kW	-	0.086		0.089	0.160	0.165	0.181
	Heating		kW	-	0.067		0.070	0.147	0.152	0.168
Dimensions	(Height x Width x Depth)		mm	200x700x620	200x700x620			200x900x620		200x1,100x620
Weight			kg	23.0	23.0			27.0	28.0	31.0
Air flow rate	Cooling	HH/H/L	m³/min	- / 7.5 / 6.5	8.0 / 7.2 / 6.4			10.5 / 9.5 / 8.5	12.5 / 11.0 / 10.0	16.50 / 14.5 / 13.00
External static pressure	High/Standard		Pa	-	30 / 10			44 / 15		
Sound pressure	Cooling	HH/H/L	dBA	29 / 28 / 27	33.0 / 31.0 / 29.0			34.0 / 32.0 / 30.0	35.0 / 33.0 / 31.0	36.0 / 34.0 / 32.0
Refrigerant				R-410A	R-410A					
Power supply				1~/220-240V/50Hz	1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 26.0	6.4 / 12.7 / 26.0					9.5 / 15.9 / 26.0

*** Note: grey cells contain preliminary data**

FXSQ-P

Concealed ceiling unit

BRC1E51

BRC4C65

FXSQ20,25,32P

- Reduction of power consumption of 20% (compared to FXSQ-M8 series) through use of new DC fan
- Improved comfort thanks to 3-step airflow control
- External static pressure up to 120 Pa facilitates the use with flexible ducts of varying lengths: ideal for shops and medium size offices
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- Allows multi tenant applications (option PCB required)
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Drain-up pump with 624mm lift fitted as standard
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

How does it work?

- Installer calculates the total duct resistance to determine the required ESP
- During test run, the unit will automatically select the correct fan curve (more than 8 fan curves available) guaranteeing the nominal AFR
- Thanks to the high number of fan curves available, adjustments to duct work can be avoided, resulting in a quicker installation process

Reduced installation time

- After installation, it is possible that the actual duct resistance is lower than expected at the 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-P7

Indoor units				20	25	32	40	50	63	80	100	125	140
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	18.00
Power input	Cooling		kW	0.073		0.079	0.192	0.192	0.142	0.163	0.247	0.303	0.261
	Heating		kW	0.073		0.079	0.192	0.192	0.142	0.163	0.247	0.303	0.249
Dimensions	(Height x Width x Depth)		mm	300x550x700			300x700x700		300x1000x700		300x1400x700		
Weight			kg	23			26		35		46		47
Air flow rate	Cooling	High/Low	m³/min	9.00 / 6.50		9.50 / 7.00	16.00 / 11.00		13.50 / 16.00	25.00 / 20.00	32.00 / 23.00	39.00 / 28.00	46.00 / 32.00
	Heating	High/Low	m³/min	9.00 / 6.50		9.50 / 7.00	16.00 / 11.00		13.50 / 16.00	25.00 / 20.00	32.00 / 23.00	39.00 / 28.00	46.00 / 32.00
External static pressure	High / Standard		Pa	70 / 30			100 / 30			100 / 40	120 / 40	120 / 50	140 / 50
Sound power (nominal)	Cooling		dBA	55.0		56.0	63.0		59.0	63.0	61.0	66.0	67.00
Sound pressure	Cooling	High/Low	dBA	32.0 / 26.0		33.0 / 27.0	37.0 / 29.0		37.0 / 30.0	38.0 / 32.0		40.0 / 33.0	42.00 / 34.00
	Heating	High/Low	dBA	32.0 / 26.0		33.0 / 27.0	37.0 / 29.0		37.0 / 30.0	38.0 / 32.0		40.0 / 33.0	42.00 / 34.00
Refrigerant				R-410A									
Power supply				1~/220-240V/50Hz									
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.35 / 12.7 / 32					9.5 / 15.9 / 32				
Decoration panel	Model			BYBS32DJW1			BYBS45DJW1		BYBS71DJW1	BYBS125DJW1			
	Colour			White (10Y9/0,5)									
	HeightxWidthxDepth		mm	55x650x500			55x800x500		55x1100x500	55x1500x500			
	Weight		kg	3			3.5		4.5	6.5			

FXMQ-P7

Concealed ceiling unit (inverter fan)

BRC1E51

BRC4C65

FXMQ40P7

- Reduction of power consumption through use of new DC fan motor technology
- Improved comfort thanks to 3-step airflow control
- Compact height of 300mm, allows installation in narrow ceiling voids
- Up to 200 Pa external static pressure allows extensive ductwork runs and flexible application
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume (changeable in 13 or 14 stages)
- Built-in drain pump with 700mm lift fitted as standard
- Allows multi tenant applications (option PCB required)
- The air suction direction can be from bottom or rear
- Standard air filter
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

FXMQ-P7										
Indoor units				**40**	**50**	**63**	**80**	**100**	**125**
Capacity	Cooling		kW	4.50	5.60	7.10	9.00	11.20	14.00
	Heating		kW	5.00	6.30	8.00	10.00	12.50	16.00
Power input (Nominal)	Cooling		kW	0.194	0.215	0.23	0.298	0.376	0.461
	Heating		kW	0.182	0.203	0.218	0.286	0.364	0.449
Dimensions	(Height x Width x Depth)		mm	300x700x700	300x1000x700			300x1400x700	
Weight			kg	28	36			46	
Air flow rate	Cooling	HH/H/L	m³/min	16.0 / 13.0 / 11.0	18.0 / 16.5 / 15.0	19.5 / 17.5 / 16.0	25.0 / 22.5 / 20.0	32.0 / 27.0 / 23.0	39.0 / 33.0 / 28.0
External static pressure	H/S/L		Pa	160 / 100 / 30	200 / 100 / 50				
Refrigerant				R-410A					
Power supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 32		9.5 / 15.9 / 32			

FXMQ-MA

Concealed ceiling unit (large)

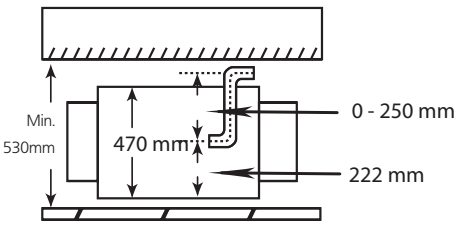
BRC1E51

BRC4C62

FXMQ-MA

- Range of models 200-250 class
- Up to 270 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Optional drain pump (accessory): housing the drain pump inside the unit has reduced the required installation space
- Optional suction air filter plenums and filters
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

Optional drain pump accessory



FXMQ-MA					
Indoor units				**200**	**250**
Capacity	Cooling		kW	22.40	28.00
	Heating		kW	25.00	31.50
Power input (nominal)	Cooling		kW	1.294	1.465
	Heating		kW	1.294	1.465
Dimensions	(Height x Width x Depth)		mm	470x1,380x1100	
Weight			kg	137	
Air flow rate	Cooling	High/Low	m³/min	58.00 / 50.00	72.00 / 62.00
External static pressure	High / Standard		Pa	221 / 132	270 / 147
Sound pressure	Cooling	High/Low	dBA	48.0 / 45.0	
Refrigerant				R-410A	
Power supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	9.5 / 19.1 / PS1B	9.5 / 22.2 / PS1B

FXAQ-P

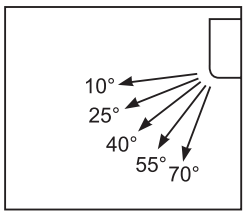
Wall mounted unit

BRC1E51

BRC7E618

FXAQ40-63P

- Modern style flat front panel
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- 5 different discharge angles can be programmed via the remote control



- Both horizontal flaps and front panel can easily be removed and washed
- All maintenance operations can be carried out from the front of the unit
- Ideal for refurbishment projects
- Allows multi tenant applications (option PCB required)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

FXAQ-P				INVERTER					
Indoor units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling	Nominal	kW	2.20	2.80	3.60	4.50	5.60	7.10
	Heating	Nominal	kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input (50Hz)	Cooling	Nominal	kW	0.019	0.028	0.030	0.020	0.033	0.050
	Heating	Nominal	kW	0.029	0.034	0.035	0.020	0.039	0.060
Dimensions	(Height x Width x Depth)		mm	290x795x238			290x1,050x238		
Weight			kg	11			14		
Air flow rate	Cooling	HH/H/M/L	m³/min	- / 7.5 / - / 4.5	- / 8 / - / 5	- / 8.5 / - / 5.5	- / 12 / - / 9	- / 15 / - / 12	- / 19 / - / 14
Refrigerant				R-410A					
Sound power	Cooling	Nominal	dBA	-					
Sound pressure	Cooling	HH/H/M/L	dBA	- / 35 / - / 29	- / 36 / - / 29	- / 37 / - / 29	- / 39 / - / 34	- / 42 / - / 36	- / 46 / - / 39
Power supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / VP13 (I.D. 13/O.D. 18)					9.52/15.9/VP13 (I.D. 13/O.D. 18)
Casing colour				White (3.0Y8.5 / 0.5)					

FXHQ-MA

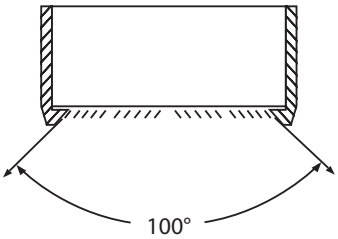
Ceiling suspended unit

BRC1E51

BRC7E63

FXHQ32MA

- Air flow distribution for ceiling heights up to 3.8m without loss of capacity
- Use of W-shaped Coanda flap enhances horizontal and vertical air circulation characteristics
- Wider air discharge thanks to Coanda effect: up to 100 degrees



- Easy installation and maintenance
- Long life filter fitted as standard
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

FXHQ-MA						
Indoor units				**32**	**63**	**100**
Capacity	Cooling		kW	3.60	7.10	11.20
	Heating		kW	4.00	8.00	12.50
Power input	Cooling		kW	0.111	0.115	0.135
	Heating		kW	0.111	0.115	0.135
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x1,160x680	195x1,400x680
Weight			kg	24	28	33
Air flow rate	Cooling	High/Low	m³/min	12.00 / 10.00	17.50 / 14.00	25.00 / 19.50
Sound pressure	Cooling	High/Low	dBA	36.0 / 31.0	39.0 / 34.0	45.0 / 37.0
Refrigerant				R-410A		
Power supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 26	9.5 / 15.9 / 26	

FXUQ-MA

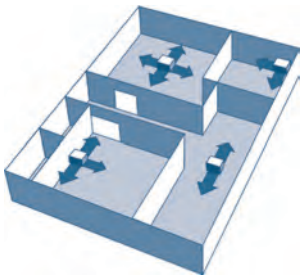
4-way blow ceiling suspended cassette

BRC1E51

BRC7C528

FXUQ71MA

- Group control with other VRV indoor units possible
- 5m maximum distance between FXUQ unit and junction box
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners



- Auto-swing function ensures efficient air and temperature distribution
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity
- Air can be discharged at 5 different angles between 0 and 60 degrees
- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated
- Drain up pump with 500mm lift fitted as standard
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

FXUQ-MA						
Indoor units				**71**	**100**	**125**
Capacity	Cooling		kW	8.0	11.2	14.0
	Heating		kW	9.0	12.5	14.0
Power input	Cooling		kW	0.180	0.289	
	Heating		kW	0.160	0.269	
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895	
Weight			kg	25	31	
Air flow rate	Cooling	High/Low	m³/min	19.00 / 14.00	29.00 / 21.00	32.00 / 23.00
	Heating	High/Low	m³/min	19.00 / 14.00	29.00 / 21.00	32.00 / 23.00
Sound power (nominal)	Cooling		dBA	56.0	59.0	60.0
Sound pressure	Cooling	High/Low	dBA	40.0 / 35.0	43.0 / 38.0	44.0 / 39.0
	Heating	High/Low	dBA	40.0 / 35.0	43.0 / 38.0	44.0 / 39.0
Refrigerant				R-410A		
Power supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	9.5 / 15.9 / 26		
Combination with junction box				BEVQ71MA	BEVQ100MA	BEVQ125MA

BEVQ-MA			**71**	**100**	**125**
Dimensions	HxWxD	mm		100x350x225	
Weight		kg	3.0	3.0	3.5
Casing			Galvanised steel plate		
Power supply		VE	1~, 50Hz, 220-240V		

FXNQ-P

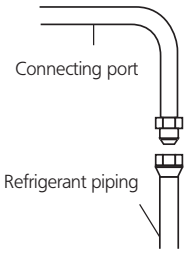
Concealed floor standing unit

BRC1E51

BRC4C62

FXNQ20,25P

- Ideal for installation beneath a window
- Long life filter fitted as standard
- Requires very little installation space, only 220mm depth
- The connecting port faces downward, eliminating the need to attach auxiliary piping



FXNQ-P											
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kW	0.049		0.090		0.110	
	Heating		kW	0.049		0.090		0.110	
Dimensions	(Height x Width x Depth)		mm	610x930x220		610x1,070x220		610x1,350x220	
Weight			kg	19		23		27	
Air flow rate	Cooling	High/Low	m³/min	7.00 / 6.00		8.00 / 6.00	11.00 / 8.50	14.00 / 11.00	16.00 / 12.00
Sound pressure	Cooling	High/Low	dBA	35.0 / 32.0			38.0 / 33.0	39.0 / 34.0	40.0 / 35.0
Refrigerant				R-410A					
Power supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 21					9.5 / 15.9 / 21

FXLQ-P

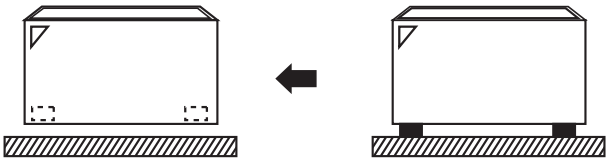
Floor standing unit

BRC1E51

BRC7C62

FXLQ20-25P

- New stylish modern casing: finished in RAL 9010 colour
- Unit can be installed as free standing model by use of optional back plate
- Ideal for installation beneath a window
- The use of inverter type outdoor units results in an air conditioning system with a high energy efficiency
- Home leave operation saves energy during absence
- Requires very little installation space
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit where dust tends to accumulate



- Wired remote control can easily be integrated in the unit
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. Provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible

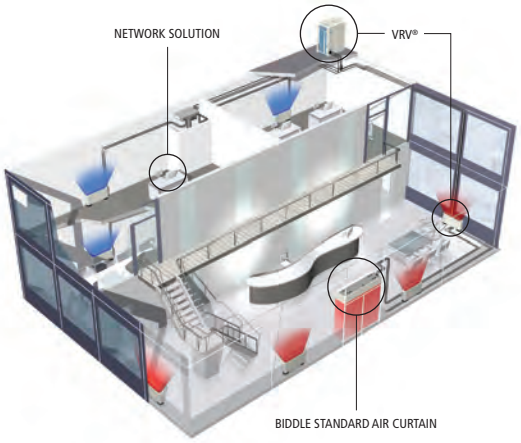
FXLQ-P				INVERTER					
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling	Nominal	kW	2.20	2.80	3.60	4.50	5.60	7.10
	Heating	Nominal	kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input (50Hz)	Cooling	Nominal	kW	0.049		0.090		0.110	
	Heating	Nominal	kW	0.049		0.090		0.110	
Dimensions	(Height x Width x Depth)		mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight			kg	27		32		38	
Air Flow Rate	Cooling	HH/H/M/L	m³/min	- / 7 / - / 6		- / 8 / - / 6	- / 11 / - / 8.5	- / 14/ - / 11	- / 16 / - / 12
Refrigerant				R-410A					
Sound Power	Cooling	Nominal	dBA	-					
Sound Pressure	Cooling	HH/H/M/L	dBA	- / 35 / - / 32			- / 38 / - / 33	- / 39 / - / 34	- / 40 / - / 35
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 21					9.52 / 15.9 / 21
Casing colour				Pure white (RAL9010) + Iron grey (RAL7011)					

CYQ-DK-BN

Biddle standard air curtain

CYQ-DK-F

- Connectable to VRV® heat recovery and heat pump
- VRV® is among the first DX systems suitable for connection to air curtains
- 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
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- All year round comfort ensured by the constant discharge velocity and adjustable jet airflow width (European patent)
- 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			
Indoor units				CYQS150DK80*BN	CYQS200DK100*BN	CYQS250DK140*BN	CYQM100DK80*BN	CYQM150DK80*BN	CYQM200DK100*BN	CYQM250DK140*BN
Heating capacity			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	Inlet = room temperature		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010						
Dimensions	Height	Unit F/C/R*	mm	270 / 270 / 270						
	Width	Unit 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	Unit F/C/R*	mm	590 / 821 / 561						
Required ceiling void >			mm	420						
Door height	Favorable/normal/unfavorable conditions		m	2.3 / 2.15 / 2.0			2.5 / 2.4 / 2.3			
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66 / 83 / 88	83 / 102 / 108	107 / 129 / 137	57 / 68 / 66	73 / 88 / 93	94 / 111 / 117	108 / 136 / 144
Fan - Air flow rate - Heating			m³/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Refrigerant	Type			R-410A						
Sound pressure - Heating			dBA	49	50	51	50	51	53	54
Piping connections	Liquid (OD) / Gas		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 (BRC1E51A)						
Power supply	Voltage		V	1~/230V/50Hz						

				LARGE			
Indoor units				CYQL100DK125*BN	CYQL150DK200*BN	CYQL200DK250*BN	CYQL250DK250*BN
Heating capacity			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	Inlet = room temperature		K	15		14	12
Casing	Colour			BN: RAL9010			
Dimensions	Height	Unit F/C/R*	mm	370 / 370 / 370			
	Width	Unit 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	Unit F/C/R*	mm	774 / 1,105 / 745			
Required ceiling void >			mm	520			
Door height	Favorable/normal/unfavorable conditions		m	3.0 / 2.75 / 2.5			
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76 / 81 / 83	100 / 118 / 141	126 / 151 / 155	157 / 190 / 196
Fan - Air flow rate - Heating			m³/h	3,100	4,650	6,200	7,750
Refrigerant	Type			R-410A			
Sound pressure - Heating			dBA	53	54	56	57
Piping connections	Liquid (OD) / Gas		mm	9.52 / 16.0	9.52 / 19.0	9.52 / 22.0	9.52 / 22.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E51A)			
Power supply	Phase / Frequency / Voltage		Hz / V	1~/230V/50Hz			

*F: Freehanging model, C: Cassette model, R: Recessed model

Hot water module

For VRV® heat recovery

HEATING ONLY HYDROBOX FOR VRV®

Ideally positioned for the commercial office sector Daikin UK now offers an energy efficient domestic hot water and heating solution for w.c. facilities, kitchens and staff break out areas.

Hot water module

The VRV®III hot water module provides an energy efficient means of producing hot water with a leaving temperature range of 25 to 80°C from recovered or recycled heat.

To date, the primary operation of the VRV® heat recovery system has been to extract heat from areas being cooled and re-distribute to parts of the building with a heating requirement, often as a result of building orientation and diversity. However, if more heat is extracted than can be effectively re-used this surplus heat is generally dissipated to the atmosphere at the VRV® outdoor unit and subsequently the recovered energy is wasted and the system is not operating at its peak efficiency.

Using the surplus heat

By using the hot water module with VRV®III heat recovery the surplus heat can be effectively used as renewable heat for the generation and storage of domestic hot water as well as for heating, via under floor circuits, fan coil units, and low temperature radiators. In combination the hot water module and the VRV®III heat recovery system means that less energy is wasted and the overall system efficiency is greatly improved, reducing running costs and reducing carbon emissions.

For applications requiring either chilled water, different capacities and configurations, or connection to the full Heat Recovery range, please contact your local sales office for advice.

Hot water

Use heat pump technology to produce hot water

- Free hot water production possible
- Possibility to connect to solar panels
- Possible applications: bathrooms, sinks, underfloor heating and radiators
- Hot water up to 80°C

SAVE UP TO 17% COMPARED TO A GAS BOILER

HXHD125A

Heating only hydrobox for VRV®

HEATING ONLY HYDROBOX FOR VRV®

- VRV® plug & play, all necessary components integrated
- Use heat pump technology to efficiently produce hot water, up to 17% savings compared to a gas boiler
- Free hot water production possible by recovery of heat from areas requiring cooling
- Leaving water temperature from 25 up to 80°C, without electric heater
- Hot water production possible up to 35°C ambient outdoor temperature
- Possibility to connect thermal solar panels to the domestic hot water tank
- Possible applications: bathrooms, sinks, under floor heating and radiators
- No gas connection needed
- Only connectable to REYAQ10-16P

HEATING ONLY

				HXHD125A
Heating capacity	Nom.		kW	14.0
Casing	Colour			Metallic Grey
	Material			Pre coated sheet metal
Dimensions	HeightxWidthxDepth		mm	705x600x695
Weight			kg	92
Refrigerant		Type	Cascade	R-134a / R-410A
Sound pressure level (1)			dBA	40
Sound pressure level (2)			dBA	43
Sound pressure level (3)			dBA	38
Heating operation range	Ambient	Minimum	°C	-15
		Maximum	°C	20
	Waterside	Minimum LW	°C	25
		Maximum LW	°C	80
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240
Recommended fuses			A	20

(1) Measuring conditions: Entering water: 55°C, leaving water: 65°C
(2) Measuring conditions: Entering water: 70°C, leaving water: 80°C
(3) Measuring conditions: Entering water: 55°C, leaving water: 65°C, low sound mode
Reversible hydrobox for VRV® (EKHBHV80,140BA) available on request.

OUTDOOR UNITS

REYAQ-P				10	12	14	16
Capacity	Cooling (*1)		kW	28.0	33.5	40.0	45.0
	EER			3.95	3.84	3.51	3.19
	Heating (*2)		kW	31.5	37.5	45.0	50.0
	COP			4.27	4.24	4.09	3.91
Dimensions	HeightxWidthxDepth		mm	1680x1300x765			
Weight			kg	331		339	
Heat exchanger	Tube type			Cross finned coil			
Fan	Type			Propeller			
Air flow rate	Cooling		m³/min	190	210	235	240
Fan	Motor (drive)			Direct drive			
	Output motor		W	350x2		750x2	
Compressor	Motor type			Hermetically sealed scroll compressor			
Refrigerant	Name			R-410A			
	Charge		kg	(10.6)	(10.8)	(11.1)	(11.1)
Piping connections	Liquid (OD) / Gas / Discharge Gas			Braze connection			
Piping diameter	Liquid (OD) / Gas / Discharge Gas		mm	9.52 / 22.2 /19.1	12.7 / 28.6 / 19.1	12.7 / 28.6 / 22.2	
Defrost method				De-icer			
Power supply (±10%)			Hz / V	3~ / 50 / 380-415			
Fuse			A	3~ / 25		3~ / 40	
Safety devices				HPS			
				Fan motor driver overload protector			
				Over current relay			
				Inverter overload protector			

(*1) Rated cooling conditions: Outdoor temperature: 35°CDB, indoor unit: 27°C DB / 19 °C WB, equivalent refrigerant piping length: 5m, level difference: 0m.
(*2) Rated heating conditions: Outdoor temperature: 7°C DB / 6°C WB, indoor unit: 20°C DB, equivalent refrigerant piping length: 5m, level difference: 0m.

Ventilation

Air conditioning and air movement of course, are not the same.
Neither actually includes the other but both are necessary components of a comfortable and energy efficient indoor climate.

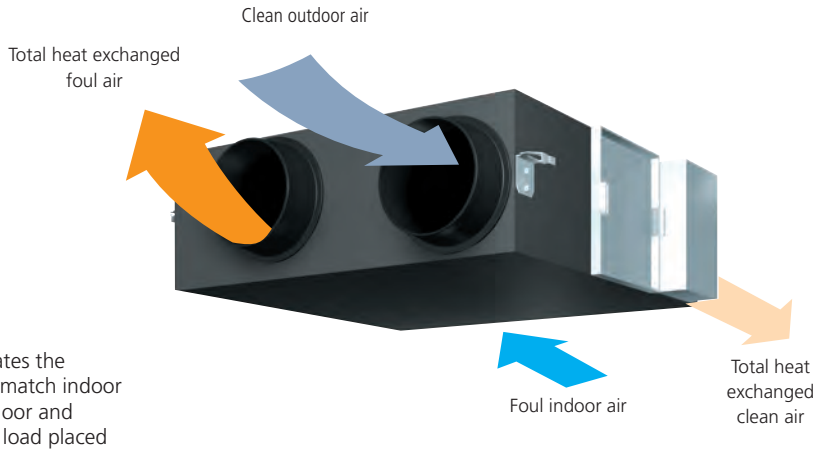
Ventilation by itself cannot cope with the high heat gains generated by modern office complexes and indoor temperature and humidity levels can fluctuate wildly if ventilation alone is installed. On the other hand, air conditioning cannot supply the necessary fresh air needed for a balanced system. The ideal solution therefore, requires air conditioning and ventilation in combination.

Daikin manufactures and markets a range of fresh air reclaim, treatment and handling systems, carefully designed for integration with its air conditioning systems in order to achieve the most economic, environmentally conscious and best possible indoor comfort conditions.

For a copy of our latest Price List please call 0845 6419000

VAM-FA

Heat reclaim ventilation



The Daikin heat recovery ventilation system modulates the temperature and humidity of incoming fresh air to match indoor conditions. A balance is thus achieved between indoor and outdoor ambients, enabling the cooling or heating load placed on the air conditioning system to be reduced significantly. HRV units can be controlled individually or integral with the air conditioning system (Daikin VRV® or Sky Air series).

- 9 models to choose from
- Compact, energy saving ventilation
- Specially developed heat exchange element with HEP (High Efficiency Paper)
- Easy integration into the VRV® system
- Connectable to current Daikin control systems:

DS-net

intelligent touch Controller

intelligent Manager

BACnet Gateway

DMS-IF

VAM-FA											
Ventilation			**VAM150FA8**	**VAM250FA8**	**VAM350FA8**	**VAM500FA8**	**VAM650FA8**	**VAM800FA8**	**VAM1000FA8**	**VAM1500FA8**	**VAM2000FA8**
Air flow rate		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
Sound pressure level (max.) (1)		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
External static pressure (max.)		Pa	69	64	98	98	93	137	157	137	137
Temperature exchange efficiency		%	74	72	75	74	74	74	75	75	75
Enthalpy exchange efficiency	heating	%	58	58	61	58	58	60	61	61	61
	cooling	%	64	64	65	62	63	65	66	66	66
Dimensions	H	mm	285	285	308	308	364	364	364	726	726
	W	mm	776	776	828	828	1,004	1,004	1,004	1,514	1,514
	D	mm	525	525	816	816	868	868	1,156	868	1,156
Weight		kg	24	24	33	33	48	48	61	132	158
Duct diameter		mm	ø 100	ø 150	ø 150	ø 200	ø 200	ø 250	ø 250	ø 350	ø 350
Power supply		VE	1 ~, 50Hz, 220-240V								

(1) Sound pressure level is measured in heat exchange mode.

VKM-GA

Heat reclaim ventilation with DX coil

- Heat purge (economiser): heat accumulated indoors is discharged at night
- Integration of air conditioning into HRV unit
- Increased static pressure thanks to improved fan performance
- Integrated control with VRV® system only
- Connectable to current Daikin control systems:

DS-net

intelligent touch Controller

intelligent Manager

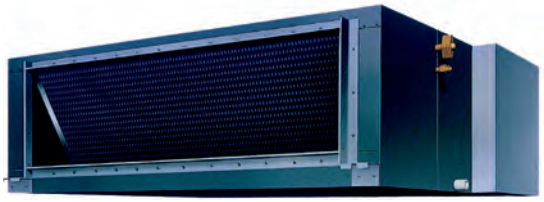
BACnet Gateway

DMS-IF

VKM-GA					
Ventilation & DX coil			**VKM50GA**	**VKM80GA**	**VKM100GA**
Fresh air conditioning load	Cooling	kW	4.71	7.46	9.12
	Heating	kW	5.58	8.79	10.69
Air flow rate	UH - H - L	m^3/h	500 - 500 - 440	750 - 750 - 640	950 - 950 - 820
Sound pressure level - 220V	UH - H - L	dBA	38 - 36 - 33.5	40 - 37.5 - 34.5	40 - 38 - 35
Sound pressure level - 240V	UH - H - L	dBA	39 -37 - 33.5	41.5 - 39 - 37	41 - 39 - 36.5
Static pressure	UH - H - L	Pa	180 - 150 - 110	170 - 120 - 80	150 - 100 - 70
Temperature exchange efficiency	UH - H - L	%	76 - 76 - 77.5	78 - 78 - 79	74 - 74 - 76.5
Enthalpy exchange efficiency - cooling	UH - H - L	%	64 - 64 - 67	66 - 66 - 68	62 - 62 - 66
Enthalpy exchange efficiency - heating	UH - H - L	%	67 - 67 - 69	71 - 71 - 73	65 - 65 - 69
Dimensions	Height	mm	387	387	387
	Width	mm	1,764	1,764	1,764
	Depth	mm	832	1,214	1,214
Weight		kg	96	109	114
Power supply		V1	1 ~, 220-240V, 50Hz		

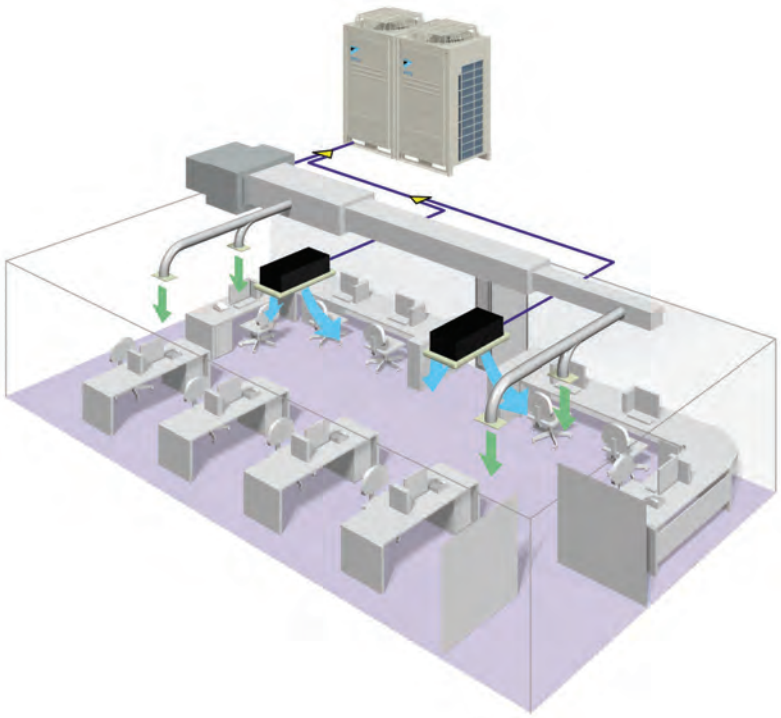
FXMQ-MF

Outdoor air processing unit



FXMQ250MF

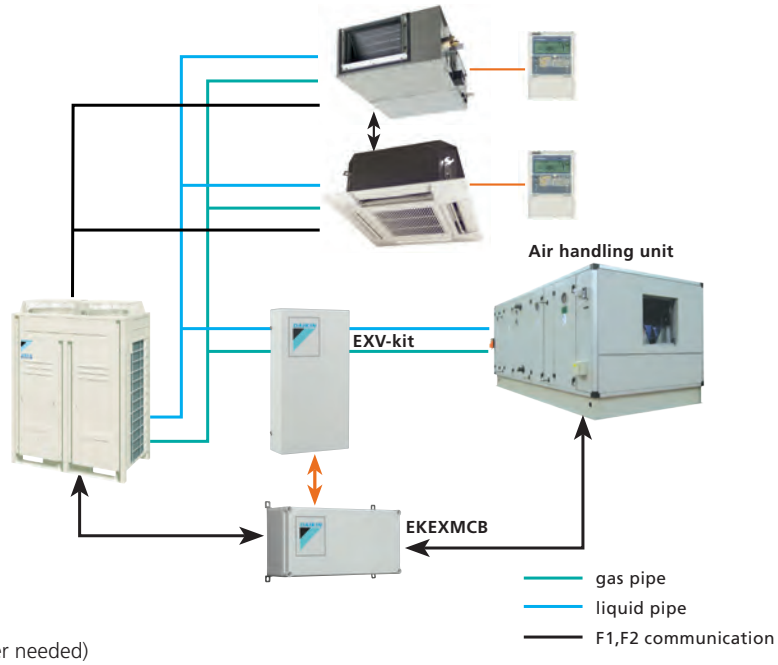
- 100% fresh air intake possible
- Operation range: -5°C to 43°C
- 225 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Drain pump kit available as accessory



FXMQ-MFV1						
Indoor Units				**FXMQ125MFV1**	**FXMQ200MFV1**	**FXMQ250MFV1**
Capacity	Cooling		kw	14.0	22.4	28.00
	Heating		kw	8.9	13.9	17.40
Power input	Cooling		kw	0.359	0.548	0.638
	Heating		kw	0.359	0.548	0.638
Dimensions	(Height x Width x Depth)		mm	470x744x1100	470x1380x1100	
Weight			kg	86	123	
Air Flow Rate	Cooling	Medium	m³/min	18.0	28.0	35.0
	Heating	Medium	m³/min	18.0	28.0	35.0
Power Supply				220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.5 / 15.9 / PS1B	9.5 / 19.1 / PS1B	9.5 / 22.2 / PS1B

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 18HP)
- Cooling only and heat pump
- R-410A
- Control z:
  control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
- Large range of expansion valve kits available
- BRC1E51A is used to set the set point temperature (connected to the EKEXMCB).

Outdoor Unit										
RXYQ-P9				**5**	**8**	**10**	**12**	**14**	**16**	**18**
Capacity range			HP	5	8	10	12	14	16	18
Capacity	Cooling		kW	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Power Input	Cooling		kW	3.52	5.56	7.42	9.62	12.4	14.2	16.2
Dimensions	(Height x Width x Depth)		mm	1,680x635x765	1,680x930x765			1,680x1,240x765		
Weight			kg	157	185	238		315		323
Sound Level	Sound Power	Cooling	dBA	72	78		80			83
	Sound	Cooling	dBA	54	57	58	60			63
Air Flow Rate (Nominal) at 230V)	Cooling		m^3/min	95	171	185	196	233		239
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0						
Refrigerant				R-410A						
Power Supply				3N~/400V/50Hz						
Max n° of indoor units to be connected				8	13	16	19	23	26	29
Piping connections	Liquid (OD)/Gas		mm	9.5 / 15.9	9.5 / 19.1	9.5 / 22.2	12.7 / 22.2	12.7 / 28.6		15.9 / 28.6

Combination Table										
Outdoor units		**Control box**	**Expansion valve kit**							
		control z	**class 50**	**class 63**	**class 80**	**class 100**	**class 125**	**class 140**	**class 200**	**class 250**
		EKEXMCB	**EKEXV50**	**EKEXV63**	**EKEXV80**	**EKEXV100**	**EKEXV125**	**EKEXV140**	**EKEXV200**	**EKEXV250**
3ph	RXYQ5P9	X	X	X	X	X	X	X	X	X
	RXYQ8P9	X	X	X	X	X	X	X	X	X
	RXYQ10P9	X	X	X	X	X	X	X	X	X
	RXYQ12P9	X	X	X	X	X	X	X	X	X
	RXYQ14P9	X	X	X	X	X	X	X	X	X
	RXYQ16P9	X	X	X	X	X	X	X	X	X
	RXYQ18P9	X	X	X	X	X	X	X	X	X

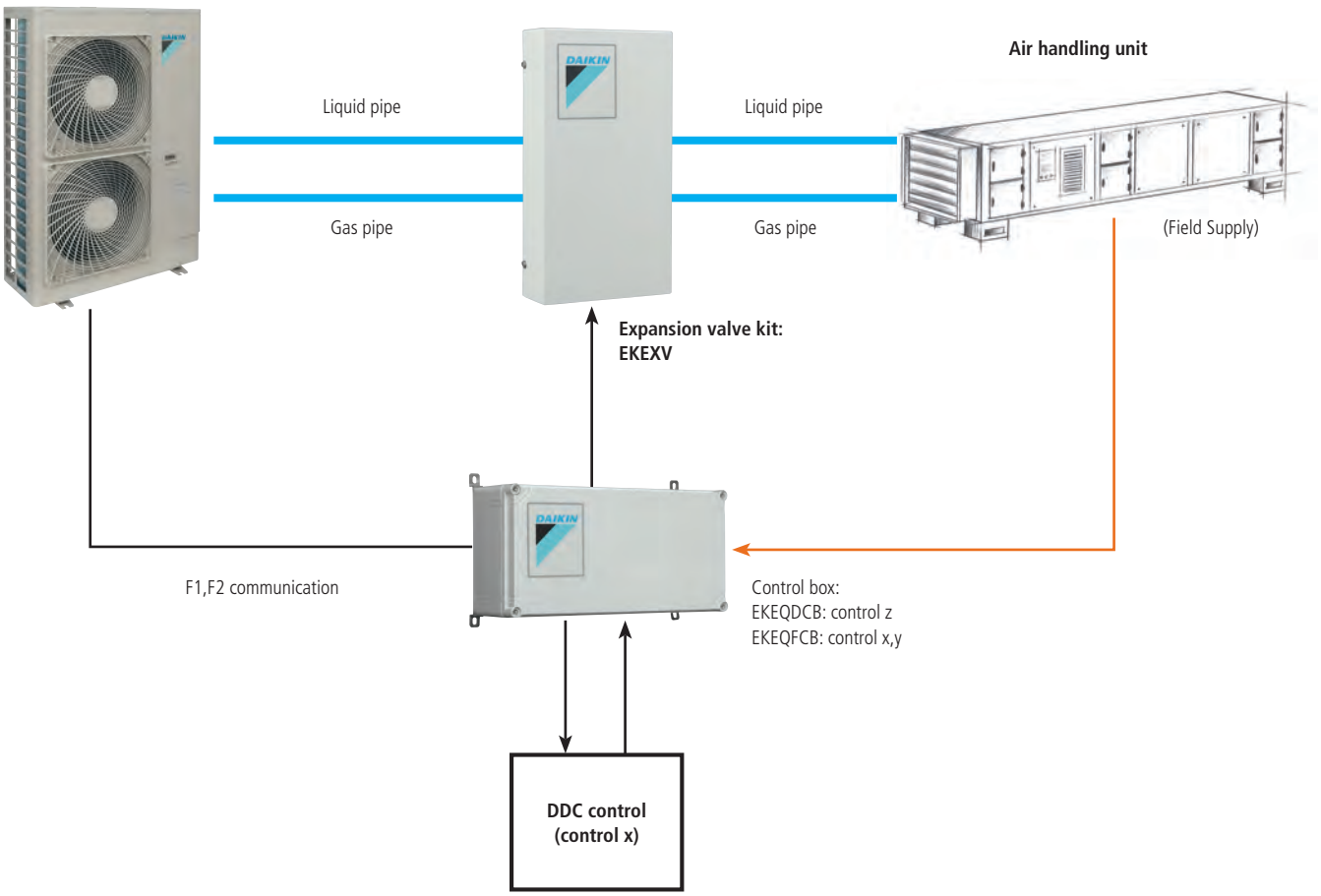
ERQ

Condensing units for air handling applications (pair)

R-410A

A range of R-410A inverter condensing units for pair application with air handling units.
Inverter controlled heat pump units with R-410A refrigerant.

- Large capacity range (from 100 to 250 class)
- Wide range of expansion valve kits available (from 63 to 250 class)
- Ventilation and air conditioning in one solution
- EKEXV-kit & control boxes are designed for outdoor installation and can be wall mounted
- Outdoor unit operation range: -5°CDB ~ 43°CDB
- 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).



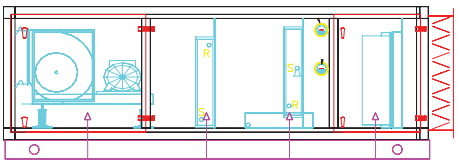
HEAT PUMP						
Outdoor units				**ERQ100AV1**	**ERQ125AV1**	**ERQ140AV1**
Capacity	Cooling	Nominal	kW	11.2	14.0	15.5
	Heating	Nominal	kW	12.5	16.0	18.0
Power input	Cooling	Nominal	kW	2.81	3.51	4.53
	Heating	Nominal	kW	2.74	3.86	4.57
EER				3.99		3.42
COP				4.56	4.15	3.94
Casing		Colour		Daikin White		
		Material		Painted galvanized steel plate		
Dimensions		HxWxD	mm	1,345 x 900 x 320		
Weight			kg	120		
Sound power level	Cooling	Nominal	dBA	66	67	69
Sound pressure level	Cooling	Nominal	dBA	50	51	53
	Heating	Nominal	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	mm	ø9.52		
		Gas	mm	ø15.9		ø19.1
		Drain	mm		3 x ø26	
Piping length		Max total length	m	55		
Power supply				1 ~, 220-240V, 50Hz		

HEAT PUMP						
Outdoor units				**ERQ125AW1**	**ERQ200AW1**	**ERQ250AW1**
Capacity	Cooling	Nominal	kW	14.0	22.4	28.0
	Heating	Nominal	kW	16.0	25.0	31.5
Power input	Cooling	Nominal	kW	3.52	5.22	7.42
	Heating	Nominal	kW	4.00	5.56	7.70
EER				3.98	4.29	3.77
COP				4.00	4.50	4.09
Casing		Colour		Daikin White		
		Material		Painted galvanized steel plate		
Dimensions		HxWxD	mm	1,680 x 635 x 765	1,680 x 930 x 765	
Weight			kg	159	187	240
Sound power level	Cooling	Nominal	dBA	72	78	
Sound pressure level	Cooling	Nominal	dBA	54	57	58
Operation range	Cooling	Min-Max	°CDB	-5 ~ 43		
	Heating	Min-Max	°CWB	-20 ~ 15		
Refrigerant type				R-410A		
Piping connections		Liquid	mm	ø9.52		
		Gas	mm	ø15.9	ø19.1	ø22.2
Piping length		Max total length	m	55		
Power supply				3N~, 400V, 50Hz		

VAP(W)-L
Air handling units

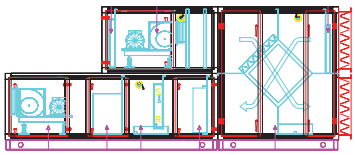
Air handling units
The Daikin range has 5 air flow volumes from 1750 m3/hr (0.48 m/3s) to 9000 m/3hr (2.54 m/3s) all capable of 250 pa external static.

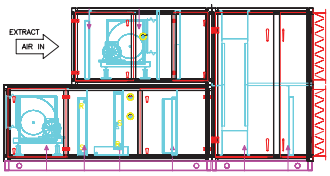
They can be broken down into 3 distinct groups all of which are available in both Internally mounted plant room - VAP and externally mounted weatherproofed types - VAW.



The range VAP/WLA-D is a straight forward supply only unit
- Type A with heating by LTHW, Type B with heating by Electric, Type C with heating by LTHW & DX cooling, Type D with heating by Electric & DX cooling,

The range VAP/WLE-H is a Supply & Extract with a Heat cube plate heat exchanger which recovers sensible heat thus reducing energy
- Type E Heat Cube with heating by LTHW, Type F Heat Cube with heating by Electric, Type G Heat Cube with heating by LTHW & DX cooling, Type H Heat Cube with heating by Electric & DX cooling,





The range VAP/WLI-L is a Supply & Extract with a Thermal Wheel heat exchanger which recovers sensible heat thus reducing energy
- Type I Thermal Wheel with heating by LTHW, Type J Thermal Wheel with heating by Electric, Type K Thermal Wheel with heating by LTHW & DX cooling, Type L Thermal Wheel with heating by Electric & DX cooling.

Capacity conditions
The heating conditions are based on Airside - 5°C db on and 20°C db off, LTHW on 82°C & off @ 71°C
The cooling conditions are based on Airside on coil 32°C db / 22°C wb, off @ 22°C db & 18°C wb using R410A @ 6°C Evaporating

Notes
Units come as standard with left hand connections (in direction of airflow) but right hand are available at no extra charge. Filtration - All models with heating coils have G4 (panel) Class filtration all units with heating & cooling coils have G4 (panel) + F6 (bag) Class filtration.

The larger internal units are delivered in a number of sections which will assist in getting these units into plant room areas the number of sections are shown on the following pages (indicated as shipped in pcs) further details are shown on the General Arrangement drawings. These units will need bolting together on site (by others).

The noise levels shown are Sound power levels (dbA) at source you should note that the models with supply and extract fans (models E to L) may have different noise levels which is why they are shown separately.

For further details please refer to the Technical Manual, Data Sheets or General Arrangement drawings.

Type	Fan	Damper	Filter – G4 Panel	Filter - F6 Bag Rigid	Heating		Cooling DX R410A	Recoup	Wheel
					LTHW	Electric			
A	✓	✓	✓		✓				
B	✓	✓	✓			✓			
C	✓	✓	✓	✓	✓		✓		
D	✓	✓	✓	✓		✓	✓		
E	✓	✓	✓		✓			✓	
F	✓	✓	✓			✓		✓	
G	✓	✓	✓	✓	✓		✓	✓	
H	✓	✓	✓	✓		✓	✓	✓	
I	✓	✓	✓		✓				✓
J	✓	✓	✓			✓			✓
K	✓	✓	✓		✓		✓		✓
L	✓	✓	✓	✓		✓	✓		✓

VAP-L

Specification tables Types A, B, C

Internally Mounted Air Handling Unit			Complete with LPHW heating coil Type A				
			VAPLA1750AW	VAPLA3000AW	VAPLA4000AW	VAPLA7000AW	VAPLA9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	1400	1630	1480	1830	1630
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	126	170	181	280	304
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.9	83.1	81.1	81.1	84.9
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	1.79	2.5	2.5	4.59	6.19
	Start Current	A	12.26	17.5	17.5	35.8	46.42

Internally Mounted Air Handling Unit			Complete with Electric heating coil Type B				
			VAPLB1750AW	VAPLB3000AW	VAPLB4000AW	VAPLB7000AW	VAPLB9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2030	2030	2080	2380	2200
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	133	178	191	290	319
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.8	82.9	80.9	81.1	84.8
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	2.05	2.5	2.5	4.59	6.19
	Start Current	A	11.1	17.5	17.5	35.8	46.43

Internally Mounted Air Handling Unit			Complete with LPHW heating coil & R410a DX Cooling coil Type C				
			VAPLC1750AW	VAPLC3000AW	VAPLC4000AW	VAPLC7000AW	VAPLC9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2330	2510	2560	2670	2810
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Dry	kg	205	248	252	383	443
Shipped in		Pcs	1	2	2	2	2
Sound Power Level	Supply Fan	dB	82.2	81.6	82.5	85.9	86
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.2
	Start Current	A	8.84	17.09	24.1	35.52	46.5
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ125A	ERQ200A	2 x ERQ140A	2 x ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV200	2 x EKEXV140	2 x EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	2 x EKEQFCB	2 x EKEQFCB

VAP-L

Specification tables Types D, E, F

Internally Mounted Air Handling Unit			Complete with Electric heating coil & R410a DX Cooling coil Type D				
			VAPLD1750AW	VAPLD3000AW	VAPLD4000AW	VAPLD7000AW	VAPLD9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2440	2600	2630	2820	2970
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Dry	kg	214	259	297	395	458
Shipped in		Pcs	1	2	2	2	2
Sound Power Level	Supply Fan	dB	82	81.5	82.3	85.9	85.9
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.19
	Start Current	A	8.84	17.01	24.1	35.52	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ125A	ERQ200A	2 x ERQ140A	2 x ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV200	2 x EKEXV140	2 x EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Internally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) Complete with LPHW heating coil Type E				
			VAPLE1750AW	VAPLE3000AW	VAPLE4000AW	VAPLE7000AW	VAPLE9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2580	2780	2630	3280	3010
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	538	548	616	810	910
Shipped in		Pcs	2				
Sound Power Level	Supply Fan	dB	82.3	85.2	83.5	82.9	86.5
	Return Fan	dB	82.1	85.1	83.4	82.8	86.5
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.6	22.6	46.42	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.31	2.5	3.19	6.19	7.81
	Start Current	A	17.09	17.5	22.6	46.42	56.23

Internally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) Complete with Electric heating coil Type F				
			VAPLF1750AW	VAPLF3000AW	VAPLF4000AW	VAPLF7000AW	VAPLF9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2580	2780	2730	3280	3060
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	538	548	627	822	923
Shipped in		Pcs	2				
Sound Power Level	Supply Fan	dB	82.1	85	83.3	82.6	86.4
	Return Fan	dB	82.1	85.1	83.4	82.8	86.5
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.31	2.5	3.19	6.19	7.81
	Start Current	A	17.09	17.5	22.65	46.43	56.23

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Specification tables Types G, H, I

Internally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger LPHW heating & R410a DX Cooling				Type G
			VAPLG1750AW	VAPLG3000AW	VAPLG4000AW	VAPLG7000AW	VAPLG9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3330	3650	3230	4480	4290
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Dry	kg	503	603	659	990	1080
Shipped in		Pcs	2			3	
Sound Power Level	Supply Fan	dB	82.6	83.6	87.4	87.2	87.2
	Return Fan	dB	82.1	85.1	83.7	82.7	86.5
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	5.6	7.81
	Start Current	A	12.28	17.09	35.52	40.88	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.5	2.5	3.19	6.19	7.81
	Start Current	A	17.5	17.5	22.65	46.53	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ100A	ERQ100A	ERQ200A	ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV63	EKEXV100	EKEXV200	EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Internally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger Electric heating & R410a DX Cooling				Type H
			VAPLH1750AW	VAPLH3000AW	VAPLH4000AW	VAPLH7000AW	VAPLH9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3580	3830	3480	4480	4340
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Dry	kg	510	620	670	990	1080
Shipped in		Pcs	2			3	
Sound Power Level	Supply Fan	dB	82	84.8	87.3	87.2	88.4
	Return Fan	dB	84	82.5	83.7	84.2	83.1
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	6.19	7.11
	Start Current	A	12.28	17.09	26.96	46.42	50.48
	Return Fan	kW	1.1	1.1	1.5	3	3
	Run Current	A	2.5	2.5	3.19	6.19	6.19
	Start Current	A	17.5	17.5	22.6	46.42	46.53
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ100A	ERQ100A	ERQ200A	ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV63	EKEXV100	EKEXV200	EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with LPHW heating coil		Type I
			VAPLI4000AW	VAPLI7000AW	VAPLI9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2630	2840	2960
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	826	997
Shipped in		Pcs	3	3	3
Sound Power Level	Supply Fan	dB	83.6	91.1	86.4
	Return Fan	dB	83.2	91.2	86.2
Capacity	Heating	kW	34.24	60	76.97
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with Electric heating coil Type J		
			VAPLJ4000AW	VAPLJ7000AW	VAPLJ9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2630	2840	2960
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	872	997
Shipped in		Pcs	2		
Sound Power Level	Supply Fan	dB	83.4	82.1	86.3
	Return Fan	dB	83.2	82	86.2
Capacity	Heating	kW	36	60	82.5
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) LPHW heating & R410a DX Cooling coil Type K		
			VAPLK4000AW	VAPLK7000AW	VAPLK9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3330	3540	3610
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	948	1065
Shipped in		Pcs	2		3
Sound Power Level	Supply Fan	dB	87.3	86.9	91.2
	Return Fan	dB	83.2	82	86.2
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	34.24	60	76.97
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERQ100A	ERQ100A	ERQ125A
Expansion Valve Kit			EKEXV63	EKEXV80	EKEXV100
Control box option			EKEQFCB	EKEQFCB	EKEQFCB

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Electric heating & R410a DX Cooling coil Type L		
			VAPLL4000AW	VAPLL7000AW	VAPLL9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3610	3680	3730
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	971	1065
Shipped in		Pcs	2		3
Sound Power Level	Supply Fan	dB	87.3	86.9	91.1
	Return Fan	dB	83.2	82	86.2
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	36	60	82.5
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERQ100A	ERQ100A	ERQ125A
Expansion Valve Kit			EKEXV63	EKEXV80	EKEXV100
Control box option			EKEQFCB	EKEQFCB	EKEQFCB

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Specification tables Types A, B, C

Externally Mounted Air Handling Unit			Complete with LPHW heating coil Type A				
			VAWLA1750AW	VAWLA3000AW	VAWLA4000AW	VAWLA7000AW	VAWLA9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	1600	1670	1750	1900	1700
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	176	176	222	289	315
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.9	83.4	81.3	81.3	85
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.5	2.2	3
	Run Current	A	2.06	2.5	3.19	4.59	6.19
	Start Current	A	11.1	17.5	22.6	35.8	46.42

Externally Mounted Air Handling Unit			Complete with Electric heating coil Type B				
			VAWLB1750AW	VAWLB3000AW	VAWLB4000AW	VAWLB7000AW	VAWLB9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2070	2130	2090	2380	2310
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	137	182	203	289	330
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	80.2	83.2	81.1	81.1	84.9
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	2.06	2.5	2.5	4.59	6.19
	Start Current	A	11.1	17.5	17.5	35.8	46.42

Externally Mounted Air Handling Unit			Complete with LPHW heating coil & R410a DX Cooling coil Type C				
			VAWLC1750AW	VAWLC3000AW	VAWLC4000AW	VAWLC7000AW	VAWLC9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2350	2400	2400	2550	2700
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Delivered Dry	kg	213	252	290	385	447
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.3	81.8	82.6	86	86.1
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.19
	Start Current	A	8.84	17.09	24.1	35.52	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ125A	ERQ200A	2 x ERQ140A	2 x ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV200	2 x EKEXV140	2 x EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	2 x EKEQFCB	2 x EKEQFCB

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Specification tables Types D, E, F

Externally Mounted Air Handling Unit			Complete with Electric heating coil & R410a DX Cooling coil Type D				
			VAWLD1750AW	VAWLD3000AW	VAWLD4000AW	VAWLD7000AW	VAWLD9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2560	2630	2680	2850	2980
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Delivered Dry	kg	219	259	298	385	447
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.2	81.7	82.5	86	86
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.59	6.19
	Start Current	A	8.84	17.09	24.1	35.8	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ125A	ERQ200A	2 x ERQ140A	2 x ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV200	2 x EKEXV140	2 x EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Externally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) with LPHW heating coil Type E				
			VAWLE1750AW	VAWLE3000AW	VAWLE4000AW	VAWLE7000AW	VAWLE9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2550	2900	2750	3480	3130
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	380	555	655	830	940
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.7	85.5	83.7	83.2	86.7
	Return Fan	dB	82.4	85.4	83.6	83	86.7
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	2.2	3	4
	Run Current	A	2.31	3.19	4.59	6.19	7.81
	Start Current	A	17.09	22.33	35.6	46.42	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.6	46.42	56.23

Externally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) with Electric heating coil Type F				
			VAWLF1750AW	VAWLF3000AW	VAWLF4000AW	VAWLF7000AW	VAWLF9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2600	2900	2850	3400	3180
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	382	570	645	850	960
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.5	85.3	83.5	82.9	86.6
	Return Fan	dB	82.4	85.4	90.1	83	86.7
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23

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Specification tables Types G, H, I

Externally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchange LPHW heating & R410a DX Cooling				Type G
			VAWLG1750AW	VAWLG3000AW	VAWLG4000AW	VAWLG7000AW	VAWLG9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3350	3750	3350	4350	4350
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Delivered Dry	kg	522	630	683	1005	1105
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	84.2	83.8	87.5	87.3	87.3
	Return Fan	dB	82.5	85.3	83.8	82.9	86.7
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	5.6	7.81
	Start Current	A	12.28	17.09	35.52	40.88	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.5	3.19	3.19	6.19	7.81
	Start Current	A	17.5	22.65	22.65	46.53	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ100A	ERQ100A	ERQ200A	ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV63	EKEXV100	EKEXV200	EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Externally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger Electric heating & R410a DX Cooling				Type H
			VAWLH1750AW	VAWLH3000AW	VAWLH4000AW	VAWLH7000AW	VAWLH9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3600	3950	3600	4450	4500
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Delivered Dry	kg	525	640	695	1030	1220
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	84.2	85	87.4	87.3	85.6
	Return Fan	dB	82.2	82.8	83.8	84.2	83.3
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.5	2.2	3	4
	Run Current	A	1.79	3.05	4.28	6.19	7.81
	Start Current	A	12.28	24.01	26.96	46.42	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.5	2.5	3.19	6.19	7.81
	Start Current	A	17.5	17.5	22.6	46.42	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERQ100A	ERQ100A	ERQ100A	ERQ200A	ERQ200A
Expansion Valve Kit			EKEXV63	EKEXV63	EKEXV100	EKEXV200	EKEXV200
Control box option			EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB	EKEQFCB

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with LPHW heating coil		Type I
			VAWLI4000AW	VAWLI7000AW	VAWLI9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2650	2860	2980
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	705	930	1060
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	83.8	82.4	86.5
	Return Fan	dB	83.3	82.1	86.3
Capacity	Heating	kW	34.24	60	76.97
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.59	6.19	7.81
	Start Current	A	35.8	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with Electric heating coil Type J		
			VAWLJ4000AW	VAWLJ7000AW	VAWLJ9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2650	2860	2980
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	664	940	1070
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	83.6	82.2	86.4
	Return Fan	dB	83.3	82.1	86.3
Capacity	Heating	kW	36	60	82.5
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) LPHW heating & R410a DX Cooling coil Type K		
			VAWLK4000AW	VAWLK7000AW	VAWLK9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3350	2560	3630
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	758	992	1130
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	87.5	87	91.2
	Return Fan	dB	83.3	82.1	86.3
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	34.24	60	76.97
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERQ100A	ERQ100A	ERQ125A
Expansion Valve Kit			EKEXV63	EKEXV80	EKEXV100
Control box option			EKEQFCB	EKEQFCB	EKEQFCB

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Electric heating & R410a DX Cooling coil Type L		
			VAWLL4000AW	VAWLL7000AW	VAWLL9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3630	3700	3750
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	762	971	1133
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	87.4	86.9	91.2
	Return Fan	dB	83.3	82.1	86.3
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	36	60	82.5
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERQ100A	ERQ100A	ERQ125A
Expansion Valve Kit			EKEXV63	EKEXV80	EKEXV100
Control box option			EKEQFCB	EKEQFCB	EKEQFCB


CO_2
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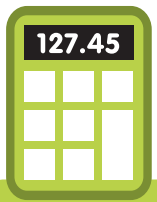
Control systems

In order to realise maximum efficiency, commercial air conditioning systems must be subject to precise, 24 hour control.

Daikin manufactures and markets a complete suite of advanced computerised central control and monitoring systems designed to simplify air conditioning management and reduce energy usage running costs.

Daikin computerised control systems not only provide the highly sophisticated regulation and day to day monitoring necessary for modern, hi tech air conditioning installations – they also provide owners, landlords and tenants of commercial buildings with valuable performance data on consumption as well as a wide range of operating parameters.

Dedicated Daikin central control can be applied to both VRV® and mixed VRV®/Sky Air and Split installations with up to 1,024 indoor units and can also be integrated with building management systems.



For a copy of our latest Price List please call 0845 6419000

Individual control systems

BRC1E51A

BRC2C51

BRC4*/BRC7*

BRC1E51A

Wired remote control

User-friendly remote control with contemporary design.

Operation buttons: ON/OFF, operating mode selection, fan speed control, temperature setting, menu management.

Easy Setup: All main functions directly accessible, improved graphical user interface for advanced menu settings.

Display: Real time clock with auto update to daylight saving time, schedule timer with holiday setting, weekly timer and home leave operation, built-in backup power when a power failure occurs, all settings remain stored up to 48 hours.

BRC2C51

Simplified remote control

Simple, compact and easy to operate unit, suitable for use in hotel bedrooms.

Operation buttons: ON/OFF, operating mode selection, fan speed control, temperature setting.

Display: Cool/heat changeover control, Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation.

BRC4*/BRC7*

Infrared remote control

Operation buttons: ON/OFF, timer mode start/stop, timer mode on/off, programme time, temperature setting, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), operating mode, fan speed control, filter sign reset, inspection / test indication.

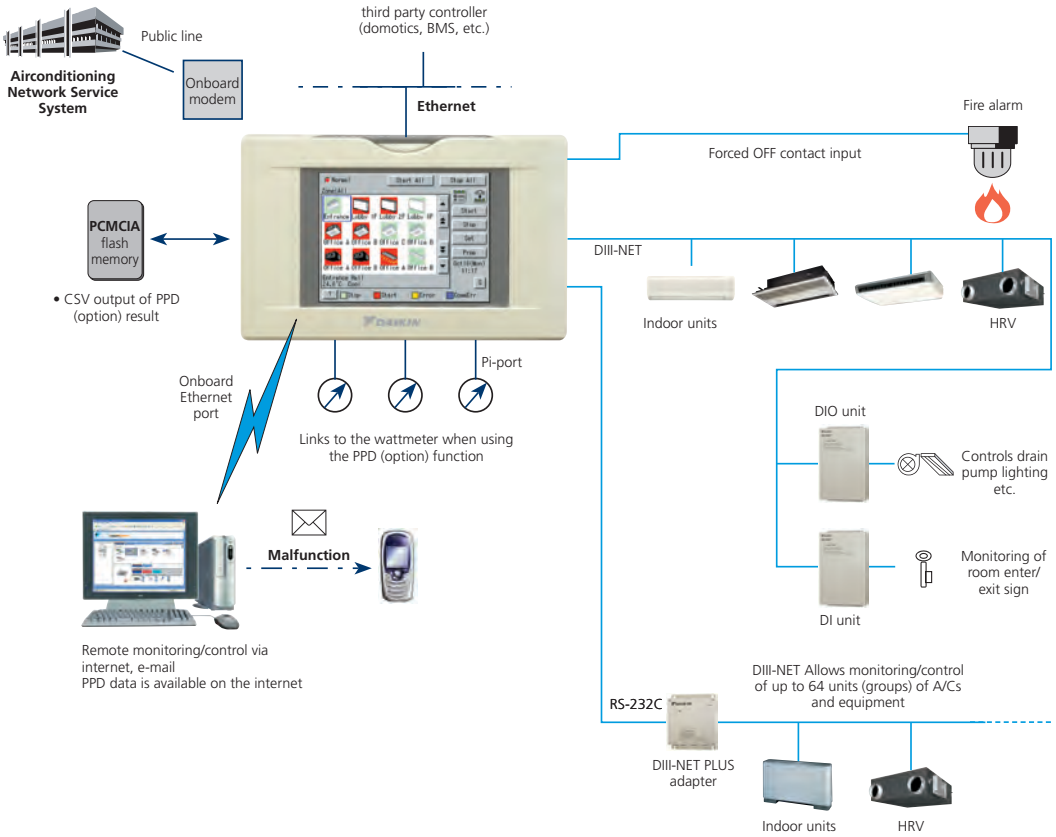
Display: Operating mode, battery change, set temperature, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), programmed time, inspection/test operation, fan speed.

	Wired remote control BRC1E51A	'Simplified' (built-in) wired remote BRC2C51 / BRC3A61	Wireless remote control BRC4* / BRC7*
Multilingual display	✓	-	-
Guide on display	✓	-	-
Backlight	✓	-	-
Contrast adjustment	✓	-	-
Keylock	✓	-	-
Built-in, backup power	✓	-	-
Schedule and setback capabilities	✓	-	-
User restriction options	✓	-	-
Louver position adjustment	✓	-	✓
Reports system malfunctions	✓	✓	✓[1]
Space temperature sensor	✓	-	-
Simultaneous operation with Daikin multi-zone controllers	✓	✓	✓
Simultaneous operation with BACnet® and LonWorks®	✓	✓	✓
Group control capacity	Up to 16 indoor units	Up to 16 indoor units	Up to 16 indoor units
Communications	2-wire / P1-P2	2-wire / P1-P2	Infrared

[1] Audible tones from the indoor unit indicate existing malfunction details

intelligent touch Controller

Allows detailed & easy monitoring and operation of VRV® systems (max. 2 X 64 groups/indoor units).



Languages

- English
- German
- Portuguese
- French
- Italian
- Spanish
- Dutch

System layout

- Up to 2 x 64 indoor units can be controlled
- Onboard Ethernet port (web browser + e-mail)
- Digital i/o contacts (option)
- Touch panel (full colour LCD via icon display)

Management

- Web application & internet compatibility
- Monitoring & control according to user
- Remote monitoring & control of more than one building
- Remote monitoring & control of more than one building via internet
- Power Proportional Distribution: PPD (option)
- PPD data is available on the internet
- Easy management of electricity consumption
- Enhanced history function

Control

- Individual control (set point, start/stop, fan speed) (max. 2 x 64 groups/indoor units)
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation
- Set back schedule NEW

Monitoring

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Error messages via e-mail & mobile phone (option)
- Indication filter replacement
- Multi PC

Cost performance

- Free cooling function NEW
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface

- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface

Connectable to:

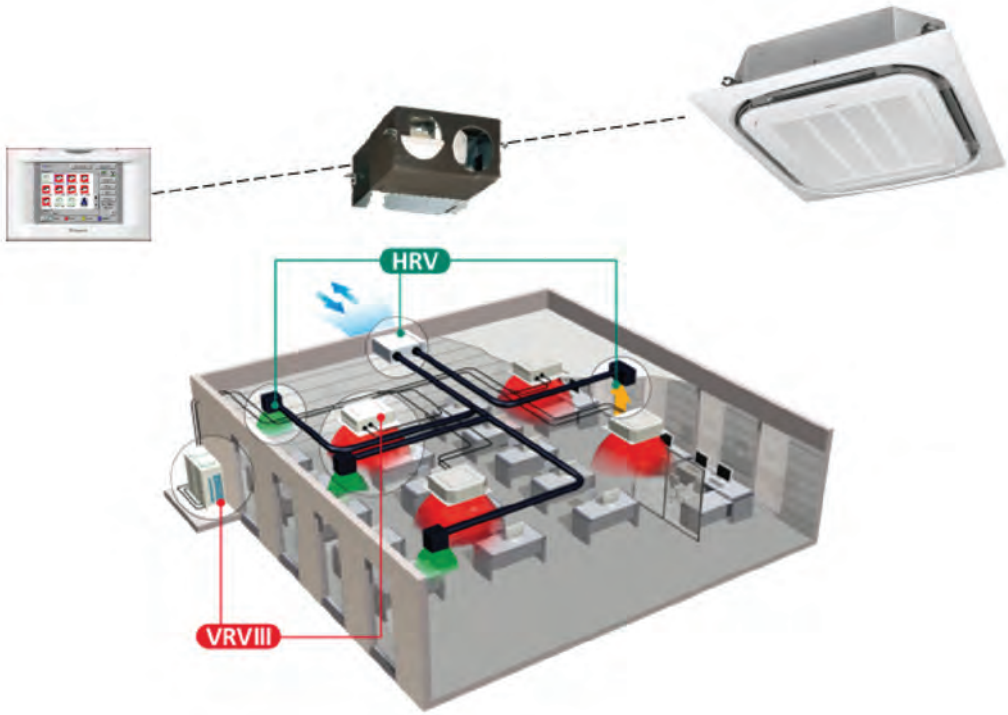
- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)

Free Cooling function

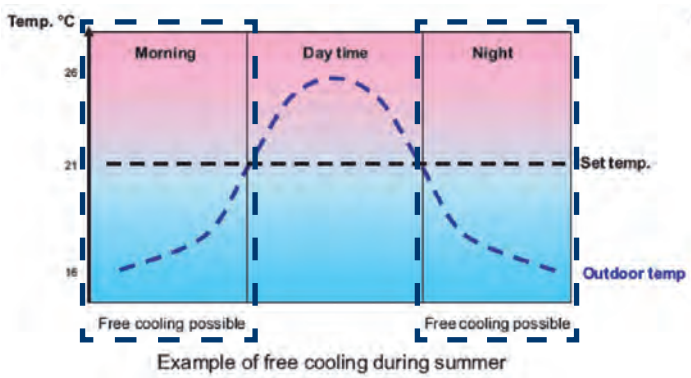
The combined application of the VRV system with VAM Heat Recovery Ventilation units can be greatly enhanced with the use of the Intelligent Touch Controller with it's optional software which can support free cooling interlock with the VAM units providing cooling whilst restricting the VRV Indoor Units whenever the external temperature is within free cooling limits.

Advantages

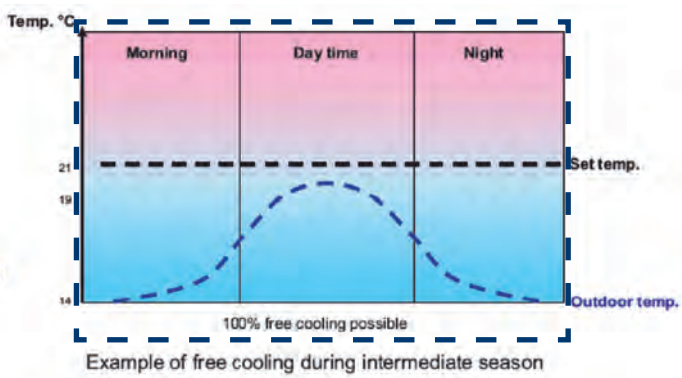
- Reduces the energy consumption and uses energy in a more efficient way, by directly introduction of fresh air into rooms.
- Maintains indoor comfort through the introduction of low temperature outdoor air.



Free cooling function is possible when the outdoor temperature is less than the indoor room temperature



Example of free cooling during summer

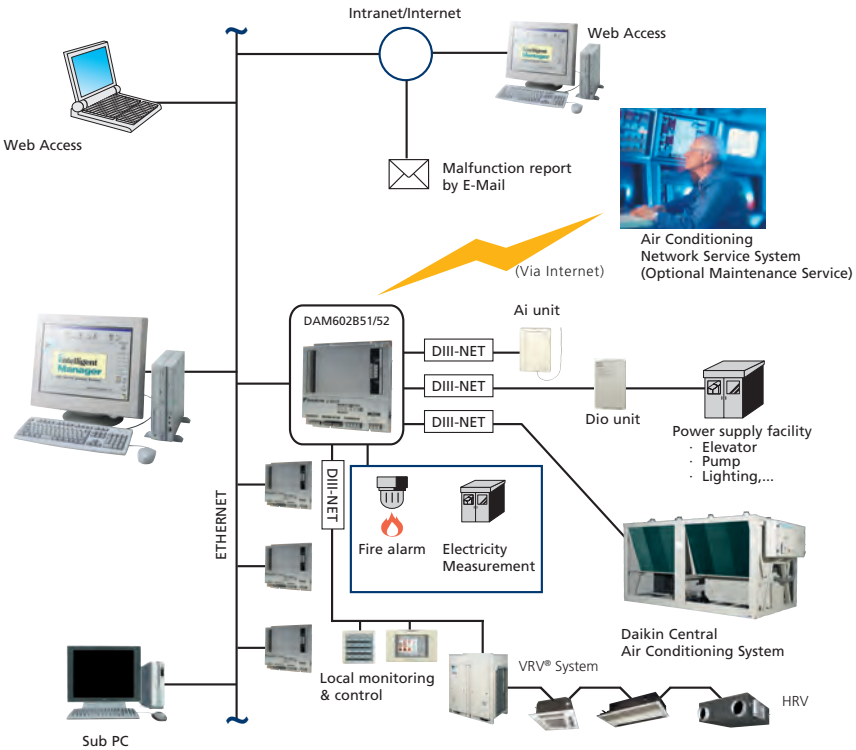


Example of free cooling during intermediate season

To perform this feature the Intelligent Touch Controller is required with the Free Cooling Software Update and also the use of the optional Outdoor Temperature Sensor Kit DAM101A51.

Intelligent Manager

The ideal solution for control and management of maximum 1,024 VRV® indoor units.



Languages

- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout

- Up to 1,024 indoor units can be controlled (by 4 iPUs)
- Ethernet TCPIP / 10 base / T communication
- Integrated digital contacts on the Intelligent Processing Unit (iPU)
  · 20 general input ports
  · 2 digital outputs
- Stand alone operation of the iPU for minimum 48 hours
- Compatible with UPS shutdown software

Management

- Web access (option)
- Power Proportional Distribution (option)
- Operational history management (start/stop, malfunction, operation hours)
- Generation of reports (graphics & tables) (daily, weekly, monthly)
- Peak load shedding
- Advanced tenant management
- Sliding temperature
- Eco mode (option)
- Pre cooling and heating function NEW

Control

- Individual control (setpoint, start/stop, fan speed) (max. 1,024 indoor units)
- Group control (100 groups)
- Schedule control (128 programs)
- Fire emergency stop control (32 programs)
- Interlocking control
- Setpoint limitation
- Automatic cooling/heating change-over
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension

Monitoring

- Visualisation via a Graphical User Interface (GUI) featuring free layout
- Operation mode of indoor units
- Fault indication
- Indication filter replacement
- Setpoint indication
- Operation time monitoring
- Multi PC
- On-line help

Cost performance

- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Connectable to:

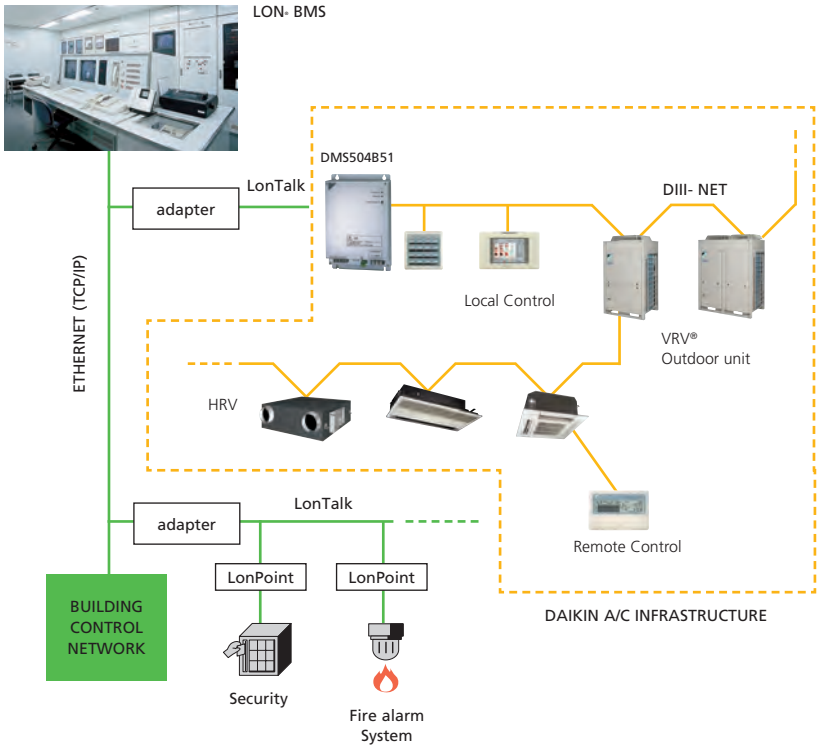
- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)

Network solutions

DMS-IF

LonWorks® Networks Compatible Gateway

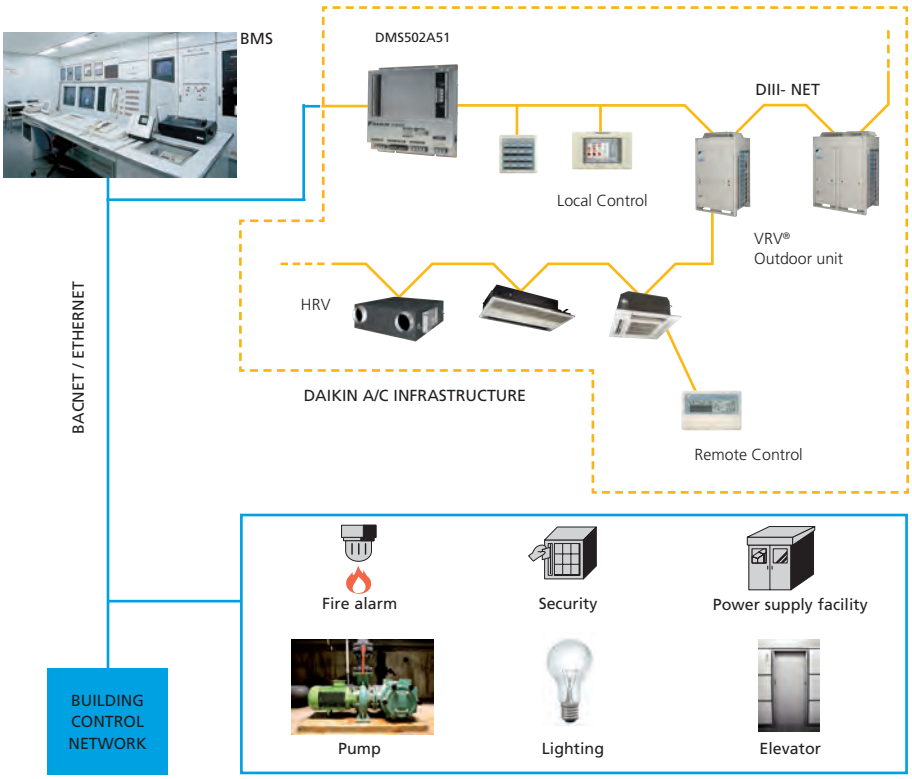
- Interface for Lon connection to LonWorks® networks
- Communication via Lon® protocol (twisted pair wire)
- 64 units connectable per DMS-IF
- Unlimited sitesize
- Quick and easy installation



BACnet Gateway

Integrated control system connecting VRV® system with BMS system

- PPDdata is available on BMS system
- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- 256 units connectable per BACnet gateway
- Unlimited sitesize
- Easy and fast installation



Daikin network service system

Remote monitoring and diagnostics system for professionals

The Daikin Network Service System is designed to optimise the running of your air conditioning equipment, increasing its operational efficiency, minimising possible down time and increasing customer comfort levels.

monitoring

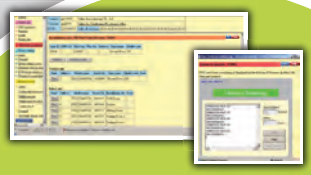
1

24/7/365 data monitoring

The local controller (I-Touch Controller, I- Manager or LC controller) collects operational data and monitors the equipment in 1 minute intervals throughout the day. This device is continually creating a report of operational data and transmits information regarding malfunctions and malfunction predictions at the time of occurrence.

analysing

2



Continuous system analysis by Daikin UK and Daikin Japan

The Network Solution Centre based in Daikin Japan, receives the information sent from the controller. The link between Daikin Japan and UK, ensures continuous monitoring, 24/7/365. In the instant a failure occurs, a report with the last 30 minutes of operational data is sent. If a malfunction is predicted it will be transferred to a Daikin UK specialist engineer for analysis.

informing

3

Informing you about operational issues

The malfunction predictions will be prioritised into three categories, high, medium and low, to give you the opportunity to optimise the schedules of engineers.

After each operational issue has been rectified, Daikin UK will send you a report confirming that the system is once again working to its' full potential.

repairing

4

Repairing your equipment

Daikin UK will provide you with all the necessary information to fix your Daikin equipment as quickly and efficiently as possible.

If required, Daikin engineers will be available to provide technical support via our Technical Helpdesk.

Unique innovation by Daikin

What is the Daikin Network Service System (DNSS)?

The DNSS is a remote monitoring system, which will allow you to continuously optimise the running of your Daikin equipment; control your energy consumption (so reduce your Carbon Footprint), extend the lifespan of your equipment and reduce operational costs.

Prevent product malfunctions

The DNSS will analyse the data from your equipment every minute of the day and will alert us before the equipment actually breaks down. In this way, failures can be prevented and possible down time reduced to an absolute minimum.

Remote diagnostics

The DNSS continuously checks the cleanliness of the system filters and heat exchanger. Furthermore, the DNSS manages a wide range of data (pressures, temperatures, running hours, etc.) in order to let your equipment run as efficiently and trouble free as possible. This will also prevent your equipment from using too much energy.

Extend product lifetime

The DNSS is designed to make sure that your equipment is maintained and running as efficiently as possible. This optimisation will extend the lifespan of your equipment.

Malfunction messages

In the unlikely event of a problem occurring, your regional Daikin office will contact you directly. Our engineers, who are dedicated to your installation, will inform you regarding the nature of the problem and will help you towards the next step of solving the problem.

YOUR INSTALLATION UNDER CONTINUOUS MONITORING

- 24/7/365 remote monitoring
- Predictive maintenance
- Improved reliability
- Improved comfort levels
- Helps increase efficiency
- Helps reduce maintenance costs
- Extends product lifetime

EXTRA VALUE AT LOW COST

- A strategy of preventing breakdowns and limiting unnecessary maintenance visits
- Efficiently organising site interventions by diagnosing the nature and the extent of the problem before going to site
- Innovative technology that helps to optimise your equipment's potential
- Ensures the most comfortable environment in your premises


CO_2

Applied systems

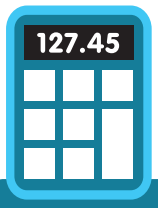
Precise environmental control is vital in many industrial and commercial applications. Daikin offers an outstanding range of powerful air cooled, water cooled and condenserless chiller systems that will maintain ideal conditions in even the largest premises.

Daikin water chillers are of advanced design, compact and easy to install and maintain.

They prove flexible and effective in multiple process cooling applications in for example, fish farms, wine cellars, maritime transport, agricultural, pharmaceutical or industrial processes. When combined with air handling units or Daikin fan coil units of course, they are ideal for air conditioning offices, hotels, restaurants and even domestic premises.

Matched and flexible equipment/refrigerant combinations enable Daikin to offer a complete range of chillers, genuinely optimised for use with R-134a, R-407C and R-410A. All chiller components – evaporator, condenser, dryer, oil etc – have been specially selected for use with either R-407C, R-410A or R-134a refrigerants. The end result is a range of hi tech, high performance units, indicated by published EUROVENT data to be among the most energy efficient of their type on the market.

Advanced technology, unsurpassed product reliability and quality, make Daikin chillers the first choice for professionals.



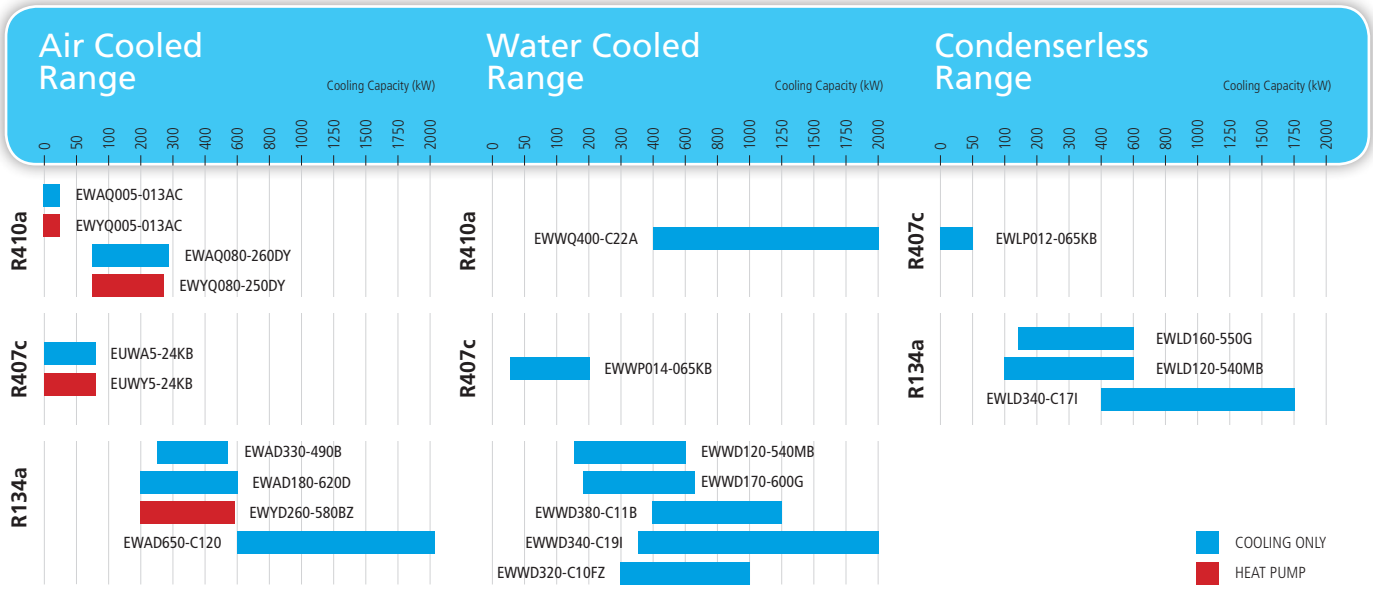
For a copy of our latest Price List please call **0845 6419000**

Daikin chiller range

Daikin's 50 years of experience manufacturing chillers, has given us a comprehensive portfolio of cooling only, heat pumps and heat recovery models.

The range includes 5 kW to 2,200 kW, utilising both scroll and screw compressors designed and manufactured by Daikin.

Now introducing a new range of inverter screw chillers with ESEERs over 5.



Air cooled chiller

In the chilled water market, chillers of the air cooled type are most frequently used. Out of its wide range of chillers in cooling only or heat pump version, with or without integrated hydronic components, **Daikin always offers you a chiller fitting your application needs.**

For a copy of our latest Price List please call **0845 6419000**

EWAQ-ACV3

Air cooled mini chiller inverter

EWAQ005-011ACV3

Strengths

- Optimised for use with R-410A
- Inverter controlled swing compressor (size 005-007)
  - Precise temperature control
- Inverter controlled scroll compressor (size 009-011)
- ESEER up to 4.57
- Cooling operation from 10°C to 46°C (to 43°C for size 005-007)
- PE treated condenser coil
- Built-in hydraulic module:
  - No buffer tank required
  - 2-speed or 3-speed pump
- Sound power down to 62dBA
- Main switch accessible without removing panels
- Refrigerant charge less than 3 kg
- Easy 'plug and play' installation

Options (factory mounted)

- Evaporator heater tape

Option kit

- Digital Input/Output PCP (size 009-011 only)

Control

- Leaving water control

Available inputs

- Voltage free contact:
  - ON/OFF

  Schedule timer:
  - ON/OFF
  - Silent operation

COOLING ONLY					INVERTER					
Capacity class					**005**	**006**	**007**	**009**	**010**	**011**
Cooling capacity	Nom.			kW	5.2	6.0	7.1	8.5	9.5	11.0
Power input	Cooling	Nom.		kW	1.89	2.35	2.95	2.74	3.19	3.82
EER					2.75	2.55	2.41	3.11	2.98	2.88
ESEER					3.75	3.83	3.87	4.57	4.52	4.46
Dimensions	Unit	HeightxWidthxDepth		mm	805x1,190x360			1,435x1,418x382		
Weight	Unit			kg	100			180		
Water heat exchanger	Type				Brazed plate					
	Water volume			l	-			1.01		
	Nominal water flow	Cooling		l/min	14.9	17.2	20.4	24.4	27.2	31.5
Air heat exchanger	Type				Tube type			Hi-XSS		
Pump	Nominal ESP unit	Cooling		kPa	49.4	45.1	38.3	58.0	54.6	49.1
Hydraulic components	Expansion vessel	Volume		l	6			10		
Fan	Air flow rate	Cooling	Nom.	m³/min	-			96	100	97
Fan motor	Speed	Cooling	Nom.	rpm	-			780		
		Steps			-			8		
Sound power level	Cooling	Nom.		dBA	62		63	64		
Sound pressure level	Cooling	Nom.		dBA	48		50	51		
	Night quiet mode	Cooling		dBA	-			45		
Compressor	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~20			5~22		
	Air side	Cooling	Min.~Max.	°CDB	10~43			10~46		
Refrigerant	Type				R-410A					
	Charge			kg	1.7			2.95		
	Control				Electronic expansion valve					
	Circuits	Quantity			1					
Water circuit	Piping connections diameter			inch	-			G 5/4" (female)		
	Piping			inch	-			5/4"		
Piping connections	Water heat exchanger inlet / outlet				1" MBSP			-		
	Water heat exchanger drain				Hose nipple 1/2" FBSP			-		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230					

EWAQ-ACW1

Air cooled mini chiller inverter

EWAQ009-013ACW1

Strengths

- Optimised for use with R-410A
- Precise temperature control
- Inverter controlled scroll compressor
- ESEER up to 4.68
- Cooling operation from 10°C to 46°C
- PE treated condenser coil
- Built-in hydraulic module:
  - No buffer tank required
  - 2-speed or 3-speed pump
- Sound power down to 62dBA
- Main switch accessible without removing panels
- Refrigerant charge less than 3kg
- Easy 'plug and play' installation

Options (factory mounted)

- Evaporator heater tape

Option kit

- Digital Input/Output PCP

Control

- Leaving water control

Available inputs

- Voltage free contact:
  - ON/OFF

  Schedule timer:
  - ON/OFF
  - Silent operation

COOLING ONLY					INVERTER		
Indoor units					**009**	**011**	**013**
Cooling capacity	Nom.			kW	9.0	11.0	13.2
Power input	Cooling	Nom.		kW	2.96	3.82	5.10
EER					3.04	2.88	2.59
ESEER					4.68	4.63	4.52
Dimensions	Unit	HeightxWidthxDepth		mm	1,435x1,418x382		
Weight	Unit			kg	180		
Water heat exchanger	Type				Brazed plate		
	Water volume			l	1.01		
	Nominal water flow	Cooling		l/min	25.8	31.5	37.8
Air heat exchanger	Type				Hi-XSS		
Pump	Nominal ESP unit	Cooling		kPa	56.4	49.1	40.9
Hydraulic components	Expansion vessel	Volume		l	10		
Fan motor	Speed	Cooling	Nom.	rpm	780		
		Steps			8		
Sound power level	Cooling	Nom.		dBA	64		66
Sound pressure level	Cooling	Nom.		dBA	51		52
	Night quiet mode	Cooling		dBA	45		46
Compressor	Type				Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~22		
	Air side	Cooling	Min.~Max.	°CDB	10~46		
Refrigerant	Type				R-410A		
	Charge			kg	2.95		
	Control				Electronic expansion valve		
	Circuits	Quantity			1		
Water circuit	Piping connections diameter			inch	G 5/4" (female)		
	Piping			inch	5/4"		
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400		

EWYQ005-011ACV3

EWYQ-ACV3

Air cooled mini chiller inverter

Strengths

- Optimised for use with R-410A
- Inverter controlled swing compressor (size 005-007)
  - Precise temperature control
- Inverter controlled scroll compressor (size 009-011)
- ESEER up to 4.57
- COP up to 3.44
- Cooling operation from 10°C to 46°C (to 43 °C for size 005-007)
- Heating operation from -15°C to 35°C (to 25 °C for size 005-007)
- PE treated condenser coil
- Built-in hydraulic module
  - No buffer tank required
  - 2-speed or 3-speed pump
- Sound power down to 62dBA
- Main switch accessible without removing panels
- Refrigerant charge less than 3kg
- Easy 'plug and play' installation

Options (factory mounted)

- Evaporator heater tape

Option kit

- Digital Input/Output PCP (size 009-011 only)

Control

- Leaving water control
- Setpoint in heating & cooling

Available inputs

- Voltage free contact:
  - ON/OFF
  - Cooling/Heating changeover
- Schedule timer:
  - ON/OFF
  - Dual setpoint

- Silent operation

HEATING & COOLING					INVERTER					
Capacity class					**005**	**006**	**007**	**009**	**010**	**011**
Cooling capacity	Nom.			kW	5.2	6.0	7.1	8.5	9.5	11.0
Heating capacity	Nom.			kW	5.65	6.35	7.75	10.0	11.5	13.0
Power input	Cooling	Nom.		kW	1.89	2.35	2.95	2.74	3.19	3.82
	Heating	Nom.		kW	1.97	2.24	2.83	2.91	3.38	3.86
EER					2.75	2.55	2.41	4.37	2.98	2.88
COP					2.87	2.83	2.74	3.44	3.40	3.37
ESEER					-			4.57	4.52	4.46
Dimensions	Unit	HeightxWidthxDepth		mm	805x1,190x360			1,435x1,418x382		
Weight	Unit			kg	100			180		
	Operation weight			kg	104			-		
Water heat exchanger	Type				Brazed plate					
	Water volume			l	-			1.01		
	Nominal water flow	Cooling		l/min	14.9	17.2	20.4	24.4	27.2	31.5
		Heating		l/min	17.5	19.5	23.5	28.7	33.0	37.3
Air heat exchanger	Type				Tube type			Hi-XSS		
Pump	Nominal ESP unit	Cooling		kPa	49.4	45.1	38.3	58.0	54.6	49.1
Hydraulic components	Expansion vessel	Volume		l	6			10		
Fan	Air flow rate	Cooling	Nom.	m³/min	-			96	100	97
		Heating	Nom.	m³/min	-			90		
Fan motor	Speed	Cooling	Nom.	rpm	-			780		
		Heating	Nom.	rpm	-			760		
		Steps			-			8		
Sound power level	Cooling	Nom.		dBA	62		63	64		
	Heating	Nom.		dBA	-			64		
Sound pressure level	Cooling	Nom.		dBA	48		50	51		
	Heating	Nom.		dBA	48		49	51		
	Night quiet mode	Cooling		dBA	-			45		
		Heating		dBA	-			42		
Compressor	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~20			5~22		
		Heating	Min.~Max.	°CDB	25~50			25~50		
	Air side	Cooling	Min.~Max.	°CDB	10~43			10~46		
		Heating	Min.~Max.	°CDB	-15~25			-15~35		
Refrigerant	Type				R-410A					
	Charge			kg	1.7			2.95		
	Control				Electronic expansion valve					
	Circuits	Quantity			1					
Water circuit	Piping connections diameter			inch	-			G 5/4" (female)		
	Piping			inch	-			5/4"		
Piping connections	Water heat exchanger inlet / outlet				1" MBSP			-		
	Water heat exchanger drain				Hose nipple 1/2" FBSP			-		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230					

EWYQ-ACW1

Air cooled mini chiller inverter

EWYQ009ACW1

Strengths

- Optimised for use with R-410A
- Precise temperature control
- Inverter controlled scroll compressor (size 009-011)
- ESEER up to 4.68
- COP up to 3.41
- Heating operation from -15°C to 35°C (to 25 °C for size 005-007)
- PE treated condenser coil
- Built-in hydraulic module
  - No buffer tank required
  - 2-speed or 3-speed pump
- Sound power down to 62dBA
- Main switch accessible without removing panels
- Refrigerant charge less than 3kg
- Easy 'plug and play' installation

Options (factory mounted)

- Evaporator heater tape

Option kit

- Digital Input/Output PCP (size 009-013 only)

Control

- Leaving water control
- Setpoint in heating & cooling

Available inputs

- Voltage free contact:
  - ON/OFF
  - Cooling/Heating changeover
- Schedule timer:
  - ON/OFF
  - Dual setpoint
  - Silent operation

HEATING & COOLING					INVERTER		
Indoor units					**009**	**011**	**013**
Cooling capacity	Nom.			kW	9.0	11.0	13.2
Heating capacity	Nom.			kW	11.0	12.5	14.0
Power input	Cooling	Nom.		kW	2.96	3.82	5.10
	Heating	Nom.		kW	3.23	3.70	4.19
EER					3.04	2.88	2.59
COP					3.41	3.38	3.34
ESEER					4.68	4.63	4.52
Dimensions	Unit	HeightxWidthxDepth		mm	1,435x1,418x382		
Weight	Unit			kg	180		
Water heat exchanger	Type				Brazed plate		
	Water volume			l	1.01		
	Nominal water flow	Cooling		l/min	25.8	31.5	37.8
		Heating		l/min	31.5	35.8	40.1
Air heat exchanger	Type				Hi-XSS		
Pump	Nominal ESP unit	Cooling		kPa	56.4	49.1	40.9
Hydraulic components	Expansion vessel	Volume		l	10		
Fan motor	Speed	Cooling	Nom.	rpm	780		
		Heating	Nom.	rpm	760		
		Steps			8		
Sound power level	Cooling	Nom.		dBA	64		66
	Heating	Nom.		dBA	64		
Sound pressure level	Cooling	Nom.		dBA	51		52
	Heating	Nom.		dBA	51		
	Night quiet mode	Cooling		dBA	45		46
		Heating		dBA	42		43
Compressor	Type				Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~22		
		Heating	Min.~Max.	°CDB	25~50		
	Air side	Cooling	Min.~Max.	°CDB	10~46		
		Heating	Min.~Max.	°CDB	-15~35		
Refrigerant	Type				R-410A		
	Charge			kg	2.95		
	Control				Electronic expansion valve		
	Circuits	Quantity			1		
Water circuit	Piping connections diameter			inch	G 5/4" (female)		
	Piping			inch	5/4"		
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400		

EUWAC-FBZW1

Air cooled chiller with centrifugal fan

EUWAC8FBZW1

Strengths
- Daikin scroll compressor
- Standard reverse phase protection
- High fan static pressure (up to 150Pa)
- Operation down to -10°C ambient temperature
- Pressure gauges

Options (factory mounted)
- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL)

Accessories (kit)
- Filter
- BMS gateway (MODBUS / J-BUS protocol)
- Remote user interface
- Hydraulic module (see also EHMC)

Control
- Water inlet temperature control

Available inputs / outputs
- Input
  - ON / OFF (per circuit)
  - Pump / flow switch
- Output
  - Compressor operation
  - Summary alarm
  - Pump relay contact

* OPZH: Option LWE high glycol
OPZL: Option LWE low glycol

COOLING ONLY							
Capacity class					**5**	**8**	**10**
Cooling capacity	Nom.			kW	11.6	18.4	23.8
Capacity steps				%	100-0		
Power input	Cooling	Nom.		kW	5.2	7.66	9.67
EER					2.23	2.40	2.46
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x856x630	1,290x1,180x630	1,395x1,330x630
Weight	Unit			kg	164	224	261
	Operation weight			kg	166	228	266
Water heat exchanger - evaporator	Type				Brazed plate, one per circuit		
	Minimum water volume in the system			l	101	153	212
	Water flow rate	Nom.		l/min	33	53	68
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	26	42	48
	Model	Type			AC70-24	AC70-34	AC70-40
		Quantity			1		
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and PE coated waffle louvre fins		
Fan	Air flow rate	Nom.		m³/min	70.2	109.8	126
Sound power level	Cooling	Nom.		dBA	63	66	69
Compressor	Type				Hermetically sealed scroll compressor		
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10 (OPZL) ~ 21		
	Air side	Cooling	Min.~Max.	°CDB	-10 ~ 43		
Refrigerant	Type				R-407C		
	Control				Thermostatic expansion valve		
	Circuits	Quantity			1		
Refrigerant circuit	Charge			kg	2.1	3.9	4.7
Piping connections	Evaporator water inlet/outlet				FBSP 1"		
	Evaporator water drain				Field installation		
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400		

EUWA*-KBZW1

Air cooled chiller

EUWA*16KBZW1

Strengths

- Optimised for use with R-407C
- Integrated hydraulic module (models B and P)
- Built-in buffer tank (model B)
- Daikin scroll compressor
- Standard main isolator switch
- Standard water flow switch
- Standard filter (delivered as a kit with the unit)
- Operation down to -15°C ambient temperature
- Standard reverse phase protection
- Standard condenser protection grille
- Freeze-up protection and prevention
- PE treated condenser coil

Options (factory mounted)

- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL)
- High ESP fans (50Pa) (OPHF)
- Pump size up (OPHP)

Accessories (kit)

- Refrigerant pressure gauges
- Address card and BMS gateway (MODBUS / J-BUS protocol)
- Remote user interface
- 200l buffer tank
- Soft starter (single circuit)

Control

- Water inlet temperature control

Available inputs / outputs

- Input
  - Remote ON / OFF
  - Pump contact
- Output
  - Compressor operation
  - Summary alarm
  - Pump relay contact

COOLING ONLY

Capacity class					N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24
Cooling capacity	Nom.			kW	11.3			19.7			22.5			26.5			34.6			46.6			55.3		
Capacity steps				%	0-100												0-50-100								
Power input	Cooling	Nom.		kW	4.48			7.27			8.64			11.50			14.70			17.90			23.80		
EER					2.53			2.46			2.60			2.30			2.35			2.60			2.32		
Dimensions	Unit	HeightxWidthxDepth		mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734			1,541x2,580x734					
Weight	Unit			kg	150	168	180	215	229	241	245	259	271	248	262	274	430	448	460	490	508	520	496	514	526
	Operation weight			kg	152	171	239	218	232	300	248	262	330	251	265	335	436	457	525	496	518	545	503	524	592
Water heat exchanger	Type				Brazed plate																				
	Water volume			l	1.14			1.615			1.9			2.375			2.964			3.9			4.524		
	Nominal water flow	Cooling		l/min	32			51			64			76			99			134			158		
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	24			38			43			37			22								
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																				
Hydraulic components	Expansion vessel	Volume		l	-	12		-	12		-	12		-	12		-	12		-	12		-	12	
Fan group	Air flow rate	Cooling	Nom.	m³/min	160 (per 2 fans)			170 (per 2 fans)																	
Fan group 2	Air flow rate	Cooling	Nom.	m³/min	-												170 (per 2 fans)								
Sound power level	Cooling	Nom.		dBA	67			76			78						79			81					
Compressor	Type				Hermetically sealed scroll compressor																				
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10 (OPZL) ~ 25																				
	Air side	Cooling	Min.~Max.	°CDB	-15 ~ 43																				
Refrigerant	Type				R-407C																				
	Control				Thermostatic expansion valve																				
	Circuits	Quantity			1												2								
Refrigerant circuit	Charge			kg	3.9			4.6			5.9			6.0			4.6			5.9			6.0		
Refrigerant circuit 2	Charge			kg	-												4.6			5.9			6.0		
Water circuit	Piping connections diameter			inch	G 1"1/4 (male)												2" male								
	Piping			inch	1-1/4"												-								
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400																				

EUWY*-KBZW1

Air cooled chiller

EUWY*16KBZW1

Strengths

- Optimised for use with R-407C
- Integrated hydraulic module (models B and P)
- Built-in buffer tank (model B)
- Daikin scroll compressor
- Standard main isolator switch
- Standard water flow switch
- Standard filter (delivered as a kit with the unit)
- Operation down to -15°C ambient temperature in cooling mode, down to -10°C in heating mode
- Standard reverse phase protection
- Standard condenser protection grille
- Freeze-up protection and prevention
- PE treated condenser coil

Options (factory mounted)

- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL)
- High ESP fans (50Pa) (OPHF)
- Pump size up (OPHP)

Accessories (kit)

- Refrigerant pressure gauges
- Address card and BMS gateway (MODBUS / J-BUS protocol)
- Remote user interface
- 200l buffer tank
- Soft starter (single circuit)

Control

- Water inlet temperature control

Available inputs / outputs

- Input
  - Remote ON / OFF
  - Pump contact
  - Remote cool / heat selection
- Output
  - Compressor operation
  - Summary alarm
  - Pump relay contact

HEATING & COOLING

Capacity class					N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24
Cooling capacity	Nom.			kW	9.1			17.1			21.0			25.0			34.2			40			50.0		
Heating capacity	Nom.			kW	11.9			18.5			24.0			27.0			37.0			46			54.0		
Capacity steps				%	0-100												0-50-100								
Power input	Cooling	Nom.		kW	3.77			7.38			8.49			11.3			14.8			16.2			22.6		
	Heating	Nom.		kW	4.56			7.01			8.98			10.7			14.10			17.3			21.4		
EER					2.41			2.32			2.47			2.21			2.3			2.5			2.2		
COP					2.61			2.64			2.67			2.52			2.62			2.66			2.52		
Dimensions	Unit	HeightxWidthxDepth		mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734			1,541x2,580x734					
Weight	Unit			kg	163	181	193	227	241	253	258	272	284	258	272	284	455	473	485	516	534	546	516	534	546
	Operation weight			kg	165	184	252	230	244	312	261	275	343	261	275	343	461	482	550	522	544	612	522	544	612
Water heat exchanger	Type				Brazed plate																				
	Water volume			l	1.140			1.615			1.900			2.375			2.964			3.900			4.524		
	Nominal water flow	Cooling		l/min	26			49			60			72			98			115			143		
		Heating		l/min	34			53			69			77			106			132			155		
	Nominal water pressure drop	Cooling	Filter	kPa	10			25			24			33			12						19		
		Heating	Filter	kPa	17			29			31			38			14			16			22		
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																				
Hydraulic components	Expansion vessel	Volume		l	-	12		-	12		-	12		-	12		-	12		-	12		-	12	
Fan group	Air flow rate	Cooling	Nom.	m³/min	160 (per 2 fans)			170 (per 2 fans)																	
Fan group 2	Air flow rate	Cooling	Nom.	m³/min	-												170 (per 2 fans)								
Sound power level	Cooling	Nom.		dBA	67			76			78						79			81					
Compressor	Type				Hermetically sealed scroll compressor																				
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10(OPZL) ~ 20																				
		Heating	Min.~Max.	°CDB	35 ~ 50																				
	Air side	Cooling	Min.~Max.	°CDB	-15 ~ 43																				
		Heating	Min.~Max.	°CDB	-10 ~ 21																				
Refrigerant	Type				R-407C																				
	Control				Thermostatic expansion valve																				
	Circuits	Quantity			1												2								
Refrigerant circuit	Charge			kg	4.6			4.7			5.4						5.1			5.4			5.6		
Refrigerant circuit 2	Charge			kg	-												5.1			5.4			5.6		
Water circuit	Piping connections diameter			inch	G 1"1/4 (male)												2" male								
	Piping			inch	1-1/4"												2"								
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400																				

EWAQ130-150DAYN

EWAQ-DAYN

Air cooled chiller, multiple scroll

Strengths

- Wide capacity range: 80 to 254kW with 8 cooling only models
- Optimised for use with R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- Easy 'plug and play' installation
- Unit dimensions allow easy transport
- Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- Safety valves in each circuit
- Electronic circuit breakers
- Electronic expansion valve
- True dual plate brazed plate heat exchanger
- Sight glass
- All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- Separate switchbox for easy access
- Compressors and controls at side of unit
- Increased reliability via 2 independent refrigerant circuits
- Dual circuit heat exchanger (from >100 kW)
- Non hermetic filter/dryer
- Daikin controller (Pcaso) with user friendly and powerful LCD interface

Options (factory mounted)

- Single pump contactor (OPSC)
- Twin pump contactor (OPTC)
- Single pump (OPSP)
- Twin pump (OPTP) (1 pump casing, dual motor)
- High ESP pump (OPHP) (single pump only)
- Buffer tank (OPBT)
- Inverter fans (OPIF) (Not available with option OPLN)
- Glycol 0°C / -10°C (OPZL)
- Dual pressure relief valve (OP03)
- Evaporator heater tape (OP10)
- Option valves (discharge, liquid line and suction stop valve)
- A-meter / V-meter (OP57)
- Low Noise (OPLN) (=OPIF + compressor housing)
- Condenser protection grills (OPCG)

COOLING ONLY

Capacity class					080	100	130	150	180	210	240	260
Cooling capacity	Nom.			kW	80	105	131	152	182	209	236	254
Capacity steps				%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100	0-25-50-75-100	22/28-40/50/56-72/78-100	0-25-50-75-100
Power input	Cooling	Nom.		kW	26.4	36.2	46.6	56.3	64.5	74.6	82.8	94.0
EER					3.03	2.90	2.81	2.70	2.82	2.80	2.85	2.70
ESEER					4.12	4.00	4.34	4.22	4.36	4.32	4.20	4.00
Dimensions	Unit	HeightxWidthxDepth		mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Weight	Unit			kg	1,350	1,400	1,500	1,550	1,800	1,850	3,150	3,250
	Operation weight			kg	1,365	1,415	1,517	1,569	1,825	1,877	3,189	3,292
Water heat exchanger	Type				Brazed plate							
	Nominal water flow	Cooling		l/min	229	301	377	436	522	599	677	728
	Nominal water pressure drop	Cooling	Total	kPa	59	58	52	49	52	53	51	47
Air heat exchanger	Type				Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins							
Fan	Air flow rate	Nom.		m³/min	780		800	860	1,290		1,600	
	Speed			rpm	880		900	970			900	
Sound power level	Cooling	Nom.		dBA	86		88	89	90		91	
Compressor	Type				Scroll compressor							
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10 (OPZL) ~ 25							
	Air side	Cooling	Min.~Max.	°CDB	-15 ~ 43							
Refrigerant	Type				R-410A							
	Charge			kg	33		19	25	29	28	39	
	Control				Electronic expansion valve							
	Circuits	Quantity			1		2					
Piping connections	Water heat exchanger inlet / outlet				3" OD						3"	
	Water heat exchanger drain				1/2"G							
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400							

EWYQ130-150DAYN

EWYQ-DAYN

Air cooled chiller, multiple scroll

Strengths

- Wide capacity range: 77 to 252kW with 8 heat pump models
- Optimised for use with R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- Easy 'plug and play' installation
- Unit dimensions allow easy transport
- Fans protected against abnormal operation (4 - 8 fans depending on unit size)
- Safety valves in each circuit
- Electronic circuit breakers
- Electronic expansion valve
- True dual plate brazed plate heat exchanger
- Sight glass
- All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- Separate switchbox for easy access
- Compressors and controls at side of unit
- Increased reliability via 2 independent refrigerant circuits
- Dual circuit heat exchanger (from >100 kW)
- Non hermetic filter/dryer
- Daikin controller (Pcaso) with user friendly and powerful LCD interface

Options (factory mounted)

- Single pump contactor (OPSC)
- Twin pump contactor (OPTC)
- Single pump (OPSP)
- Twin pump (OPTP) (1 pump casing, dual motor)
- High ESP pump (OPHP) (single pump only)
- Buffer tank (OPBT)
- Inverter fans (OPIF) (Not available with option OPLN)
- Glycol 0°C / -10°C (OPZL)
- Dual pressure relief valve (OP03)
- Evaporator heater tape (OP10)
- Option valves (discharge, liquid line and suction stop valve)
- A-meter / V-meter (OP57)
- Low Noise (OPLN) (=OPIF + compressor housing)
- Condenser protection grills (OPCG)

HEATING & COOLING

Capacity class					080	100	130	150	180	210	230	250
Cooling capacity	Nom.			kW	77	100	136	145	183	211	231	252
Heating capacity	Nom.			kW	87.7	114	149	165	199	225.00	258	281
Capacity steps				%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100	0-25-50-75-100	22/28-44/50/56-72/78-100	0-25-50-75-100
Power input	Cooling	Nom.		kW	26.5	36.2	47.6	55.7	63.8	75.3	82.2	93.5
	Heating	Nom.		kW	30.0	38.1	49.6	58.8	68.0	77.0	84.2	96.6
EER					2.91	2.76	2.86	2.60	2.87	2.80	2.81	2.70
COP					2.92	2.99	3.00	2.81	2.93	2.92	3.06	2.91
ESEER					4.00	3.81	4.31	4.07	4.33	4.23	4.20	4.00
Dimensions	Unit	HeightxWidthxDepth		mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Weight	Unit			kg	1,400	1,450	1,550	1,600	1,850	1,900	3,200	3,300
	Operation weight			kg	1,415	1,465	1,567	1,619	1,875	1,927	3,239	3,342
Water heat exchanger	Type				Brazed plate, one per unit							
	Nominal water flow	Cooling		l/min	221	287	390	416	525	605	662	722
		Heating		l/min	251	327	427	473	570	645	740	806
	Nominal water pressure drop	Cooling	Total	kPa	36		43	38	41	44	39	38
		Heating	Total	kPa	47	46	51	49	48	50	48	46
Air heat exchanger	Type				Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins							
Fan	Air flow rate	Nom.		m³/min	780		800	860	1,290		1,600	
	Speed			rpm	880		900		970		900	
Sound power level	Cooling	Nom.		dBA	86		88	89	90		91	
Compressor	Type				Scroll compressor							
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10 (OPZL) ~ 25							
	Water side	Heating	Min.~Max.	°CDB	25 ~ 50							
	Air side	Cooling	Min.~Max.	°CDB	-15 ~ 43							
	Air side	Heating	Min.~Max.	°CDB	-10 ~ 21							
Refrigerant	Type				R-410A							
	Control				Electronic expansion valve							
	Circuits	Quantity			1		2					
Refrigerant circuit	Charge			kg	33	37	22		32		39	
Refrigerant circuit 2	Charge			kg	-		22		32		39	
Piping connections	Water heat exchanger inlet / outlet				3" OD						3"	
	Water heat exchanger drain				1/2"G							
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400							

EWAD-E-SS

Air cooled chiller, standard efficiency, standard sound

EWAD140,160E-SS

Strengths

- Wide capacity range (101kW - 413kW)
- Single refrigerant circuit with single screw compressor
- Compact design with brazed plate heat exchanger

Standard available

- Wye delta starter (y - d)
- Double setpoint
- Fans circuit breakers with thermal overload relays
- Phase monitor
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock

Options (factory mounted)

- Total heat recovery
- Partial heat recovery
- Soft starter
- Brine version
- Compressor thermal overload relays
- Under / Over voltage control
- Energy meter
- Capacitors for power factor correction
- Current limit - display
- 20 mm evaporator insulation
- Speedtrol
- Condenser coil guards
- Cu-cu condenser coil
- Cu-cu sn condenser coil
- Alucoat fins coil
- Evaporator flow switch
- High pressure side manometers
- Container kit
- Rubber anti vibration mount
- Spring anti vibration mount
- Single pump (low or high lift)
- Twin pump (low or high lift) - Not available on sizes 100 and 120
- Double pressure relief valve with diverter
- Compressor circuit breakers
- Fan speed regulation

COOLING ONLY

Capacity class					100	120	140	160	180	210	260	310	360	410
Cooling capacity	Nom.			kW	101	121	138	163	183	214	256	307	360	413
Capacity control	Method				Stepless									
	Minimum capacity			%	25									
Power input	Cooling	Nom.		kW	38.7	46.9	53.4	60.3	68.5	71.7	86.7	111	133	146
EER					2.61	2.57	2.58	2.70	2.67	2.98	2.95	2.77	2.71	2.84
ESEER					2.93		2.75	2.93	2.81	3.02	3.18	3.05	3.23	3.34
Dimensions	Unit	HeightxWidthxDepth		mm	2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070			
Weight	Unit			kg	1,684		1,861		2,086		2,919			
	Operation weight			kg	1,699		1,881		2,116		2,963			
Water heat exchanger	Type				Plate to plate									
	Water volume			l	12	15	17	20	24	30	25	30	36	44
	Nominal water flow	Cooling		l/s	4.83	5.76	6.58	7.77	8.74	10.22	12.22	14.65	17.21	19.74
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	24	25	24		22	21	48			45
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Fan	Air flow rate	Nom.		l/s	10,922	10,575	16,383	15,863	21,844	21,150	32,767		31,725	
	Speed			rpm	920									
Sound power level	Cooling	Nom.		dBA	91.5		92.3		93.0	94.2		94.5		95.2
Sound pressure level	Cooling	Nom.		dBA	73.5		73.7		73.9	75.1	75.0	75.3		76.0
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15									
	Air side	Cooling	Min.~Max.	°CDB	-18~48									
Refrigerant	Type				R-134a									
	Charge			kg	18	21	23	28	30	33	46		56	60
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet				3"									
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400									

EWAD-E-SL

Air cooled chiller, standard efficiency, low sound

EWAD130,160E-SL

Strengths

- Wide capacity range (97.9kW - 398kW)
- Single refrigerant circuit with single screw compressor
- Low operating sound levels
- Compact design with brazed plate heat exchanger

Standard available

- Wye delta starter (y - d)
- Double setpoint
- Fans circuit breakers with thermal overload relays
- Phase monitor
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock

Options (factory mounted)

- Total heat recovery
- Partial heat recovery
- Soft starter
- Brine version
- Compressor thermal overload relays
- Under / Over voltage control
- Energy meter
- Capacitors for power factor correction
- Current limit - display
- 20mm evaporator insulation
- Speedtrol
- Condenser coil guards
- Cu-cu condenser coil
- Cu-cu sn condenser coil
- Alucoat fins coil
- Evaporator flow switch
- High pressure side manometers
- Container kit
- Rubber anti vibration mount
- Spring anti vibration mount
- Single pump (low or high lift)
- Twin pump (low or high lift) - Not available on sizes 100 and 120
- Double pressure relief valve with diverter
- Compressor circuit breakers
- Fan speed regulation

COOLING ONLY

Capacity class					100	120	130	160	180	210	250	300	350	400
Cooling capacity	Nom.			kW	97.9	116	134	157	177	209	249	296	345	398
Capacity control	Method				Stepless									
	Minimum capacity			%	25									
Power input	Cooling	Nom.		kW	38.8	47.9	53.0	60.6	67.8	72.1	84.5	110	134	150
EER					2.52	2.42	2.53	2.60	2.61	2.89	2.95	2.69	2.58	2.65
ESEER					3.01	2.97	2.85	3.00	3.07	3.32	3.55	3.41	3.34	3.45
Dimensions	Unit	HeightxWidthxDepth		mm	2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070			
Weight	Unit			kg	1,784		1,961		2,186		3,029			
	Operation weight			kg	1,799		1,981		2,216		3,073			
Water heat exchanger	Type				Plate to plate									
	Water volume			l	12	15	17	20	24	30	25	30	36	44
	Nominal water flow	Cooling		l/s	4.68	5.54	6.40	7.51	8.47	9.97	11.90	14.15	16.50	19.01
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	23				21	20	46	45	44	42
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Fan	Air flow rate	Nom.		l/s	8,372	8,144	12,558	12,217	16,744	16,289	25,117		24,433	
	Speed			rpm	715									
Sound power level	Cooling	Nom.		dBA	89.0		89.8		90.5	91.7		92.0		92.7
Sound pressure level	Cooling	Nom.		dBA	71.0		71.2		71.4	72.6	72.5	72.8		73.5
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15									
	Air side	Cooling	Min.~Max.	°CDB	-18~48									
Refrigerant	Type				R-134a									
	Charge			kg	18	21	23	28	30	33	46		56	60
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet				3"									
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400									

EWAD-D-SS

Air cooled chiller, standard efficiency, standard sound

EWAD390D-SS

Strengths

- Eurovent EER up to 2.93
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 389-578kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Four noise level versions standard / low / reduced & quiet.

Standard available

- Electronic expansion valve
- Evaporator heater
- Suction stop valve
- Main switch

Options (factory mounted)

- Glycol application
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Low ambient
- Power factor 0.9
- Gauges
- Coil guards

COOLING ONLY

Capacity Class					390	440	470	510	530	560	580
Cooling capacity	Nom.			kW	389	436	466	502	532	556	578
Capacity control	Method				Stepless						
	Minimum capacity			%	12.5						
Power input	Cooling	Nom.		kW	152	164	167	184	194	205	197
EER					2.56	2.66	2.79	2.73	2.74	2.72	2.93
ESEER					3.36	3.54	3.55	3.52		3.56	3.39
Dimensions	Unit	HeightxWidthxDepth		mm	2,223x2,234x3,139	2,223x2,234x4,040					
Weight	Unit			kg	2,960	4,030	4,220	4,230			4,235
	Operation weight			kg	3,090	4,195	4,395				
Water heat exchanger	Type				Single pass shell & tube						
	Water volume			l	130	165	175	165			160
	Nominal water flow	Cooling		l/s	18.60	20.80	22.20	24.00	25.40	26.50	27.60
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	45.6	37.9	66.5	47.1	52.1	57.4	51.2
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Fan	Air flow rate	Nom.		l/s	32,772		43,694	43,455	43,694		42,300
	Speed			rpm	920						
Sound power level	Cooling	Nom.		dBA	95.8	96.7	96	96.7	98.2	98.7	
Sound pressure level	Cooling	Nom.		dBA	76.5	77.0			78.5	79.0	
Compressor	Type				Semi-hermetic single screw compressor						
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15						
	Air side	Cooling	Min.~Max.	°CDB	-18~48						
Refrigerant	Type				R-134a						
	Circuits	Quantity			2						
Refrigerant circuit	Charge			kg	56	60	70	76	82	87	92
Piping connections	Evaporator water inlet/outlet				139.7mm						
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400						

EWAD-D-SL

Air cooled chiller, standard efficiency, low sound

EWAD400-530D-SL

Strengths

- Eurovent EER up to 2.78
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 184-533kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Four noise level versions standard / low / reduced & quiet.

Standard available

- Electronic expansion valve
- Evaporator heater
- Suction stop valve
- Main switch

Options (factory mounted)

- Glycol application
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Low ambient
- Power factor 0.9
- Gauges
- Coil guards

COOLING ONLY

Capacity Class					180	200	230	250	260	280	300	320	370	400	440	480	510	530
Cooling capacity	Nom.			kW	184	198	225	245	261	275	298	321	370	404	440	477	505	533
Capacity control	Method				Stepless													
	Minimum capacity			%	12.5													
Power input	Cooling	Nom.		kW	81.4	79.7	84.5	93.4	101	108	119	123	133	169	170	186	203	195
EER					2.26	2.48	2.66	2.62	2.58	2.54	2.50	2.60	2.78	2.39	2.59	2.57	2.49	2.73
ESEER					3.00	3.12	3.31	3.21	3.26	3.23	3.20	3.24	3.41	3.65	3.67	3.57	3.67	3.77
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x2,239		2,355x2,234x3,139					2,223x2,234x3,139		2,223x2,234x4,040				
Weight	Unit			kg	2,475	2,470	2,860					2,960		4,029	4,224		4,229	4,234
	Operation weight			kg	2,500		2,960					3,090		4,194	4,394			
Water heat exchanger	Type				Plate to plate		Single pass shell & tube											
	Water volume			l	25	30	100					130		165	170		165	160
	Nominal water flow	Cooling		l/s	8.80	9.40	10.70	11.70	12.50	13.10	14.20	15.30	17.70	19.30	21.00	22.80	24.10	25.40
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	28.9	21.8	57.8	49.0	53.9	58.9	59.5	55.2	67.4	47.5	62.1	54.0	48.4	43.4
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler													
Fan	Air flow rate	Nom.		l/s	15,300	14,900	22,900		22,600	22,300		24,428			33,489			32,572
	Speed			rpm	900							715						
Sound power level	Cooling	Nom.		dBA	93.7		94.3					94.7	97.2	94.2			95.7	96.2
Sound pressure level	Cooling	Nom.		dBA	75.0								77.5	74.5			76.0	76.5
Compressor	Type				Semi-hermetic single screw compressor													
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15													
	Air side	Cooling	Min.~Max.	°CDB	-18~48													
Refrigerant	Type				R-134a													
	Circuits	Quantity			2													
Refrigerant circuit	Charge			kg	36	42	48	50	54	58			66	70	76	82	84	86
Piping connections	Evaporator water inlet/outlet				88.9		114.3					139.7						
Power supply	Phase / Frequency / Voltage			Hz/V	3 / 50 / 400													

EWAD-D-SR

Air cooled chiller, standard efficiency, reduced sound

EWAD400-530D-SR

Strengths

- Eurovent EER up to 2.73
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 177-533kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Four noise level versions standard / low / reduced & quiet.

Standard available

- Electronic expansion valve
- Evaporator heater
- Suction stop valve
- Main switch

Options (factory mounted)

- Glycol application
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Low ambient
- Power factor 0.9
- Gauges
- Coil guards

COOLING ONLY

Capacity Class					180	190	220	240	250	270	280	310	370	400	440	480	510	530
Cooling capacity	Nom.			kW	177	190	219	238	252	265	278	312	366	404	440	477	505	533
Capacity control	Method				Stepless													
	Minimum capacity			%	12.5													
Power input	Cooling	Nom.		kW	84.0	82.7	85.2	94.7	103	111	122	125	138	169	170	186	203	195
EER					2.11	2.30	2.57	2.51	2.44	2.38	2.28	2.49	2.65	2.39	2.59	2.57	2.49	2.73
ESEER					2.89	3.00	3.34	3.21	3.23	3.16	3.13	3.25	3.42	3.65	3.67	3.57	3.67	3.77
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x2,239		2,355x2,234x3,139					2,223x2,234x3,139		2,223x2,234x4,040				
Weight	Unit			kg	2,620		2,890					3,110		4,040	4,240			
	Operation weight			kg	2,650		3,100					3,240		4,342	4,542			
Water heat exchanger	Type				Plate to plate		Single pass shell & tube											
	Water volume			l	25	30	100					130		165	170		165	160
	Nominal water flow	Cooling		l/s	8.50	9.10	10.40	11.30	12.00	12.60	13.30	14.90	17.40	19.30	21.00	22.80	24.10	25.40
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	26.9	20.1	55.1	46.6	50.8	55.2		52.7	65.1	47.5	62.1	54.0	48.4	43.4
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler													
Fan	Air flow rate	Nom.		l/s	15,300	14,900	22,900		22,600	22,300		24,428			33,489			32,572
	Speed			rpm	680							715						
Sound power level	Cooling	Nom.		dBA	88.7		89.3					89.7	92.2	90.7			92.2	92.7
Sound pressure level	Cooling	Nom.		dBA	70.0								72.5	71.0			72.5	73.0
Compressor	Type				Semi-hermetic single screw compressor													
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15													
	Air side	Cooling	Min.~Max.	°CDB	-18~48													
Refrigerant	Type				R-134a													
	Charge			kg	36	42	48	50	54	58			66	70	76	82	84	86
	Circuits	Quantity			2													
Piping connections	Evaporator water inlet/outlet				88.9		114.3					139.7						
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400													

EWAD-D-SX

Air cooled chiller, standard efficiency, extra low sound

EWAD230-410D-SX

Strengths

- Eurovent EER up to 2.71
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 203-492kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Four noise level versions standard / low / reduced & quiet.

Standard available

- Electronic expansion valve
- Evaporator heater
- Suction stop valve
- Main switch

Options (factory mounted)

- Glycol application
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Low ambient
- Power factor 0.9
- Gauges
- Coil guards

COOLING ONLY

Capacity Class					210	230	250	270	290	300	310	370	410	450	490
Cooling capacity	Nom.			kW	203	231	253	271	286	299	309	370	413	451	492
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
Power input	Cooling	Nom.		kW	79.9	85.2	93.5	104	114	126	136	148	169	173	187
EER					2.54	2.71	2.70	2.59	2.50	2.37	2.27	2.49	2.44	2.60	2.63
ESEER					3.39	3.63	3.52	3.55	3.44	3.39	3.25	3.24	3.49	3.61	3.58
Dimensions	Unit	HeightxWidthxDepth		mm	2,420x2,234x3,139	2,420x2,234x4,040								2,420x2,234x4,940	
Weight	Unit			kg	3,110	3,475		3,425	3,430			3,560	4,302	4,506	4,581
	Operation weight			kg	3,200	3,590						3,735	4,472	4,676	4,746
Water heat exchanger	Type				Single pass shell & tube										
	Water volume			l	90	115		165	160			175	170		165
	Nominal water flow	Cooling		l/s	9.70	11.00	12.10	12.90	13.70	14.30	14.70	17.70	19.70	21.50	23.50
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	44.7	33.8	38	38.3	34.9	37.7	40.5	44.5	43.9	50	44.8
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler										
Fan	Air flow rate	Nom.		l/s	12,900	17,900	17,200					26,495	25,933	28,625	33,116
	Speed			rpm	500										
Sound power level	Cooling	Nom.		dBA	84.3	84.7								85.7	86.2
Sound pressure level	Cooling	Nom.		dBA	65.0									65.5	66.0
Compressor	Type				Semi-hermetic single screw compressor										
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15										
	Air side	Cooling	Min.~Max.	°CDB	-18~48										
Refrigerant	Type				R-134a										
	Circuits	Quantity			2										
Refrigerant circuit	Charge			kg	56		60					65	70	76	82
Piping connections	Evaporator water inlet/outlet				114.3							139.7			
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400										

EWAD-D-XS

Air cooled chiller, high efficiency, standard sound

EWAD250D-XS

Strengths

- High efficiency levels
- Eurovent EER up to 3.2
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 247–622kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Fan silent
- Power factor 0.9
- Gauges
- Coil guards

Standard available

- Evaporator heater
- Suction stop valve
- Electronic expansion valve
- Main switch

COOLING ONLY

Capacity Class					250	280	300	330	350	380	400	470	520	580	620
Cooling capacity	Nom.			kW	247	275	302	327	351	376	401	469	524	575	622
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
Power input	Cooling	Nom.		kW	79.1	87.1	94.1	104	113	120	127	150	166	181	194
EER					3.12	3.16	3.20	3.15	3.12	3.14	3.16	3.12	3.15	3.18	3.20
ESEER					3.56	3.60	3.62	3.85	3.67	3.58	3.59	3.84	4.00	4.01	3.88
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x3,138	2,355x2,234x4,040						2,223x2,234x4,040	2,223x2,234x4,940		
Weight	Unit			kg	2,905	3,285		3,235	3,240			3,510	4,670	4,685	
	Operation weight			kg	3,000	3,400						3,780	4,940		
Water heat exchanger	Type				Single pass shell & tube										
	Water volume			l	95	115		165	160			270	255		
	Nominal water flow	Cooling		l/s	11.80	13.10	14.40	15.60	16.70	17.90	19.10	22.40	25.00	27.40	29.70
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	48.1	44.9	48.8	46.1	50.8	57.6	63.5	47.4	62.9	56.2	37.9
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler										
Fan	Air flow rate	Nom.		l/s	22,300	30,600	29,700			44,000	43,000	43,695	54,616		
	Speed			rpm	900							920			
Sound power level	Cooling	Nom.		dBA	96.8	97.2				98.7			99.2		
Sound pressure level	Cooling	Nom.		dBA	77.5					79.0					
Compressor	Type				Semi-hermetic single screw compressor										
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15										
	Air side	Cooling	Min.~Max.	°CDB	-18~48										
Refrigerant	Type				R-134a										
	Circuits	Quantity			2										
Refrigerant circuit	Charge			kg	58	66	76			73	76	86	100		
Piping connections	Evaporator water inlet/outlet				114.3							168.3			
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400										

EWAD-D-XR

Air cooled chiller, high efficiency, reduced sound

EWAD270-390D-XR

Strengths

- High efficiency levels
- Reduced sound levels
- Eurovent EER up to 3.12
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 243–600kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Fan silent
- Power factor 0.9
- Gauges
- Coil guards

Standard available

- Evaporator heater
- Suction stop valve
- Electronic expansion valve
- Main switch

COOLING ONLY

Capacity Class					240	270	300	320	350	370	390	460	510	560	600
Cooling capacity	Nom.			kW	243	272	296	322	345	370	394	455	512	561	600
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
Power input	Cooling	Nom.		kW	80.6	87.0	95.1	106	115	119	127	152	167	183	198
EER					3.01	3.12	3.11	3.05	2.99	3.12	3.10	2.99	3.07		3.03
ESEER					3.63	3.70	3.69	3.82	3.71	4.01	3.82	3.89	4.11		3.93
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x3,138	2,355x2,234x4,040						2,223x2,234x4,040	2,223x2,234x4,940		
Weight	Unit			kg	3,005	3,385		3,335	3,340			3,610	4,770	4,785	
	Operation weight			kg	3,100	3,500						3,880	5,040		
Water heat exchanger	Type				Single pass shell & tube										
	Water volume			l	95	115		165	160			270		255	
	Nominal water flow	Cooling		l/s	11.60	13.00	14.10	15.40	16.40	17.70	18.80	21.70	24.40	26.80	28.60
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	46.7	44.0	47.5	44.7	49.2	56.2	55.6	44.8	60.4	53.7	36.1
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler										
Fan	Air flow rate	Nom.		l/s	12,500							33,488	41,861	41,864	
	Speed			rpm	680							715			
Sound power level	Cooling	Nom.		dBA	91.8	92.2				93.2			93.7		
Sound pressure level	Cooling	Nom.		dBA	72.5					73.5					
Compressor	Type				Semi-hermetic single screw compressor										
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15										
	Air side	Cooling	Min.~Max.	°CDB	-18~48										
Refrigerant	Type				R-134a										
	Circuits	Quantity			2										
Refrigerant circuit	Charge			kg	60	68	80						104		
Piping connections	Evaporator water inlet/outlet				114.3							168.3			
Power supply	Phase / Frequency / Voltage			Hz/V	3 / 50 / 400										

EWAD-D-HS

Air cooled chiller, high ambient

EWAD340-450D-HS

Strengths

- High ambient mode HS
- Eurovent EER up to 3.07
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 195–587kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Fan silent
- Power factor 0.9
- Gauges
- Coil guards

Standard available

- Evaporator heater
- Suction stop valve
- Electronic expansion valve
- Main switch

COOLING ONLY

Capacity Class					200	210	230	260	270	290	310	340	380	420	450	480	510	550	590
Cooling capacity	Nom.			kW	195	208	234	256	274	289	306	336	381	415	448	478	514	547	587
Capacity control	Method				Stepless														
	Minimum capacity			%	12.5														
Power input	Cooling	Nom.		kW	77.2	75.5	83.0	91.0	97.7	104	112	120	127	141	150	162	175	182	191
EER					2.52	2.76	2.81		2.80	2.78	2.73	2.80	3.00	2.94	2.98	2.95	2.94	3.00	3.07
ESEER					3.11	3.26	3.34	3.21	3.30	3.28	3.27	3.25	3.57	3.61	3.68		3.66	3.71	3.79
Dimensions	Unit	HeightxWidthxDepth		mm	2,223x2,234x2,239		2,223x2,234x3,339					2,223x2,234x4,040				2,223x2,234x4,940			
Weight	Unit			kg	2,475	2,470	2,865		2,870			3,185		3,277	3,942	4,356	4,361		4,366
	Operation weight			kg	2,500		2,960					3,300		3,447	4,112	4,526			
Water heat exchanger	Type				Plate to plate		Single pass shell & tube												
	Water volume			l	25	30	95		90			115		170			165		160
	Nominal water flow	Cooling		l/s	9.30	9.90	11.10	12.20	13.10	13.80	14.60	16.00	18.20	19.80	21.40	22.80	24.50	26.10	28.00
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	31.5	23.7	46.1	52.1	53.7	59.3	64.4	58.3	69.9	45.8	52.5	58.0	50.9	55.7	52.6
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler														
Fan	Air flow rate	Nom.		l/s	23,900	22,800	35,900		35,000	34,100		47,900		43,694	42,300	54,616			
Fan motor	Speed	Cooling	Nom.	rpm	900									920					
Sound power level	Cooling	Nom.		dBA	95.7		96.3					96.7	98.7	96.7	97.7			99.2	99.7
Sound pressure level	Cooling	Nom.		dBA	77.0								79.0	77.0	77.5			79.0	79.5
Compressor	Type				Semi-hermetic single screw compressor														
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~15														
	Air side	Cooling	Min.~Max.	°CDB	-18~48														
Refrigerant	Type				R-134a														
	Circuits	Quantity			2														
Refrigerant circuit	Charge			kg	36	42	44		55	56		58	66	70	90	95	100		
Piping connections	Evaporator water inlet/outlet				88.9		114.3							139.7					
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400														

EWAD-BZSS/SL

Air cooled inverter chiller, standard efficiency, standard/low sound

EWAD330,360BZS(S,L)

Strengths

- ESEER up to 4.70
- All models are PED pressure vessel approved
- Inverter stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 329~515kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Quick start-up
- Standard electronic expansion valve
- Power factor > 0.95

Standard available

- Double setpoint
- Fans thermal relays
- Phase monitor
- Inverter compressor starter
- Evaporator victaulic kit
- Fan silent mode
- Fan speed regulation
- Evaporator electric heater
- Electronic expansion valve
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Hour run meter
- General fault contactor
- Main switch interlock

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Double pressure relief valve with diverter
- Refrigerant high pressure side gauge
- Coil guards
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY					INVERTER						
Capacity class					**330**	**360**	**400**	**420**	**460**	**490**	**520**
Cooling capacity	Nom.			kW	329	358	395	423	459	488	515
Capacity control	Method				Stepless						
	Minimum capacity			%	13.5						
Power input	Cooling	Nom.		kW	120.0	136	147	159	168	181	193
EER					2.74	2.63	2.69	2.66	2.73	2.70	2.67
ESEER					4.59	4.60	4.55	4.59	4.57	4.70	4.60
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x4,381		2,355x2,234x5,281		2,355x2,234x6,181		
Weight (SS)	Unit			kg	4,190		4,590		4,990		
	Operation weight			kg	4,440		4,840		5,240		
Weight (SL)	Unit			kg	4,340		4,740		5,140		
	Operation weight			kg	4,590		4,990		5,390		
Water heat exchanger	Type				Single pass shell & tube						
	Water volume			l	271	264		256		248	
	Nominal water flow	Cooling		l/s	15.72	17.10	18.87	20.21	21.93	23.32	24.61
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	60	61	72	67	78	69	76
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Fan	Air flow rate	Nom.		l/s	32,667		40,833		49,000		
	Speed			rpm	700						
Sound power level (SS)	Cooling	Nom.		dBA	102.8		103.2		103.6		
Sound power level (SL)	Cooling	Nom.		dBA	96.9		97.3		98.2		
Sound pressure level (SS)	Cooling	Nom.		dBA	83.0				83.5		
Sound pressure level (SL)	Cooling	Nom.		dBA	77.0				77.5		
Compressor	Type				Semi-hermetic single screw compressor						
Operation range	Water side	Cooling	Min.~Max.	°CDB	-9.5~15						
	Air side	Cooling	Min.~Max.	°CDB	-10~45						
Refrigerant	Type				R-134a						
	Charge			kg	73		99	105	114	118	121
	Circuits	Quantity			2						
Piping connections	Evaporator water inlet/outlet				168.3mm						
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400						

EWAD-BZXS/XL/XR

Air cooled inverter chiller, high efficiency, standard/low/reduced sound

EWAD330,360BZX(S,L,R)

Strengths

- ESEER up to 5.01
- All models are PED pressure vessel approved
- Inverter stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 329~515kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Quick start-up
- Standard electronic expansion valve
- Power factor > 0.95

Standard available

- Double setpoint
- Fans thermal relays
- Phase monitor
- Inverter compressor starter
- Evaporator victaulic kit
- Fan silent mode
- Fan speed regulation
- Evaporator electric heater
- Electronic expansion valve
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Hour run meter
- General fault contactor
- Main switch interlock

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Double pressure relief valve with diverter
- Refrigerant high pressure side gauge
- Coil guards
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY					INVERTER						
Capacity class					**330**	**360**	**400**	**420**	**460**	**490**	**520**
Cooling capacity	Nom.			kW	329	358	395	423	459	488	515
Capacity control	Method				Stepless						
	Minimum capacity			%	13						
Power input	Cooling	Nom.		kW	118.0	135	145	157	165	178	190
EER					2.79	2.65	2.72	2.69	2.78	2.74	2.71
ESEER					4.79	4.82	4.78	4.84	4.81	5.01	4.84
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x4,381		2,355x2,234x5,281		2,355x2,234x6,181		
Weight (XS)	Unit			kg	4,190		4,590		4,990		
	Operation weight			kg	4,440		4,840		5,240		
Weight (XL)	Unit			kg	4,340		4,740		5,140		
	Operation weight			kg	4,590		4,990		5,390		
Weight (XR)	Unit			kg	4,390		4,790		5,190		
	Operation weight			kg	4,640		5,040		5,440		
Water heat exchanger	Type				Single pass shell & tube						
	Water volume			l	271	264		256		248	
	Nominal water flow	Cooling		l/s	15.72	17.10	18.87	20.21	21.93	23.32	24.61
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	60	61	72	67	78	69	76
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Fan	Air flow rate	Nom.		l/s	32,667		40,833		49,000		
	Speed			rpm	700						
Sound power level (XS)	Cooling	Nom.		dBA	102.8		103.2		103.6		
Sound pressure level (XS)	Cooling	Nom.		dBA	83.0				83.5		
Sound power level (XL)	Cooling	Nom.		dBA	96.9		97.3		98.2		
Sound pressure level (XL)	Cooling	Nom.		dBA	77.0				77.5		
Sound power level (XR)	Cooling	Nom.		dBA	92.9		93.3		94.2		
Sound pressure level (XR)	Cooling	Nom.		dBA	73.0				73.5		
Compressor	Type				Semi-hermetic single screw compressor						
Operation range	Water side	Cooling	Min.~Max.	°CDB	-9.5~15						
	Air side	Cooling	Min.~Max.	°CDB	-10~45						
Refrigerant	Type				R-134a						
	Charge			kg	73		99	105	114	118	121
	Circuits	Quantity			2						
Piping connections	Evaporator water inlet/outlet				168.3						
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400						

EWYD-BZSS

Air cooled heat pump inverter chiller, standard efficiency, standard sound

EWYD260BZSS

Strengths

- Optimised for use with R-134a
- Cooling range: 254 - 583kW
- Heating range: 270 - 615kW
- EER range up to 2.87
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Seasonal quietness
- Low starting current
- No gas boiler required
- Optimised defrost cycles
- Optimum ESEER values
- PID microprocessor control
- Power factor up to 0.95
- 2-3 truly independent refrigerant circuits
- Standard operation range down to -12°C

Standard available

- Double setpoint
- Fans thermal relays
- Phase monitor
- Inverter compressor starter
- Evaporator electric heater
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Hour run meter
- General fault contactor

Options

- Partial heat recovery
- Fan silent mode
- Double pressure relief valve with diverter
- Condenser coil guards
- Spring Anti Vibration Mounts

HEATING & COOLING					INVERTER												
Capacity class					**250**	**270**	**290**	**320**	**340**	**370**	**380**	**410**	**440**	**460**	**510**	**520**	**580**
Cooling capacity	Nom.			kW	254	273	292	324	339	365	382	413	436	457	505	522	583
Heating capacity	Nom.			kW	270	297	324	333	349	379	410	443	463	475	530	558	615
Capacity control	Method				Stepless												
	Minimum capacity			%	13									9			
Power input	Cooling	Nom.		kW	90.3	100	109	116	124	134	142	152	163	161	178	186	215
	Heating	Nom.		kW	90.4	99	107	117	124	132	141	155	165	164	176	184	205
EER					2.81	2.74	2.69	2.79	2.74	2.73	2.68	2.72	2.68	2.83	2.83	2.81	2.71
COP					2.98	2.99	3.03	2.84	2.80	2.87	2.90	2.85	2.81	2.90	3.02	3.04	3.00
ESEER					4.05	4.04	4.01	4.07	4.01	4.02	3.94	4.03	4.01	4.31	4.13		4.05
Dimensions	Unit	HeightxWidthxDepth		mm	2,335x2,254x3,547			2,335x2,254x4,381				2,335x2,254x5,281		2,335x2,254x6,583			
Weight	Unit			kg	3,410	3,455	3,500	3,870		3,940	4,010	4,390		5,015	5,495	5,735	
	Operation weight			kg	3,550	3,595	3,640	4,010		4,068	4,138	4,518		5,255	5,724	5,964	5,953
Water heat exchanger	Type				Single pass shell & tube												
	Water volume			l	138			133		128				240	229		218
	Nominal water flow	Cooling		l/s	12.12	13.03	13.94	15.46	16.21	17.42	18.25	19.72	20.81	21.83	24.11	24.92	27.87
		Heating		l/s	12.89	14.18	15.49	15.89	16.66	18.11	19.57	21.15	22.14	22.68	25.33	26.65	29.39
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	37	42	48	53	58	53	57	46	51	61	50	53	65
		Heating	Heat exchanger	kPa	42	49	58	55	60	57	65	52	57	66	55	60	71
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler												
Fan	Air flow rate	Nom.		l/s	31,728			42,304				52,880		63,456			
	Speed			rpm	920												
Sound power level	Cooling	Nom.		dBA	100.5			101.2				101.8		103.6			
	Heating	Nom.		dBA	100.5			101.2				101.8		103.6			
Sound pressure level	Cooling	Nom.		dBA	82.1			82.3				82.5		83.7			
	Heating	Nom.		dBA	82.1			82.3			82.5			83.7			
Compressor	Type				Semi-hermetic single screw compressor												
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8~15												
	Air side	Cooling	Min.~Max.	°CDB	-10~45												
Refrigerant	Type				R-134a												
	Charge			kg	88	94	100	118		121.0	124	148		177	183	186	
	Circuits	Quantity			2									3			
Piping connections	Evaporator water inlet/outlet				139.7									219.1mm			
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400												

EWYD-BZSL

Air cooled heat pump inverter chiller, standard efficiency, low sound

EWYD260BZSL

Strengths

- Optimised for use with R-134a
- Cooling range: 248 - 567kW
- Heating range: 270 - 615kW
- EER range up to 2.87
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Seasonal quietness
- Low starting current
- No gas boiler required
- Optimised defrost cycles
- Optimum ESEER values
- PID microprocessor control
- Power factor up to 0.95
- 2-3 truly independent refrigerant circuits
- Standard operation range down to -12°C
- Low operating sound levels

Standard available

- Double setpoint
- Fans thermal relays
- Phase monitor
- Inverter compressor starter
- Fans speed control device
- Evaporator electric heater
- Discharge line shut off valve
- Suction line shut off valve
- Low pressure side manometers
- Hour run meter
- General fault contactor

Options

- Partial heat recovery
- Double pressure relief valve with diverter
- Condenser coil guards
- Spring Anti Vibration Mounts

HEATING & COOLING					INVERTER									
Capacity class					**250**	**270**	**290**	**320**	**330**	**360**	**370**	**400**	**430**	**450**	**490**	**510**	**570**
Cooling capacity	Nom.			kW	248	266	291	316	331	355	372	403	425	448	493	510	567
Heating capacity	Nom.			kW	270	297	324	333	349	379	410	443	463	475	530	558	615
Capacity control	Method				Stepless												
	Minimum capacity			%	13									9			
Power input	Cooling	Nom.		kW	88.5	98	109	113	122	132	142	149	161	156	174	183	214
	Heating	Nom.		kW	90.4	99	107	117	124	132	141	155	165	164	176	184	205
EER					2.80	2.70	2.66	2.79	2.72	2.68	2.62	2.71	2.64	2.87	2.83	2.79	2.65
COP					2.98	2.99	3.03	2.84	2.80	2.87	2.90	2.85	2.81	2.90	3.02	3.04	3.00
ESEER					4.18	4.16	4.11	4.29	4.18	4.16	4.13	4.19	4.14	4.31	4.29	4.23	4.10
Dimensions	Unit	HeightxWidthxDepth		mm	2,335x2,254x3,547			2,335x2,254x4,381				2,335x2,254x5,281		2,335x2,254x6,583			
Weight	Unit			kg	3,750	3,795	3,840	4,210		4,280	4,350	4,730		5,525	6,005	6,245	
	Operation weight			kg	3,888	3,933	3,978	4,343		4,408	4,478	4,858		5,765	6,234	6,474	6,463
Water heat exchanger	Type				Single pass shell & tube												
	Water volume			l	138			133		128				240	229		218
	Nominal water flow	Cooling		l/s	11.83	12.70	13.89	15.12	15.83	16.98	17.77	19.28	20.30	21.39	23.56	24.34	27.11
		Heating		l/s	12.89	14.18	15.49	15.89	16.66	18.11	19.57	21.15	22.14	22.68	25.33	26.65	29.39
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	36	40	48	51	55	50	55	44	48	59	48	51	62
		Heating	Heat exchanger	kPa	42	49	58	55	60	57	65	52	57	66	55	60	71
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler												
Fan	Air flow rate	Cooling	Nom.	l/s	24,432			32,576				40,720		48,864			
		Heating	Nom.	l/s	31,728			42,304				52,880		63,456			
Fan motor	Speed	Cooling	Nom.	rpm	715												
		Heating	Nom.	rpm	920												
Sound power level	Cooling	Nom.		dBA	94.0			94.7				95.3		97.0			
	Heating	Nom.		dBA	94.9			96.1				96.7		98.4			
Sound pressure level	Cooling	Nom.		dBA	75.6			75.8				76.0		77.2			
	Heating	Nom.		dBA	76.5			77.2				77.4		78.6			
Compressor	Type				Semi-hermetic single screw compressor												
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8~15												
	Air side	Cooling	Min.~Max.	°CDB	-10~45												
Refrigerant	Type				R-134a												
	Charge			kg	88	94	100	118		121	124	148		177	183	186	
	Circuits	Quantity			2									3			
Piping connections	Evaporator water inlet/outlet				139.7									219.1mm			
Power supply	Phase / Frequency / Voltage			Hz / V	3 ~/ 50 / 400												

EWAD-C-SS/SL

Air cooled chiller, standard efficiency, standard/low sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 647 up to 1,922kW
- EER range up to 2.99
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					650	740	830	910	970	C11	C12	C13	H14	C14	C15	C16	C17	C18	C19	C20
Cooling capacity	Nom.			kW	647	744	832	912	967	1,064	1,152	1,319	1,418	1,419	1,538	1,622	1,714	1,802	1,875	1,922
Capacity control	Method				Stepless															
	Minimum capacity			%	12.5									7						
Power input	Cooling	Nom.		kW	221	262	299	318	351	378	402	441	474	500	551	580	618	665	682	714
EER					2.93	2.84	2.78	2.87	2.76	2.82	2.86	2.99		2.84	2.79	2.8	2.77	2.71	2.75	2.69
ESEER					3.95	3.87	3.89	3.84	3.8	3.88	3.84	4.08	4.07	3.88	3.9	3.87	3.78	3.79	3.81	3.77
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285x6,185					2,540x2,285 x7,085	2,540x2,285 x7,985	2,540x2,285x8,885		2,540x2,285x10,185		2,540x2,285x11,085			2,540x2,285x11,985	
Weight (SS)	Unit			kg	5,630	5,740	5,760	6,280	6,560	7,010	7,280	7,900		10,310	10,320	10,710	10,770	11,240	11,600	
	Operation weight			kg	5,910	5,990	6,010	6,530	6,810	7,250	7,520	8,280		10,730		11,110	11,260	12,110	12,480	
Weight (SL)	Unit			kg	5,920	6,030	6,050	6,570	6,850	7,300	7,570	8,190		10,750	10,770	11,150	11,210	11,680	12,040	
	Operation weight			kg	6,200	6,280	6,300	6,820	7,100	7,540	7,810	8,570		11,170		11,550	11,700	12,560	12,920	
Water heat exchanger	Type				Single pass shell & tube															
	Water volume			l	266			251		243		386		421	408		474	850		
	Nominal water flow	Cooling		l/s	30.9	35.56	39.74	43.6	46.21	50.85	55.04	62.9	67.7	67.78	73.5	77.51	81.89	86.00	89.50	91.70
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	73	59	52	61	68	63	72	54	58	47	59	65	73	36	39	40
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler															
Fan	Air flow rate	Nom.		l/s	53,444			64,133		74,822	85,510	96,199		106,888		117,577			128,266	
	Speed			rpm	920															
Sound power level (SS)	Cooling	Nom.		dBA	99.5	100.0		100.9	101.1	101.5	101.7	101.9		102.9	103.0	103.2	103.3	103.5	103.7	
Sound pressure level (SS)	Cooling	Nom.		dBA	79.0	79.5		80.4		80.6		80.7		81.0	81.1		81.2	81.5	81.9	
Sound power level (SL)	Cooling	Nom.		dBA	96.0	96.1		97.5	97.1	97.6	98.1	98.2		99.1		99.5		99.9	101	
Sound pressure level (SL)	Cooling	Nom.		dBA	75.5	75.6		76.5	76.6	76.8	76.9	77		77.2		77.3	77.4	77.9	78	
Compressor	Type				Semi-hermetic single screw compressor															
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15															
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 46															
Refrigerant	Type				R-134a															
	Charge			kg	128			146	144	162	178	196		260		261		275	305	
	Circuits	Quantity			2									3						
Piping connections	Evaporator water inlet/outlet				168.3mm							219.1mm						273mm		
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400															

EWAD-C-SR

Air cooled chiller, standard efficiency, reduced sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 647 up to 1,714 kW
- EER range up to 2.93
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20 mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					**620**	**720**	**790**	**880**	**920**	**C10**	**C11**	**C12**	**H14**	**C13**	**C14**	**C15**	**C14**	**C17**	**C18**	**C19**
Cooling capacity	Nom.			kW	619	715	789	876	922	1,020	1,112	1,270	1,321	1,367	1,471	1,556	1,623	1,714	1,795	1,833
Capacity control	Method				Stepless															
	Minimum capacity			%	12.5									7						
Power input	Cooling	Nom.		kW	223	272	315	331	369	395	417	457	495	517	576	603	647	702	718	757
EER					2.77	2.62	2.51	2.65	2.5	2.59	2.67	2.78	2.67	2.64	2.55	2.58	2.51	2.44	2.50	2.42
ESEER					4.08	3.96	3.98	3.99	4	3.96		4.12	4.00	3.9	3.87	3.9	3.83	3.79	3.82	3.77
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285x6,185					2,540x2,285 x7,085	2,540x2,285 x7,985	2,540x2,285x8,885		2,540x2,285x10,185		2,540x2,285x11,085			2,540x2,285x11,985	
Weight	Unit			kg	5,920	6,030	6,050	6,750	6,850	7,300	7,570	8,190		10,750	10,770	11,150	11,210	11,680	12,040	
	Operation weight			kg	6,200	6,280	6,300	6,820	7,100	7,540	7,810	8,570		11,170		11,550	11,700	12,560	12,920	
Water heat exchanger	Type				Single pass shell & tube															
	Water volume			l	266		251			243		386		421	408		474	850		
	Nominal water flow	Cooling		l/s	29.57	34.15	37.71	41.83	44.05	48.75	53.11	60.67	63.11	65.32	70.28	74.32	77.57	81.80	85.60	87.50
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	67	55	47	57	62	58	68	50	54	44	54	60	66	33	36	37
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler															
Fan	Air flow rate	Nom.		l/s	41,006			49,207		57,408	65,610	73,811		82,012		90,213		90,216	98,417	
	Speed			rpm	715															
Sound power level	Cooling	Nom.		dBA	91.5	92.0		92.5	93.0	93.5	93.8	94		94.8	94.9	95.1	95.2	95.5	95.9	
Sound pressure level	Cooling	Nom.		dBA	71.0	71.5		72	72.5	72.6	72.7	72.9		73.0			73.1	73.4	73.7	74
Compressor	Type				Semi-hermetic single screw compressor															
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15															
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 46															
Refrigerant	Type				R-134a															
	Charge			kg	128				144	162	178	196		260		261		275	305	
	Circuits	Quantity			2									3						
Piping connections	Evaporator water inlet/outlet				168.3mm							219.1mm						273mm		
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400															

EWAD-C-XS/XL

Air cooled chiller, high efficiency, standard/low sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 760 up to 2,008kW
- EER range up to 3.29
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20 mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					760	830	890	990	C10	C11	C12	C13	H14	H15	C14	C15	C16	C17	C18	C19	C20	C21	C22
Cooling capacity	Nom.			kW	756	830	889	1,001	1,074	1,196	1,280	1,349	1,415	1,525	1,409	1,526	1,596	1,685	1,768	1,858	1,901	1,953	2,008
Capacity control	Method				Stepless																		
	Minimum capacity			%	12.5										7								
Power input	Cooling	Nom.		kW	233	253	278	307	338	364	400	411	444	475	437	474	504	533	561	590	615	642	672
EER					3.25	3.28	3.2	3.26	3.18	3.29	3.2	3.29	3.19	3.21	3.23	3.22	3.17	3.16	3.15		3.09	3.04	2.99
ESEER					4.02	4.11	4.02	4.11	4.05	4.14	4.02	4.28	4.31	4.35	4.23	4.19	4.17	4.16	4.13		4.12	4.03	4.01
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285 x6,185	2,540x2,285 x7,085		2,540x2,285 x7,985		2,540x2,285x9,785					2,540x2,285x11,985			2,540x2,285 x12,885	2,540x2,285 x13,785	2,540x2,285x14,685			
Weight (XS)	Unit			kg	5,990	6,340	6,360	7,190	7,470	8,220	8,240	8,900			10,560	11,310	11,570	11,900	12,260	12,600			
	Operation weight			kg	6,240	6,580	6,600	7,600	7,870	8,610	8,630	9,890			11,040	12,170	12,430	12,760	13,140	13,470			
Weight (XL)	Unit			kg	6,280	6,630	6,650	7,480	7,760	8,510	8,530	9,190			11,000	11,760	12,010	12,350	12,700	13,040			
	Operation weight			kg	6,520	6,870	6,890	7,880	8,160	8,900	8,920	10,180			11,490	12,610	12,870	13,200	13,580	13,910			
Water heat exchanger	Type				Single pass shell & tube																		
	Water volume			l	251	243		403		386		979			491	850			871	850			
	Nominal water flow	Cooling		l/s	36.1	39.67	42.49	47.82	51.32	57.13	61.18	64.45	67.50	72.86	67.34	72.9	76.24	80.48	84.47	88.79	90.77	93.2	95.8
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	80	56	64	61	69	45	51	71	77	84	77	57	62	68	64	37	39	41	43
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler																		
Fan	Air flow rate	Nom.		l/s	64,133	74,822		85,510		106,888					128,266			138,954	149,643	160,332			
	Speed			rpm	920								-		920					-			
Fan motor	Speed	Cooling	Nom.	rpm	-								920		-					920			
Sound power level (XL)	Cooling	Nom.		dBA	100.2	100.5		101.4	101.9	102.4	102.5				102.9	103.1	103.2	103.5	103.7	103.9			
Sound pressure level (XL)	Cooling	Nom.		dBA	79.7			80.2	80.7	80.3	80.4				80.5	80.7	80.9	80.8	81				
Sound power level (XL)	Cooling	Nom.		dBA	96.8	97.4		98	98.2	98.8	98.9				99.6			100	100.2	100.4			
Sound pressure level (XL)	Cooling	Nom.		dBA	76.3	76.5		76.9	77.1	76.7	76.8				77.1	77.2	77.3	77.4	77	77.5			
Compressor	Type				Semi-hermetic single screw compressor																		
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15																		
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 50																		
Refrigerant	Type				R-134a																		
	Charge			kg	146	162		182		214		225	-		291	297		312	328	343	-		
	Circuits	Quantity			2										3								
Refrigerant circuit	Charge			kg	-								248		-						343		
Piping connections	Evaporator water inlet/outlet			mm	168.3			219.1				273			219.1	273							
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400								3 / 50 / 400		3~ / 50 / 400						3 / 50 / 400		

EWAD-C-XR

Air cooled chiller, high efficiency, reduced sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 736 up to 1959kW
- EER range up to 3.2
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					740	810	870	970	C10	C11	C12	C13	H14	H15	C14	C15	C16	C17	C18	C19	C20	C21	C22
Cooling capacity	Nom.			kW	736	811	866	974	1,041	1,168	1,247	1,302	1,367	1,468	1,378	1,486	1,550	1,639	1,722	1,813	1,854	1,902	1,959
Capacity control	Method				Stepless																		
	Minimum capacity			%	12.5										7								
Power input	Cooling	Nom.		kW	235	254	281	309	343	365	404	415	454	491	438	479	513	541	567	595	624	658	692
EER					3.14	3.2	3.08	3.15	3.03	3.2	3.08	3.14	3.01	2.99	3.15	3.1	3.03		3.04		2.97	2.89	2.83
ESEER					4.29	4.36	4.23	4.34	4.24	4.38	4.25	4.33	4.38	4.43	4.34	4.26		4.2	4.21	4.2		4.1	4.08
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285 x6,185	2,540x2,285 x7,085		2,540x2,285 x7,985		2,540x2,285x9,785					2,540x2,285x11,985			2,540x2,285 x12,885	2,540x2,285 x13,785	2,540x2,285x14,685			
Weight	Unit			kg	6,280	6,630	6,650	7,480	7,760	8,510	8,530	9,190			11,000	11,760	12,010	12,350	12,700	13,040			
	Operation weight			kg	6,520	6,870	6,890	7,880	8,160	8,900	8,920	10,180			11,490	12,610	12,870	13,200	13,580	13,910			
Water heat exchanger	Type				Single pass shell & tube																		
	Water volume			l	251	243		403		386		979		491	850				871	850			
	Nominal water flow	Cooling		l/s	35.17	38.74	41.36	46.54	49.76	55.78	59.56	62.21	65.20	70.00	65.85	70.98	74.07	78.32	82.3	86.61	88.5	90.7	93.5
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	76	54	61	58	65	43	49	67	73	79	74	54	59	65	61	35	37	39	41
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler																		
Fan	Air flow rate	Nom.		l/s	49,207	57,408		65,610		82,012			82,014		98,414			106,616	114,817	123,018	123,021		
	Speed			rpm	715																		
Sound power level	Cooling	Nom.		dBA	92	92.3		93.5	93.7	94.3	94.5	94.4	94.6		95.1	95.2	95.3	95.6	95.7	95.9	96.2	96.6	
Sound pressure level	Cooling	Nom.		dBA	71.5			72.3	72.5	72.2	72.3		72.5		72.6	72.8	72.9		73		73.3	73.7	
Compressor	Type				Semi-hermetic single screw compressor																		
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15																		
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 50																		
Refrigerant	Type				R-134a																		
	Charge			kg	146	162		182		214		225	-		291	297		312	328	343	-		
	Circuits	Quantity			2										3								
Refrigerant circuit	Charge			kg	-								248		-						343		
Piping connections	Evaporator water inlet/outlet			mm	168.3			219.1				273			219.1	273							
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400																		

EWAD-C-PS/PL

Air cooled chiller, premium efficiency, standard/low sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 821 up to 1,562kW
- EER range up to 3.64
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					820	890	980	C11	C12	C13	C14	C15	C16
Cooling capacity	Nom.			kW	821	890	975	1,074	1,158	1,279	1,390	1,474	1,562
Capacity control	Method				Stepless								
	Minimum capacity			%	12.5								
Power input	Cooling	Nom.		kW	225	249	274	301	330	363	396	424	453
EER					3.64	3.58	3.56		3.51	3.52	3.51	3.48	3.45
ESEER					4.44	4.5	4.41	4.53	4.39	4.44	4.31	4.33	4.32
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285x8,885			2,540x2,285x9,785		2,540x2,285 x11,085	2,540x2,285x11,985		
Weight (PS)	Unit			kg	7,530		7,660	8,290	8,550	9,390	9,730		
	Operation weight			kg	8,130		8,700	9,330	9,590	10,380	10,720		
Weight (PL)	Unit			kg	7,820		7,950	8,580	8,840	10,380	10,720		
	Operation weight			kg	8,420		8,990	9,620	9,880	10,670	11,010		
Water heat exchanger	Type				Single pass shell & tube								
	Water volume			l	599		1,043	1,027		995	979		
	Nominal water flow	Cooling		l/s	39.22	42.53	46.6	51.3	55.31	61.12	66.41	70.30	74.50
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	57	65	30	61	69	60	73	81	89
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler								
Fan	Air flow rate	Nom.		l/s	96,199			106,888		117,577	128,266	128,266	
	Speed			rpm	920								
Sound power level (PS)	Cooling	Nom.		dBA	101			101.8	102.3	102.6	102.9	103.2	103.5
Sound pressure level (PS)	Cooling	Nom.		dBA	79.5			80	80.5	80.4	80.5	80.8	81.1
Sound power level (PL)	Cooling	Nom.		dBA	98.4			98.8	99.9	99.3	99.6	99.9	100.2
Sound pressure level (PL)	Cooling	Nom.		dBA	76.9			77	77.1		77.2	77.5	77.8
Compressor	Type				Semi-hermetic single screw compressor								
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15								
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 52								
Refrigerant	Type				R-134a								
	Charge			kg	204	202	204	220		252	254		
	Circuits	Quantity			2								
Piping connections	Evaporator water inlet/outlet			mm	219.1		273						
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400								

EWAD-C-PR

Air cooled chiller, premium efficiency, reduced sound

EWAD-C-

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- 11 sizes to cover a range from 809 up to 1,521W
- EER range up to 3.7
- 2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator - one pass refrigerant side to minimize pressure drops
- Partial and heat recovery option available
- New MicroTech III controller

Standard available

- Wye Delta Starter (Y - D)
- Double setpoint
- Fans thermal relays
- Phase monitor
- Evaporator victaulic kit
- 20mm Evaporator insulation
- Evaporator electric heater
- Electronic expansion device
- Discharge line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock
- Emergency stop

Options

- Total heat recovery
- Partial heat recovery
- Single pump
- Twin pump
- High ESP fans
- Fan silent
- Low ambient
- Power factor 0.9
- Dual pressure relief valve
- Suction line shut off valve
- A/V meter
- Condenser coil guards
- Soft starter
- Blank Cu/Al coils
- Cu/Sn coils
- Cu/Cu coils
- Spring Anti Vibration Mounts

COOLING ONLY

Capacity class					810	880	960	C10	C11	C13	C14	C15	C16
Cooling capacity	Nom.			kW	809	875	956	1,053	1,132	1,251	1,359	1,439	1,521
Capacity control	Method				Stepless								
	Minimum capacity			%	12.5								
Power input	Cooling	Nom.		kW	219	244	272	299	330	364	396	425	457
EER					3.7	3.58	3.51	3.52	3.43	3.44	3.43	3.39	3.33
ESEER					4.63	4.59	4.54	4.59	4.5	4.53	4.51	4.50	4.45
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285x8,885			2,540x2,285x9,785		2,540x2,285 x11,085	2,540x2,285x11,985		
Weight	Unit			kg	7,820		7,950	8,580	8,840	10,380	10,720		
	Operation weight			kg	8,420		8,990	9,620	9,880	10,670	11,010		
Water heat exchanger	Type				Single pass shell & tube								
	Water volume			l	599		1,043	1,027		995	979		
	Nominal water flow	Cooling		l/s	38.65	41.81	45.69	50.3	54.11	59.76	64.95	68.7	72.6
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	56	63	29	59	66	58	70	77	84
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler								
Fan	Air flow rate	Nom.		l/s	73,811			82,012		90,213	98,414	98,417	
	Speed			rpm	715								
Sound power level	Cooling	Nom.		dBA	92.7			93.4	93.8	94.1	94.4	94.7	95
Sound pressure level	Cooling	Nom.		dBA	71.2			71.7	72.0			72.3	72.6
Compressor	Type				Semi-hermetic single screw compressor								
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8 ~ 15								
	Air side	Cooling	Min.~Max.	°CDB	-18 ~ 52								
Refrigerant	Type				R-134a								
	Charge			kg	204	202	204	220		252	254		
	Circuits	Quantity			2								
Piping connections	Evaporator water inlet/outlet			mm	219.1		273						
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400								


DAIKIN
CO_2

Condensing unit

The Daikin condensing units can be used in a wide variety of air conditioning, refrigeration and ventilation applications.

For a copy of our latest Price List please call **0845 6419000**

ERAD-E-SS

Air cooled condensing unit, standard efficiency, standard sound

ERAD170,200E-SS

Strengths

- Wide capacity range (121kW - 488kW)
- Single refrigerant circuit with single screw compressor
- Two sound versions available
- Compact design with brazed plate heat exchanger

Standard available

- Wye delta starter (y - d)
- Double setpoint
- Fans circuit breakers with thermal overload relays
- Phase monitor
- Discharge line shut off valve
- Suction line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock

Options (factory mounted)

- Total heat recovery
- Partial heat recovery
- Soft starter
- Brine version
- Compressor thermal relays
- Under / over voltage control
- Energy meter
- Capacitors cosfi 0.9
- Current limit - display
- Speedtrol
- Condenser coil guards
- Cu-cu condenser coil
- Cu-cu sn condenser coil
- Alucoat fins coil
- High pressure side manometers
- Container kit
- Rubber anti vibration mount
- Spring anti vibration mount
- Double pressure relief valve with diverter
- Compressor circuit breakers
- Fan speed regulation

COOLING ONLY

Indoor units					120	140	170	200	220	250	310	370	440	490
Cooling capacity	Nom.			kW	121	144	165	196	219	252	306	370	435	488
Capacity control	Method				Stepless									
	Minimum capacity			%	25									
Power input	Cooling	Nom.		kW	41.8	51.0	57.4	65.2	73.7	76.6	92.8	122.0	147.2	160.8
EER					2.90	2.83	2.87	3.00	2.97	3.28	3.30	3.04	2.96	3.03
Dimensions	Unit	HeightxWidthxDepth		mm	2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070			
Weight	Unit			kg	1,584		1,741		1,936		2,679			
	Operation weight			kg	1,617		1,781		1,981		2,756			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Fan	Air flow rate	Nom.		l/s	10,922	10,575	16,383	15,863	21,844	21,150	32,767		31,725	
Fan motor	Speed	Cooling	Nom.	rpm	920									
Sound power level	Cooling	Nom.		dBA	91.5		92.3		93.0	94.2		94.5		95.2
Sound pressure level	Cooling	Nom.		dBA	73.5		73.7		73.9	75.1	75.0	75.3		76.0
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	SST		Min-Max	°C	-9~12									
	Condenser		Min-Max	°C	-18~48									
Refrigerant	Type				R-134a									
	Charge			kg	17	20	22	27	29	32	45		54	58
	Circuits	Quantity			1									
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400									

ERAD-E-SL

Air cooled condensing unit, standard efficiency, low sound

ERAD160,190E-SL

Strengths

- Wide capacity range (116kW - 462kW)
- Single refrigerant circuit with single screw compressor
- Two sound versions available
- Compact design with brazed plate heat exchanger
- Low operating sound levels

Standard available

- Wye delta starter (y - d)
- Double setpoint
- Fans circuit breakers with thermal overload relays
- Phase monitor
- Discharge line shut off valve
- Suction line shut off valve
- Ambient outside temperature sensor and set-point reset
- Hour run meter
- General fault contactor
- Set-point reset, demand limit and alarm from external device
- Fans circuit breakers
- Main switch interlock

Options (factory mounted)

- Total heat recovery
- Partial heat recovery
- Soft starter
- Brine version
- Compressor thermal relays
- Under / over voltage control
- Energy meter
- Capacitors cosfi 0.9
- Current limit - display
- Speedtrol
- Condenser coil guards
- Cu-cu condenser coil
- Cu-cu sn condenser coil
- Alucoat fins coil
- High pressure side manometers
- Container kit
- Rubber anti vibration mount
- Spring anti vibration mount
- Double pressure relief valve with diverter
- Compressor circuit breakers
- Fan speed regulation

COOLING ONLY

Indoor units					120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.			kW	116.0	137	159	187	209	243	295	352	409	462
Capacity control	Method				Stepless									
	Minimum capacity			%	25									
Power input	Cooling	Nom.		kW	42.3	52.5	57.6	66.3	73.9	78.2	91.5	122	150	167
EER					2.74	2.61	2.75	2.82	2.83	3.11	3.23	2.88	2.73	2.76
Dimensions	Unit	HeightxWidthxDepth		mm	2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070			
Weight	Unit			kg	1,684		1,841		2,036		2,789			
	Operation weight			kg	1,717		1,881		2,081		2,886			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Fan	Air flow rate	Nom.		l/s	8,372	8,144	12,558	12,217	16,744	16,289	25,117		24,433	
Fan motor	Speed	Cooling	Nom.	rpm	715									
Sound power level	Cooling	Nom.		dBA	89.0		89.8		90.5	91.7		92.0		92.7
Sound pressure level	Cooling	Nom.		dBA	71.0		71.2		71.4	72.6	72.5	72.8		73.5
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	SST		Min-Max	°C	-9~12									
	Condenser		Min-Max	°C	-18~48									
Refrigerant	Type				R-134a									
	Charge			kg	17	20	22	27	29	32	45		54	58
	Circuits	Quantity			1									
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400									


CO_2

Water cooled chiller

Daikin offers you compact water cooled chiller units which require only very limited space in a machine room. Used for commercial or industrial applications, these chillers generate cold and hot water, which can be used for chilling, heating, or even both at the same time.

For a copy of our latest Price List please call **0845 6419000**

EWWP-KBW1N

Water cooled chiller

EWWP014-035KBW1N

Strengths

- One of the most compact units in the market (60cm x 60cm x 60cm for models 014 to 035)
- Daikin scroll compressor
- Standard reverse phase protection
- Extension possible up to 195kW

For single module units

- Standard main isolator switch
- Basic hydraulic components for KB-series included with the unit as a kit: flow switch, air purge, filter + shut-off valves for both condenser and evaporator

Options (factory mounted)

- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL)

Accessories (kit)

- Compressor soundproof material (-3dBA)
- Hydraulic module (see page EHMC)
- BMS gateway (MODBUS protocol)
- Remote user interface

Control

- Microprocessor control
- Water inlet temperature control
- Cold water or hot water regulation

Available inputs/outputs

- Input
  - Remote ON / OFF
  - Pump contact
  - Cool/heat selection
- Output
  - Compressor operation
  - Summary alarm
  - Pump relay contact

HEATING ONLY & COOLING ONLY

Capacity class					014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity	Nom.			kW	13.0	21.5	28.0	32.5	43.0	56.0	65.0	86.0	99.0	112	121	130	142	155	168	177	186	195
Heating capacity	Nom.			kW	16.6	27.3	35.4	41.2	54.8	71.4	82.7	110	126	143	154	165	181	198	214	226	237	248
Capacity steps number					1				2			4					6					
Power input	Cooling	Nom.		kW	3.61	5.79	7.48	8.75	11.80	15.50	17.60	23.6	27.3	31.0	33.1	35.2	39.1	42.8	46.5	48.6	50.7	52.8
EER					3.60	3.71	3.74	3.71	3.64	3.61	3.69	3.64	3.63	3.61	3.66	3.69	3.63	3.62	3.61	3.64	3.67	3.69
Dimensions	Unit	HeightxWidthxDepth		mm	600x600x600				600x600x1,200			1,200x600x1,200					1,800x600x1,200					
Weight	Unit			kg	118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1.002
	Operation weight			kg	-																	
Water heat exchanger - evaporator	Type				Brazed plate																	
	Minimum water volume in the system			l	62	103	134	155	205	268	311	205	268		311		205		268			311
	Water flow rate	Min.		l/min	19	31	40	47	62	80	93	123	142	161	173	186	204	222	241	254	267	280
		Nom.		l/min	37	62	80	93	123	161	186	247	284	321	347	373	407	444	482	507	533	559
		Max.		l/min	75	123	161	186	247	321	373	493	568	642	694	745	814	889	963	1,015	1,066	1,118
Water heat exchanger - condenser	Type				Brazed plate																	
	Water flow rate	Min.		l/min	24	39	51	59	79	102	118	157	181	205	221	237	260	283	307	323	339	355
		Nom.		l/min	48	78	102	118	157	205	237	314	362	410	442	474	519	567	614	647	679	711
		Max.		l/min	95	157	203	237	314	410	474	629	724	819	883	948	1,038	1,133	1,229	1,293	1,357	1,422
Sound power level	Cooling	Nom.		dBA	64			71	67		74	71			75	77	73			76	78	79
Compressor	Type				Hermetically sealed scroll compressor																	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10 (OPZL) ~ 25																	
	Condenser	Cooling	Min.~Max.	°CDB	20 ~ 55																	
Refrigerant	Type				R-407C																	
	Control				Thermostatic expansion valve																	
	Circuits	Quantity			1				2			4					6					
Refrigerant circuit	Charge			kg	1.2	2	2.5	3.1	4.6		5.6	9.2			10.2	11.2	13.8			14.8	15.8	16.8
Piping connections	Evaporator water inlet/outlet				FBSP 25mm				FBSP 40mm			2 x 2 x FBSP 38mm					3 x 2 x FBSP 38mm					
	Evaporator water drain				Field installation																	
	Condenser water inlet/outlet				FBSP 25mm				FBSP 40mm			2 x 2 x FBSP 38mm					3 x 2 x FBSP 38mm					
	Condenser water drain				Field installation																	
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400																	

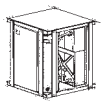
EWWP

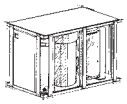
Water cooled chiller

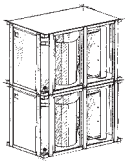
EWWP014-035KBW1N

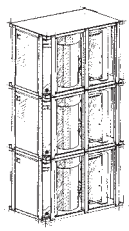
EWWP090-130KBW1N

EWWP145-195KBW1N









SELECTION TABLE		1 MODULE (KB-SERIES)							2 MODULES (KB-SERIES)					3 MODULES (KB-SERIES)					
Capacity index		014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity (kW)		**13.0**	**21.5**	**28.0**	**32.5**	**43.0**	**56.0**	**65.0**	**86.0**	**99.0**	**112**	**121**	**130**	**142**	**155**	**168**	**177**	**186**	**195**
Heating capacity (kW)		**16.6**	**27.3**	**35.4**	**41.2**	**54.8**	**71.4**	**82.7**	**110**	**126**	**143**	**154**	**165**	**181**	**198**	**214**	**226**	**237**	**248**
UNIT	**EWWP014KBW1N**	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP022KBW1N	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
+	**EWWP028KBW1N**	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP035KBW1N	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTROL	**EWWP045KBW1N**	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KBW1N	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
(Factory mounted)	**EWWP065KBW1N**	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
MODULAR UNITS (Controller available as accessory)	**EWWP045KAW1M**	-	-	-	-	1	-	-	2	1	-	-	-	2	1	-	-	-	-
	EWWP055KAW1M	-	-	-	-	-	1	-	-	1	2	1	-	1	2	3	2	1	-
	EWWP065KAW1M	-	-	-	-	-	-	1	-	-	-	1	2	-	-	-	1	2	3
CONTROL (kit)	**ECB2MUAW**	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-
	ECB3MUAW	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1

For example: for a 121 kW HP system, select: EWWP055KBW1N + EWWP065KBW1N

EWWD-MBYN

Water cooled chiller

EWWD120MBYN

Strengths

- Compact and modular design
- DAIKIN stepless single screw compressor
- Standard reverse phase protection
- VICTAULIC joints
- DICN operation as standard within same series
- Standard discharge shut-off valve
- Standard filter, flow switch

Options (factory mounted)

- Main isolator switch
- Low noise (-5 to -7dB(A))
- Compressor suction stop valve
- Ampere & Voltmeter (read-out on switchbox)
- Dual pressure relief valve

Accessories

- Gateway BACnet RS232 (EKBMSBNA)
- Gateway ModBus RS232/RS485 (EKBMSMBA)
- Address card screw chillers (EKAC'200A)
- Remote controller kit screw chillers

Control

- Microprocessor control
- Water inlet or outlet temperature control
- Weekly operating schedule

Available inputs/outputs

- Input
  - ON / OFF
  - Pump contact
  - Dual setpoint through analog signal
  - Floating setpoint
- Output
  - Compressor operation
  - Summary alarm (per circuit)
  - Pump relay contact

HEATING ONLY & COOLING ONLY

Capacity class						120	180	240	280	360	440	500	520	540
Cooling capacity	Nom.			kW		123	183	249.0	273.0	366	432	498	522	546
Heating capacity	Nom.			kW		147	216	290.0	327.0	431	505	580	617	655
Capacity steps				%		stepless 30 - 100				stepless 15 - 100				
Power input	Cooling	Nom.		kW		28.7	45.2	61.6	69.2	90.5	107.0	123.0	131.0	138.0
	Heating	Nom.		kW		34.5	54.0	72.8	83.4	108.0	127.0	146.0	156.0	167.0
EER						4.29	4.05	4.04	3.95	4.04		4.05	3.98	3.96
COP						4.26	4.00	3.98	3.92	3.99	3.98	3.97	3.96	3.92
Dimensions	Unit	HeightxWidth (incl. filter space)xDepth		mm		1,018x2,681(3,051) x930	1,018x2,681(3,254)x930			2,000x2,681(3,254)x930				
Weight	Unit			kg		1,000	1,273	1,527	1,623	2,546	2,800	3,034	3,150	3,346
	Operation weight			kg		1,032	1,318	1,588	1,693	2,636	2,906	3,156	3,281	3,485
Water heat exchanger - evaporator	Water flow rate	Min.		l/min		175	265	350	400	525	625	700	750	800
		Nom.		l/min		353	525	714	783	1,049	1,238	1,428	1,496	1,565
		Max.		l/min		700	1,070	1,400	1,600	2,100	2,500	2,800	3,000	3,200
	Nominal water pressure drop (circuit1/circuit2)	Cooling	Heat exchanger	kPa		21 / -	25 / -	26 / -	22 / -	25 / 25	25 / 26	26 / 26	26 / 22	22 / 22
			Filter	kPa		2 / -	3 / -	7 / -	9 / -	3 / 3	3 / 7	7 / 7	7 / 9	9 / 9
			Total	kPa		23 / -	28 / -	33 / -	31 / -	28 / 28	28 / 33	33 / 33	33 / 31	31 / 31
	Type					Brazed plate, one per circuit								
	Minimum water volume in the system			l		600	890	1,220	1,330	895	1,055	1,215	1,275	1,335
Water heat exchanger - condenser	Type					Shell and tube								
	Water flow rate	Min.		l/min		217	336	450	520	670	790	900	970	1,040
		Nom.		l/min		435	654	890	981	1,309	1,545	1,781	1,871	1,962
		Max.		l/min		800	1,050	1,230	1,370	2,100	2,290	2,470	2,600	2,730
	Nominal water pressure drop (circuit1/circuit2)	Heating		kPa		25 / -	30 / -		38 / -	30 / 30			30 / 38	38 / 38
Sound power level	Cooling	Nom.		dBA		87	93	94	93	96				
Compressor	Type					Semi-hermetic single screw compressor								
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10 ~ 20								
	Condenser	Cooling	Min.~Max.	°CDB		20 ~ 50		20 ~ 60		20 ~ 50		20 ~ 60		
Refrigerant	Type					R-134a								
	Charge			kg		18	35	37	38	70	72	74	75	76
	Control					Thermostatic expansion valve		Electronic expansion valve		Thermostatic expansion valve	Electronic expansion valve. Thermostatic expansion valve	Electronic expansion valve		
	Circuits	Quantity				1				2				
Piping connections	Relief device outlet					1x1"		2 x 1"			3 x 1"	4 x 1"		
	Evaporator water inlet/outlet					76.1mm	88.9mm							
	Evaporator water drain					Field installation								
	Condenser water inlet/outlet					76.1mm	88.9mm							
Power supply	Phase / Frequency / Voltage			Hz / V		3~ / 50 / 400								

EWWD-G-SS

Water cooled chiller, standard efficiency, standard sound

EWWD-G-SS

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 165.5–555.7kW
- EER range up to 4
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return

Standard available

- Suction stop valve
- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Low noise
- Soft starter
- Cu/Ni heat exchanger

Accessories

- Communication cards (EKAC200J –EKACBC – EKACLON)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Daikin serial sequencing panel (EKDSSP)
- Modem (EKMODEM – EKG SMOD)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

HEATING ONLY & COOLING ONLY

Indoor units					**170**	**210**	**260**	**300**	**320**	**380**	**420**	**460**	**500**	**600**
Cooling capacity	Nom.			kW	166	201	253	280	334	372	403	448	494	556
Heating capacity	Nom.			kW	204	247	310	343	410	456	494	552	610	674
Capacity control	Method				Stepless									
	Minimum capacity			%	25				12.5					
Power input	Cooling	Nom.		kW	42.2	50.6	64.9	75.3	84.3	93	101	115	129	150
	Heating	Nom.		kW	52.7	63.5	80.8	89.2	106	117	127	144	161	177
EER					3.93	3.97	3.90	3.72	3.96	4.00	3.97	3.89	3.83	3.70
COP					3.87	3.89	3.84		3.88	3.91	3.89	3.84	3.79	3.81
ESEER					5.00	5.04	4.95	4.72	5.28	5.33	5.29	5.19	5.1	4.93
Dimensions	Unit	HeightxWidthxDepth		mm	1,860x920x3,435				1,880x860x4,305					
Weight	Unit			kg	1,393	1,410	1,503		2,687	2,697	2,702	2,757	2,762	
	Operation weight			kg	1,470	1,480	1,650		2,840	2,850	2,860	2,970		
Water heat exchanger - evaporator	Type				Single pass shell and tube									
	Water volume			l	60	56	123		118	113		173	168	
	Nominal water pressure drop	Cooling	Total	kPa	48	69	43	53	64	63	72	54		68
Water heat exchanger - condenser	Type				Single pass shell and tube									
	Water flow rate	Nom.		l/s	9.95	12.02	15.19	16.98	19.99	22.22	24.08	26.90	29.77	33.73
	Nominal water pressure drop	Cooling		kPa	39	41	63	77	40	41		57	60	75
Sound power level	Cooling	Nom.		dBA	87.7				90.2					
Sound pressure level	Cooling	Nom.		dBA	69.7				71.7					
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15									
	Condenser	Cooling	Min.~Max.	°CDB	20~55									
Refrigerant	Type				R-134a									
	Charge			kg	50		55		110	50		55		110
	Control				Electronic expansion valve									
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet				88.9mm		114.3mm					139.7mm		
	Condenser water inlet/outlet				5"									
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400									

EWWD-G-XS

EWWD-G-XS

Water cooled chiller, high efficiency, standard sound

Strengths

- High efficiency
- EER range up to 4.73
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 186.4–603.9kW
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return

Standard available

- Suction stop valve
- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Total heat recovery (EWWD190-500DJYNN/A)
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Low noise
- Soft starter
- Cu/Ni heat exchanger

Accessories

- Communication cards (EKAC200J - EKACBAC - EKACLON)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Daikin Serial Sequencing panel (EKDSSP)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

HEATING ONLY & COOLING ONLY

Indoor units					190	230	280	320	380	400	460	500	550	650
Cooling capacity	Nom.			kW	186	223	277	307	366	408	444	496	541	604
Heating capacity	Nom.			kW	220	264	326	354	434	482	524	585	638	712
Capacity control	Method				Stepless									
	Minimum capacity			%	25				12.5					
Power input	Cooling	Nom.		kW	39.6	48.1	59.4	71.4	79.2	87.2	95.1	105	115	137
	Heating	Nom.		kW	50.1	60.6	74.5	83.7	99.9	110	120	132	144	162
EER					4.70	4.64	4.66	4.30	4.62	4.68	4.67	4.73	4.72	4.39
COP					4.38	4.35	4.38	4.23	4.34	4.38		4.42	4.43	4.40
ESEER					5.97	5.9	5.92	5.46	6.15	6.24	6.23	6.31	6.30	5.85
Dimensions	Unit	HeightxWidthxDepth		mm	1,860x920x3,435				1,880x860x4,305					
Weight	Unit			kg	1,650	1,665	1,680		2,800	2,945	2,955	2,975	2,990	
	Operation weight			kg	1,800	1,810	1,820		3,020	3,280	3,290	3,315	3,340	
Water heat exchanger - evaporator	Type				Single pass shell and tube									
	Water volume			l	125	120	110		170	285		280		
	Nominal water pressure drop	Cooling	Total	kPa	25	35		44	30	24	28	39	46	57
Water heat exchanger - condenser	Type				Single pass shell and tube									
	Water flow rate	Nom.		l/s	10.78	12.95	16.07	18.08	21.27	23.66	25.76	28.71	31.34	35.40
	Nominal water pressure drop	Cooling		kPa	17	20	25	28	17			16	15	19
Sound power level	Cooling	Nom.		dBA	88.2				90.9					
Sound pressure level	Cooling	Nom.		dBA	69.7				71.7					
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15									
	Condenser	Cooling	Min.~Max.	°CDB	20~55									
Refrigerant	Type				R-134a									
	Charge			kg	55				110	105	100			
	Control				Electronic expansion valve									
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet				114.3mm				139.7mm	168.3mm				
	Condenser water inlet/outlet				5"									
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400									

EWWD-I-SS

Water cooled chiller, standard efficiency, standard sound

EWWD-I-SS

Strengths

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 333-1,510kW
- EER range up to 4.66
- 1-2-3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Power factor 0.9
- Suction stop valve
- A/V meter
- Soft starter
- Cu / Ni heat exchanger
- Dual pressure relief valve

Standard available

- Main switch
- Gauges
- Electronic expansion valve

Accessories

- Communication cards (EKAC200J – EKACBAC – EKACLON)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Daikin serial sequencing panel (EKDSSP)
- Modem (EKMODEM – EKG SMOD)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

HEATING ONLY & COOLING ONLY

Indoor units					340	400	460	550	650	700	800	850	900	950	C10	C12	C13	C14	C15	C16	C17	C18
Cooling capacity	Nom.			kW	333	394	460	538	640	705	782	844	910	986	1,027	1,155	1,204	1,274	1,346	1,401	1,455	1,510
Heating capacity	Nom.			kW	388.4	460	538	630	757	832	919	993	1,072	1,161	1,217	1,363	1,427	1,507	1,227	1,661	1,730	1,790
Capacity control	Method				Stepless																	
	Minimum capacity			%	25				12.5							8.3						
Power input	Cooling	Nom.		kW	71.5	85.8	101	120	141	156	171	186	200	218	237	254	268	282	298	317	335	353
	Heating	Nom.		kW	87.4	104	122	143	174	191	208	225	243	262	282	309	326	344	363	383	401	420
EER					4.66	4.59	4.56	4.47	4.53	4.52	4.57	4.55		4.51	4.33	4.54	4.50	4.51		4.43	4.35	4.28
COP					4.44	4.42	4.41		4.35	4.36	4.42	4.41		4.43	4.32	4.41	4.38		3.38	4.34	4.31	4.26
ESEER					5.06	4.96	4.93	4.86	5.54	5.75	5.56	5.7	5.47	5.61	5.36	5.51	5.56		5.54	5.55	5.45	5.27
Dimensions	Unit	HeightxWidthxDepth		mm	1,821x1,430x3,398				2,113x1,350x4,361							2,323x2,135x4,426						
Weight	Unit			kg	2,150	2,160	2,179	2,224	3,909	3,927	3,945	3,971	3,996	4,080	4,092	6,079	6,097	6,136	6,174	6,192	6,210	6,228
	Operation weight			kg	2,380	2,396	2,410	2,457	4,217	4,228	4,243	4,262	4,288	4,369	4,386	6,628	6,646	6,670	6,699	6,717	6,735	6,761
Water heat exchanger - evaporator	Type				Single pass shell and tube																	
	Water volume			l	193		183	172	271	263	256	248	241	233		472	504	489	472			
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	37	50	54	62	55	44	58	53		66	51	62	56	47	58	62	66	71
Water heat exchanger - condenser	Type				Single pass shell and tube																	
	Water flow rate	Nom.		l/s	19.33	22.92	26.80	31.44	37.31	41.14	45.53	49.21	53.03	57.52	60.39	67.32	70.33	74.34	78.55	82.08	85.52	89.01
	Nominal water pressure drop	Cooling		kPa	26	28	30	26	25		28		26	23	24			25	24			23
Sound power level	Cooling	Nom.		dBA	93.7	96.6	96.7		96.9	97.3	97.8	98.9	99.8			100.4	100.8	101.2	103.0			
Sound pressure level	Cooling	Nom.		dBA	75.2	76.2	78.2		77.8	78.2	78.7	79.8	80.7			80.4	80.8	81.2	83.0			
Compressor	Type				Semi-hermetic single screw compressor																	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																	
	Condenser	Cooling	Min.~Max.	°CDB	20~55																	
Refrigerant	Type				R-134a																	
	Control				Electronic expansion valve																	
	Circuits	Quantity			1								2			3						
Refrigerant circuit	Charge			kg	54	52	51	50	108	106	104			100		156	155	154	153	152	151	150
Piping connections	Evaporator water inlet/outlet				168.3mm											219.1mm						
	Condenser water inlet/outlet				5"																	
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400																	

EWWD-I-XS

Water cooled chiller, high efficiency, standard sound

EWWD-I-XS

Strengths

- High efficiency
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 362-1,134 kW
- EER range: 4.72-5.1
- 1 or 2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops

Standard available

- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Partial heat recovery
- Power factor 0.9
- Suction stop valve
- A/V meter
- Soft starter
- Cu / Ni heat exchanger
- Dual pressure relief valve

Accessories

- Communication cards (EKAC200J – EKACBAC – EKACLON)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Daikin serial sequencing panel (EKDSSP)
- Plant visor (EKPV 2J)
- Modem (EKMODEM – EKG SMOD)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

HEATING ONLY & COOLING ONLY

Indoor units					**360**	**440**	**500**	**600**	**750**	**800**	**850**	**950**	**C10**	**C11**	**C12**
Cooling capacity	Nom.			kW	362	433	506	573	720	795	866	933	976	1,038	1,134
Heating capacity	Nom.			kW	410.9	493	577	660	823	908	990	1,069	1,126	1,203	1,313
Capacity control	Method				Stepless										
	Minimum capacity			%	25				12.5						
Power input	Cooling	Nom.		kW	71	85.4	100	121	141	156	170	185	199	219	240
	Heating	Nom.		kW	85.9	103	121	143	172	189	206	223	240	263	285
EER					5.10	5.07	5.06	4.75	5.09	5.10	5.08	5.05	4.9	4.73	
COP					4.78	4.79	4.77	4.62	4.78	4.80	4.81	4.79	4.69	4.57	4.61
ESEER					5.34	5.27	5.22	5.11	6.13	6.31	6.01	6.14	5.9	6.05	5.67
Dimensions	Unit	HeightxWidthxDepth		mm	1,883x1,430x4,081				2,245x1,350x4,769						
Weight	Unit			kg	2,594	2,667	2,704		4,964	4,997	5,049	5,073	5,097	5,132	
	Operation weight			kg	2,998	3,078	3,116		5,582	5,615	5,671	5,695	5,729	5,741	
Water heat exchanger - evaporator	Type				Single pass shell and tube										
	Water volume			l	326	317	308		539		528			504	
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	64	48	54	68	48		47	50	72	46	52
Water heat exchanger - condenser	Type				Single pass shell and tube										
	Water flow rate	Nom.		l/s	20.69	24.77	28.95	33.16	20.58	20.44	24.75	23.31	28.07	27.10	32.82
	Water flow rate 2	Nom.		l/min	-				20.58	24.98	24.75	28	28.07	33	32.82
	Nominal water pressure drop	Cooling		kPa	48	47	51	66	48		47	50		65	
Sound power level	Cooling	Nom.		dBA	93.7	96.6	96.7		96.9	97.3	97.8	98.9	99.8		
Sound pressure level	Cooling	Nom.		dBA	75.20	76.2	78.2		77.8	78.2	78.7	79.8	80.7		
Compressor	Type				Semi-hermetic single screw compressor										
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15										
	Condenser	Cooling	Min.~Max.	°CDB	20~55										
Refrigerant	Type				R-134a										
	Control				Electronic expansion valve										
	Circuits	Quantity			1				2						
Refrigerant circuit	Charge			kg	90	87	85		180	177	174	172	170		
Piping connections	Evaporator water inlet/outlet				168.3mm				219.1mm						
	Condenser water inlet/outlet				5"										
Power supply	Phase / Frequency / Voltage			Hz / V	3 / 50 / 400										

EWWD-BJYNN

Water cooled chiller, high efficiency, flooded evaporator

EWWDC11BJYNN

Strengths

- All models are PED pressure vessel approved
- 1 and 2 stepless single-screw compressors
- Optimised for use with R-134a
- Cooling range: 369–1050kW
- Super high efficiency: EER up to 5.84
- Very high EER values at part loads condition
- Flooded evaporator
- Expansion valve with liquid level control

Standard available

- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Suction stop valve
- A / V meter
- Soft starter
- Cu / Ni heat exchanger

Accessories

- Communication cards (EKAC200J – EKACBAC – EKACLON)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Daikin serial sequencing panel (EKDSSP)
- Modem (EKMODEM – EKG SMOD)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

COOLING ONLY

Capacity class						380	460	550	750	850	900	C10	C11
Cooling capacity	Nom.				kW	369	445	521	734	816	895	976	1,050
Capacity steps					%	stepless 25 - 100			Stepless 12.5 - 100				
Power input	Cooling	Nom.			kW	65	77.9	90	129	142	155	167	180
EER						5.68	5.71	5.79	5.65	5.71	5.77	5.81	5.83
ESEER						6.44	6.47	6.56	7.16	7.23	7.32	7.37	7.40
Dimensions	Unit	HeightxWidthxDepth			mm	2,250x3,625x1,551	2,250x3,860x1,551		2,300x4,145x1,743		2,300x4,145x1,808	2,300x4,145x1,910	
Weight	Unit				kg	3,089	3,370	3,603	5,546	5,636	6,007	6,448	6,598
	Operation weight				kg	3,250	3,588	3,870	5,911	6,045	6,460	6,972	7,163
Water heat exchanger - evaporator	Type					Flooded shell and tube							
	Minimum water volume in the system				l	78	107	134	184	210		281	302
	Water flow rate	Min.			l/min	565	615	776	932	1,216	1,209	1,382	1,632
		Nom.			l/min	1,058	1,276	1,494	2,104	2,339	2,566	2,798	3,010
		Max.			l/min	1,788	1,945	2,455	2,946	3,846	3,825	4,370	5,162
	Nominal water pressure drop	Cooling	Heat exchanger		kPa	35	43	37	51	37	45	41	34
Water heat exchanger - condenser	Minimum water volume in the system				l	83	111	133	181	199	243		263
	Water flow rate	Min.			l/min	665	948	1,086	1,478	1,703	1,904	1,924	2,146
		Nom.			l/min	1,244	1,499	1,752	2,474	2,746	3,010	3,277	3,526
		Max.			l/min	2,103	2,998	3,435	4,675	5,386	6,020	6,085	6,786
	Nominal water pressure drop	Heating			kPa	35	25	26	28	26	25	29	27
Water heat exchanger - heat recovery condenser					Type	Shell and tube							
Sound pressure level	Cooling	Nom.			dBA	78	79	80	81	81.5	82	82.5	83
Compressor	Type					Semi-hermetic single screw compressor							
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-8 ~ 15							
	Condenser	Cooling	Min.~Max.		°CDB	21 ~ 50							
Refrigerant	Type					R-134a							
	Charge				kg	130	165	180	200	215	230	274	290
	Control					Electronic expansion valve							
	Circuits	Quantity				1							
Piping connections	Evaporator water drain					1/2" gas							
Power supply	Phase / Frequency / Voltage				Hz / V	3~ / 50 / 400							

EWWQ-AJYNN

Water cooled chiller, standard efficiency

EWWQC19-C20AJYNN

Strengths

- Cooling range: 388-2,093kW
- EER range up to 4.64
- ESEER up to 5.37
- 1 or 2 stepless single-screw compressors
- 1 or 2 truly independent refrigerant circuits
- Optimised for use with R-410A
- Shell and tube heat exchanger
- Standard electronic expansion valve
- Compact design
- Partial heat recovery available
- All models are PED pressure vessel approved

Standard available

- Glycol application
- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Partial heat recovery
- Power factor 0.9
- A/V meter
- Soft starter
- Pressure relief valve
- Suction stop valve

Accessories

- Communication cards (EKAC200J – EKACBAC –EKACLON)
- Modem (EKMODEM – EKG SMOD)
- Remote user interface (EKRUPCK)
- Converter RS485 to RS232 (EKCON) or to USB (EKCONUSB)

COOLING ONLY

Capacity class						400	480	600	650	750	800	850	900	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
Cooling capacity	Nom.			kW		387.96	474.13	574.36	651.45	742.14	812.53	880.09	891.19	980.45	1,028.15	1,077.43	1,210.09	1,281.09	1,352.09	1,488.14	1,620.34	1,783.43	1,928.13	2,092.73
Capacity control	Method					stepless																		
	Minimum capacity			%		25					12.5	25	12.5		25	12.5								
Capacity steps				%		stepless 25 - 100					stepless 12.5 - 100	stepless 25 - 100	Stepless 12.5 - 100		stepless 25 - 100	stepless 12.5 - 100								
Power input	Cooling	Nom.		kW		87.37	106.27	130.44	147.86	169.73	175.22	206.4	194.02	212.97	245.47	236.90	261.72	279.05	296.39	339.95	375.37	408.72	441.58	475.47
EER						4.44	4.46	4.40	4.41	4.37	4.64	4.26	4.59	4.60	4.19	4.55	4.62	4.59	4.56	4.38	4.32	4.36	4.37	4.40
ESEER						4.95	4.98	4.97		4.72	5.37	4.60	5.36	5.34	4.53	5.33	5.36	5.35	5.29	4.93		4.82	4.89	4.87
Dimensions	Unit	HeightxWidthxDepth		mm		1,846x1,065x3,431		2,000x1,226x3,440		1,846x1,266 x3,561	2,170x1,350 x4,902	1,846x1,266 x3,561	2,170x1,350x4,902		1,846x1,266 x3,561	2,379x1,350 x4,912	2,455x1,350x4,835			2,547x1,350x4,844			2,547x1,350x4,809	
Weight	Unit			kg		1,933	1,967	2,283	2,332	2,407	3,921	2,427	3,949	3,988	2,457	4,344	4,529	4,536	4,607	4,988	4,999	5,053	5,204	5,289
	Operation weight			kg		2,135	2,169	2,543	2,628	2,777	4,422	2,795	4,463	4,496	2,812	4,780	5,186	5,200	5,280	5,602	5,615	5,670	5,881	5,970
Water heat exchanger	Type					Shell and tube																		
Water heat exchanger - evaporator	Water flow rate	Nom.		l/min		1,111.8	1,359	1,646.4	1,867.2	2,124.6	2,328.6	2,519.4	2,554.2	2,809.8	2,943	3,088.2	3,468	3,671.4	3,875.4	4,260	4,636	5,105.4	5,519.4	5,990.4
	Nominal water pressure drop	Cooling	Heat exchanger	kPa		49.43	64.65	45.04	47.92	54.74	53.80	50.22	63.54	59.07	57.23	70.01	45.37	50.28	55.40	59.86	69.74	89.42	98.78	122.57
Water heat exchanger - condenser	Water flow rate	Nom.		l/min		1,372.2	1,675.2	2,034.6	2,307.6	2,632.2	2,851.2	3,136.2	3,132.6	3,445.2	3,676.8	3,794.4	4,249.2	4,504.2	4,759.2	5,277.6	5,760.6	6,328.8	6,841.2	7,413.6
	Nominal water pressure drop	Cooling		kPa		60.15	64.35	67.91	66.02	16.46	64.44	20.43	66.55	67.64	25.92	70.09	73.40		69.77	16.52	19.31	16.93	17.08	15.02
Sound power level	Cooling	Nom.		dBA		100.2	101.2	102.3		101.5	104.7	102.3	104.7	105.1	103.2	104.7	105.2	106.5		105.8	106.2	106.6	107.1	107.5
Sound pressure level	Cooling	Nom.		dBA		82.2	83.0	83.9		83.2	84.0	84.9	85.2		85.6	86	86.5	86.9		86.2	86.6	87	87.5	87.9
Compressor	Type					Semi-hermetic single screw compressor																		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-4~10																		
	Condenser	Cooling	Min.~Max.	°CDB		25~45																		
Refrigerant	Type					R-410A																		
	Control					Electronic expansion valve																		
	Circuits	Quantity				1					2	1	2		1	2								
Refrigerant circuit	Charge			kg		80		90		100	85	100	85		100	95	100			130				
Refrigerant circuit 2	Charge			kg		-					85	-	85		-	95	100			130				
Piping connections	Evaporator water inlet/outlet					168.3mm		219.1mm									273mm							
	Condenser water inlet/outlet					5"				6"	5"	6"	5"		6"	5"				6"				
Power supply	Phase / Frequency / Voltage			Hz / V		3~ / 50 / 400																		

EWWQ-AJYNN/A

Water cooled chiller, high efficiency

EWWQC19-C22AJYNN/A

Strengths

- Cooling range: 431-2,196kW
- EER range up to 5.09
- ESEER up to 5.98
- 1 or 2 stepless single-screw compressors
- 1 or 2 truly independent refrigerant circuits
- Optimised for use with R-410A
- Shell and tube heat exchanger
- Standard electronic expansion valve
- Compact design
- Partial heat recovery available
- All models are PED pressure vessel approved

Standard available

- Glycol application
- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Partial heat recovery
- Power factor 0.9
- A/V meter
- Soft starter
- Pressure relief valve
- Suction stop valve

Accessories

- Communication cards (EKAC200J – EKACBAC –EKACLON)
- Converter RS485 to RS232
- Converter RS485 to USB
- Modem (EKMODEM – EKG SMOD)
- Remote user interface (EKRUPCK)
- Daikin serial sequencing panel (EKDSSP)

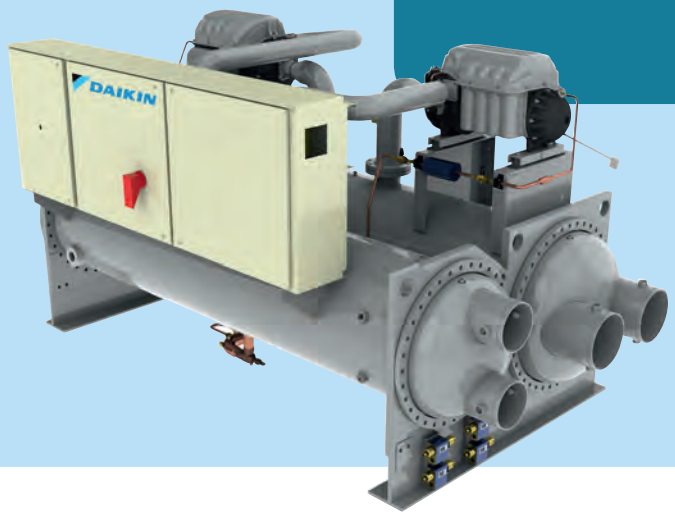
COOLING ONLY

Capacity class					440	550	650	750	800	950	C10	C11	C12	C13	C14	C15	C16	C18	C19	C20	C22
Cooling capacity	Nom.			kW	431	527	635	740	818	993	1,059	1,139	1,182	1,297	1,397	1,479	1,605	1,769	1,901	2,061	2,196
Capacity steps				%	stepless 25 - 100						stepless 12.5 - 100	stepless 25 - 100	stepless 12.5 - 100								
Power input	Cooling	Nom.		kW	86.67	104.72	128.28	145.95	162.04	196.57	209.49	232.06	233.11	257.54	274.77	291.86	321.48	356.36	390.31	425.94	460.72
EER					4.97	5.03	5.09	5.07	5.05		5.06	4.91	5.07	5.04	5.08	5.07	4.99	4.96	4.87	4.84	4.77
ESEER					5.58	5.61	5.69	5.67	5.64	5.39	5.89	5.28	5.87	5.88	5.98	5.93	5.67	5.71	5.48	5.50	5.38
Dimensions	Unit	HeightxWidthxDepth		mm	2,000x1,211x3,987			2,001x1,218 x3,855	2,000x1,266 x3,854	2,001x1,448 x3,891	2,453x1,350 x4,985	2,001x1,448 x3,891	2,453x1,350x4,985				2,547x1,350x4,844		2,547x1,350x4,809		
Weight	Unit			kg	2,322	2,403	2,464	2,738	2,407	2,427	4,775	2,457	4,831	4,873	4,919	4,969	5,117		5,388	5,408	5,414
	Operation weight			kg	2,594	2,685	2,745	3,158	2,815	3,056	5,431	3,086	5,479	5,512	5,546	5,606	5,794	5,843	6,110	6,118	6,124
Water heat exchanger	Type				Shell and tube																
Water heat exchanger - evaporator	Water flow rate	Nom.		l/min	1,197	1,463.4	1,813.2	2,058	2,272.8	2,760	2,944.2	3,164.4	3,286.2	3,606.0	3,882.6	4,108.8	4,459.8	4,957.0	5,283	5,727	6,103.8
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	55.77	68.81	71.54	64.27	57.46	53.85	53.69	68.89	64.23	55.13	67.85	75.14	70.1	89.12	91.3	113.04	126.77
Water heat exchanger - condenser	Type				Shell and tube																
	Water flow rate	Nom.		l/min	1,457.4	1,778.4	2,199	2,496.6	2,760	3,350.4	3,573.6	3,861	3,986.4	4,380	4,708.8	4,986	5,425.2	5,985.6	6,454.8	7,005.6	7,485.6
	Nominal water pressure drop	Cooling		kPa	50.16	39.75	42.38	46.94	59.79	64.73	40.10	83.56	47.93	48.17	49.20	46.82	44.26	61.21	60.50	79.00	
Sound power level	Cooling	Nom.		dBA	100.9	101.7	102.6	102.7	102	102.9	105.2	103.8	105.6	106.1	106.5		105.8	106.2	106.6	107.1	107.5
Sound pressure level	Cooling	Nom.		dBA	82.2	83.0	83.9		83.2	84.0	85.6	84.9	86	86.5	86.9		86.2	86.6	87	87.5	87.9
Compressor	Type				Semi-hermetic single screw compressor																
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-4~10																
	Condenser	Cooling	Min.~Max.	°CDB	25~45																
Refrigerant	Type				R-410A																
	Control				Electronic expansion valve																
	Circuits	Quantity			1						2	1	2								
Refrigerant circuit	Charge			kg	95				110	130	120	130	120				130				
Refrigerant circuit 2	Charge			kg	-						120	-	120				130				
Piping connections	Evaporator water inlet/outlet				219.1mm						273mm										
	Condenser water inlet/outlet				5"																
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400																

EWWD-FZXS

Water cooled chiller with centrifugal compressor

EWWD640-C10FZXS



Strengths

- Oil free centrifugal compressor (with magnetic bearings)
- Integrated VFD to reach outstanding partial load efficiencies (ESEER up to 9.60), resulting in great energy savings
- Reduced maintenance thanks to the elimination of oil
- Low sound level (sound pressure at 1m around 80 dB(A))
- Extensive options list
- Easy integration with control systems (BMS, Sequencing Panels)

Standard available

- Inverter compressor starter
- Evaporator victaulic kit
- Evaporator water side design pressure 10 bar
- 20 mm evaporator insulation
- Condenser victaulic kit
- Condenser water side design 16 bar
- Electronic expansion device
- Hour run meter
- General fault contactor

COOLING ONLY

Indoor units					320	430	520	640	860	C10
Cooling capacity	Min.			kW	114	128	172	114	128	172
	Max.			kW	317	429	521	635	856	1,048
Capacity control	Method				Variable speed centrifugal compressor					
Power input	Cooling	Min.		kW	21.6	27.7	33.1	21.6	27.7	33.1
	Cooling	Max.		kW	65.9	85.7	104	132	171	206
EER					5.40		6.00	5.40	5.50	5.90
ESEER					8.60		9.40	8.80	8.60	9.60
Dimensions	Unit	HeightxWidthxDepth		mm	1,823x1,276x3,254		1,823x1,276x3,419	1,755x1,790x3,441	1,748x1,853x3,289	1,794x1,904x3,401
Weight	Unit			kg	2,360	2,416	2,546	3,709	4,095	4,765
	Operation weight			kg	2,520	2,634	2,812	4,074	4,548	5,330
Water heat exchanger - evaporator	Type				Flooded shell and tube (2 passes)					
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	30	31	23	18	21	11
Water heat exchanger - condenser	Type				Flooded shell and tube (2 passes)					
	Water flow rate	Nom.		l/s	18.3	24.6	29.9	36.7	49.1	59.9
	Nominal water pressure drop	Cooling		kPa	24	25	28	24	25	29
Sound power level	Cooling	Nom.		dBA	89.0	90.1	91.2	92.4	93.6	94.6
Sound pressure level	Cooling	Nom.		dBA	70.9	72.0	73.0	73.8	75.1	75.9
Compressor	Type				Oil free centrifugal compressor with magnetic bearings					
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	2~15					
	Condenser	Cooling	Min.~Max.	°CDB	18~46					
Refrigerant	Type				R-134a					
	Charge			kg	210	190	180	220	300	
	Control				Electronic expansion valve					
	Circuits	Quantity			1					
Piping connections	Evaporator water inlet/outlet			mm	168.3		219.1			273
	Condenser water inlet/outlet			mm	168.3			219.1		
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400					

Condenserless chiller

Daikin offers you flexible and compact chillers with remote condenser, which can be used to satisfy applications with special requirements in the field of available space, sound level or extreme operating conditions.
In these exceptional cases, remote condenser solutions can be preferred over standard air cooled or water cooled solutions.

For a copy of our latest Price List please call **0845 6419000**

EWLP-KBW1N

Water cooled condenserless chiller

EWLP014KBW1N

Strengths

- One of the most compact units in the market (60cm x 60cm x 60cm for models 012 to 030)
- Daikin scroll compressor
- Standard main isolator switch
- Basic hydraulic components : included as a kit with the unit: flow switch, air purge, filter + shut-off valves
- Standard reverse phase protection

Options (factory mounted)

- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL)

Accessories (kit)

- Compressor soundproof material (-3dBA).
- Hydraulic module (see also EHMC)
- BMS gateway (MODBUS)
- Remote user interface

Control

- Microprocessor control
- Water inlet temperature control

Available inputs/outputs

- Input
  - Remote ON / OFF
  - Pump contact
- Output
  - Compressor operation
  - Summary alarm
  - Pump relay contact

COOLING ONLY

Indoor units					012	020	026	030	040	055	065
Cooling capacity	Nom.			kW	12.1	20.0	26.8	31.2	40.0	53.7	62.4
Power input	Cooling	Nom.		kW	4.2	6.6	8.5	10.1	13.4	17.8	20.3
EER					2.88	3.03	3.15	3.09	2.99	3.02	3.07
Dimensions	Unit	HeightxWidthxDepth		mm	600x600x600				600x600x1,200		
Weight	Unit			kg	108	141	147	151	252	265	274
Water heat exchanger - evaporator	Minimum water volume in the system			l	62	103	134	155	205	268	311
	Water flow rate	Min.		l/min	17	29	38	45	57	77	89
		Nom.		l/min	35	57	77	89	115	154	179
		Max.		l/min	69	115	153	179	229	307	358
	Model	Quantity			1						
	Type				Brazed plate						
Sound power level	Cooling	Nom.		dBA	64			71	67		74
Compressor	Type				Hermetically sealed scroll compressor						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~20						
	Condenser	Cooling	Min.~Max.	°CDB	25~60						
Refrigerant	Type				R-407C						
	Control				Thermostatic expansion valve						
	Circuits	Quantity			1				2		
Piping connections	Evaporator water inlet/outlet				FBSP 25mm				FBSP 40mm		
	Evaporator water drain				Field installation						
Power supply	Phase / Frequency / Voltage			Hz / V	3N~ / 50 / 400						

EWLD-MBYN

Water cooled condenserless chiller

EWLD120MBYN

Strengths

- Daikin stepless single screw compressor
- Compact and modular design
- Standard phase sequence controller
- VICTAULIC joints
- DICN operation as standard within same series
- Standard discharge shut-off valve
- Standard flow switch
- Standard filter
- Ampere and Voltmeter (read-out on switchbox)
- Dual pressure relief valve

Accessories (kit)

- BMS gateway (MODBUS / J-BUS / BACNET protocol)
- Remote user interface

Control

- Microprocessor control
- Water inlet temperature control
- Weekly operation schedule

Available inputs/outputs

- Input
  - ON / OFF
  - Pump contact
  - Dual setpoint through analog signal
  - Floating set point
- Output
  - Compressor operation
  - Summary alarm
  - Fan-condenser relay contacts
  - Pump relay contact

COOLING ONLY

Capacity class						120	170	240	260	340	400	480	500	540
Cooling capacity	Nom.				kW	116	170	235	265	340	405	470	500	530
Capacity steps					%	stepless 30 - 100				stepless 15 - 100				
Power input	Cooling	Nom.			kW	32.0	49.8	66.5	77.9	99.6	116	133	144	156
EER						3.63	3.41	3.53	3.40	3.41	3.49	3.53	3.47	3.40
Dimensions	Unit	HeightxWidthxDepth			mm	1,018x2,681x930				2,000x2,681x930				
Weight	Unit				kg	891	1,110	1,342	1,428	2,220	2,452	2,684	2,770	2,856
	Operation weight				kg	907	1,130	1,369	1,462	2,260	2,497	2,738	2,831	2,924
Water heat exchanger - evaporator	Minimum water volume in the system				l	570	830	1,150	1,300	830	990	1,150	1,220	1,295
	Water flow rate	Min.			l/min	175	265	350	400	525	625	700	750	800
		Nom.			l/min	333	487	674	760	975	1,161	1,347	1,434	1,520
		Max.			l/min	700	1,070	1,400	1,600	2,100	2,500	2,800	3,000	3,200
	Nominal water pressure drop (circuit 1)	Cooling	Heat exchanger		kPa	21	25	26	22	25		26		22
			Filter		kPa	2	3	6	8	3		7		9
			Total		kPa	23	28	32	30	28		33		31
	Nominal water pressure drop (circuit 2)	Cooling	Heat exchanger		kPa	-				25	26		22	
			Filter		kPa	-				3	7		9	
			Total		kPa	-				28	33		31	
	Model 1	Quantity				1				2	1	2	1	2
		Type				AC120EQ-NP156	AC250Q-NP96	AC250Q-NP128	AC250Q-NP162	AC250Q-NP96		AC250Q-NP128	AC250EQ-NP128	AC250EQ-NP162
	Model 2	Quantity				-					1	-	1	-
		Type				-					AC250Q-NP128	-	AC250EQ-NP162	-
	Type					Brazed plate, one per circuit								
Sound power level	Cooling	Nom.			dBA	87	93	94	93	96				
Compressor	Type					Semi-hermetic single screw compressor								
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10 ~ 20								
	Condenser	Cooling	Min.~Max.		°CDB	25 ~ 55		25 ~ 62		25 ~ 55		25 ~ 62		
Refrigerant	Type					R-134a								
	Control					Thermostatic expansion valve		Electronic expansion valve		Thermostatic expansion valve	Thermostatic expansion valve / Electronic expansion valve	Electronic expansion valve		
	Circuits	Quantity				1				2				
Piping connections	Evaporator water inlet/outlet					3" OD victaulic coupling	3" victaulic coupling							
	Evaporator water drain					Field installation								
Power supply	Phase / Frequency / Voltage				Hz / V	3~ / 50 / 400								

EWLD-G-SS

Water cooled condenserless chiller, standard efficiency, standard sound

EWLD-G-SS

Strengths

- Cooling range: 161-526kW
- EER range: 3.48-3.70
- Stepless single-screw compressor
- Optimised for use with R-134a
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- All models are PED pressure vessel approved

Standard available

- Main switch
- Suction stop valve
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Low noise
- Soft starter
- Liquid receiver

Accessories

- Communication cards (EKAC200J – EKACBAC –EKACLON)
- Converter RS485 to RS232 or to USB
- Modem (EKMODEM – EKG SMOD)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Daikin serial sequencing panel (EKDSSP)
- Buffer tanks (EKBT500N – EKBTC10N – EKBT500C – EKBTC10C)

COOLING ONLY

Indoor units					160	190	240	280	320	360	380	420	480	550
Cooling capacity	Nom.			kW	161	189	244	270	316	352	381	428	476	526
Capacity steps				%	stepless 25 - 100				-	stepless 12.5 - 100				
Power input	Cooling	Nom.		kW	45.4	54.3	65.9	74.6	90.6	99.7	108.6	120	131.5	148
EER					3.54	3.48	3.70	3.62	3.48	3.53	3.51	3.57	3.62	3.55
Dimensions	Unit	HeightxWidthxDepth		mm	1,860x1,000x3,700				1,942x1,100x4,400					
Weight	Unit			kg	1,280		1,398		2,442	2,446		2,501	2,506	
	Operation weight			kg	1,337		1,516		2,560			2,670		
Water heat exchanger - evaporator	Minimum water volume in the system			l	1,151	1,354	1,749	1,938	1,130	1,262	1,365	1,535	1,704	1,884
	Water flow rate	Min.		l/min	230.20	270.90	349.74	387.58	452.22	504.83	546.25	613.90	681.84	753.80
		Nom.		l/min	460.39	541.81	699.47	775.16	904.44	1,009.65	1,092.50	1,227.81	1,363.69	1,507.60
		Max.		l/min	649.15	763.95	986.26	1,092.97	1,275.27	1,423.61	1,540.42	1,731.21	1,922.80	2,125.71
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	48	69	43	53	64	63	72	54		68
	Model	Quantity			1									
		Type			EV19270055		EV27270066		EV27270077	EV27270088		EV32270088	EV32270099	
	Type				Shell and tube - direct expansion									
Sound power level	Cooling	Nom.		dBA	88				90.5					
Sound pressure level	Cooling	Nom.		dBA	69.7				71.7					
Compressor	Type				Semi-hermetic single screw compressor									
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15									
	Condenser	Cooling	Min.~Max.	°CDB	25~60									
Refrigerant	Type				R-134a									
	Charge			kg	5				10					
	Control				Electronic expansion valve									
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet				88.9		114.3					139.7		
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400									

EWLD-I-SS

Water cooled condenserless chiller, standard efficiency, standard sound

EWLD-

Strengths

- Cooling range: 328-1,422kW
- EER range: 3.51-3.91
- Stepless single-screw compressor
- Optimised for use with R-134a
- 1 or 2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- All models are PED pressure vessel approved

Standard available

- Main switch
- Gauges
- Electronic expansion valve

Options (factory mounted)

- Glycol application
- Total heat recovery
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Soft starter
- Liquid receiver

Accessories

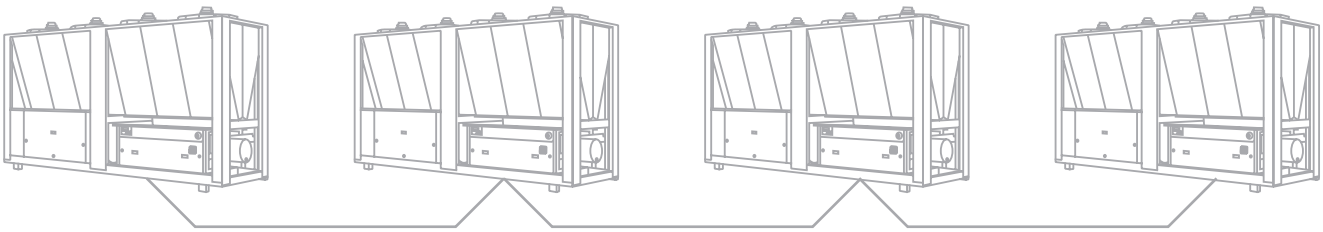
- Communication cards (EKAC200J – EKACBAC –EKACLON)
- Converter RS485 to RS232
- Converter RS485 to USB
- Modem (EKMODEM – EKG SMOD)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Sequencing panel (EKCSCII)
- Buffer tanks (EKBT500N – EKBTC10N – EKBT500C – EKBTC10C)
- Plant visor (EKPV 2J)

COOLING ONLY

Indoor units					320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	328	391	428	504	596	657	730	788	850	919	966	1,033	1,078	1,125	1,188	1,267	1,319	1,370	1,422
Capacity control	Method			%	Stepless																		
	Minimum capacity				25				12.5							8.3							
Power input	Cooling	Nom.		kW	83.8	100	116	137	165	181	198	214	231	252	271	279	296	312	329	347	366	386	405
EER					3.91	3.9	3.7	3.67	3.61	3.63	3.69	3.67		3.65	3.56	3.59	3.64	3.60	3.61	3.65	3.60	3.55	3.51
Dimensions	Unit	HeightxWidthxDepth		mm	1,899x1,464x3,114				2,325x1,464x4,391							2,415x2,135x4,426							
Weight	Unit			kg	1,861		1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167		5,188	5,208			
	Operation weight			kg	2,054		2,052	2,056	3,602		3,603	3,604	3,605	3,645		5,667	5,671		5,677	5,680			
Water heat exchanger - evaporator	Water flow rate	Nom.		l/min	940.2	1,120.8	1,227.0	1,444.8	1,708.8	1,883.4	2,092.8	2,259.0	2,436.6	2,634.6	2,769.0	2,961.0	3,090.0	3,225.0	3,405.6	3,631.8	3,781.2	3,927.6	4,076.4
	Nominal water pressure drop	Cooling	Total	kPa	34		47	54	49	39	52	47		45		52	46	49	41	51	55	59	63
	Type				Single pass shell and tube																		
Sound power level	Cooling	Nom.		dBA	93.7	96.6	96.7		96.9	97.3	97.8	98.9	99.8			100.4	100.8	101.2	103	100.4	100.8	101.2	103
Sound pressure level	Cooling	Nom.		dBA	75.2	76.2	78.2		77.8	78.2	78.7	79.8	80.7			80.4	80.8	81.2	83	80.4	80.8	81.2	83
Compressor	Type				Semi-hermetic single screw compressor																		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																		
	Condenser	Cooling	Min.~Max.	°CDB	25~60																		
Refrigerant	Type				R-134a																		
	Charge			kg	5																		
	Control				Electronic expansion valve																		
	Circuits	Quantity			1								2			3							
Piping connections	Evaporator water inlet/outlet				168.3mm											219.1mm							
Power supply	Phase / Frequency / Voltage			Hz / V	3~ / 50 / 400																		

D.I.C.N.

Daikin Integrated Chiller Network



Applicable series:

- EWAQ080-260DAYN (R-410A)
- EWYQ080-250DAYN (R-410A)
- EWWD120-540MBYN (R-134a)
- EWLD120-540MBYN (R-134a)

Daikin chillers can be equipped with DICN which allows the simultaneous operation of up to 4 chillers as if they were a single unit, in order to deliver the required cooling capacity. This results in precise and efficient capacity control and is also useful for back up purposes, ensuring that the necessary amount of cooling is available and guaranteeing reliable operation of the chiller plant.
This function enables a Daikin 2MW chiller plant to be operated via a single controller.
Please note that DICN is only possible within the same series.

EHMC

Hydraulic module

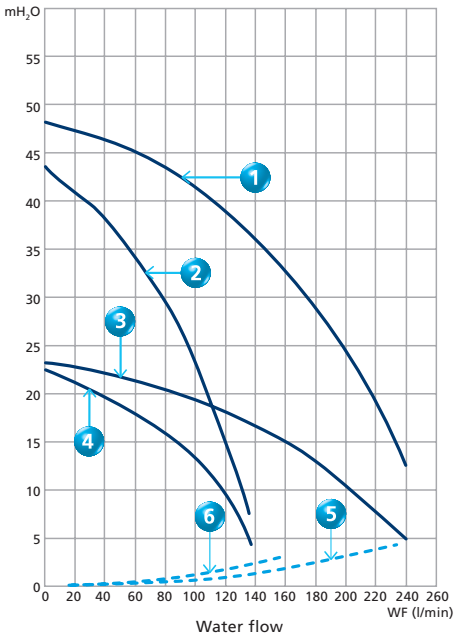
EHMC10-15-30AV1010

- 3 models available
- 100 l tank for all sizes
- Freeze up protection
- High static pump (option)
- Standard drain kit (for indoor use)
- Standard dual pressure ports (before & behind the pump)

LEGENDS

Pump characteristics
1. EHMC30AV1080
2. EHMC10AV1080 & EHMC15AV1080
3. EHMC30AV1010
4. EHMC10AV1010 & EHMC15AV1010

Hydraulic module + filter pressures losses
5. EHMC15/30AV1010 & EHMC15/30AV1080
6. EHMC10AV1010 & EHMC10AV1080



Water flow

HYDRAULIC MODULE

EHMC-AV			10		15		30	
			1010	1080	1010	1080	1010	1080
Nominal flow		l/min	62		88		187	
Nominal static height		mH_2O	17	34	15	27	10	27
Nominal input		W	630	1,050	650	1,070	1,070	2,090
Dimensions (HxWxD)		mm	1,284x635x688		1,284x635x688		1,284x635x688	
Machine weight		kg	99	101	102	104	105	111
Sound power		dBA	63		63		63	
Sound pressure		dBA	52		52		52	
Power supply		V1	1~/230V/50Hz					
Operation range	Water side	°C	-10°C ~ 55°C					
	Air side	°CDB	-10°C ~ 43°C					
Piping connections	Water inlet/outlet		1" BSPF		2" BSPF		2-1/2" BSPF	
	Drain connection		1/2"					

BUFFER TANK

MODEL	Description	Volume	Dimensions	Unit weight
EKBT	Buffer tank with cabinet	200l	1,284x637x754	86.5
EKBT500N	Buffer tank	500l	710x1,670	70
EKBTC10N	Buffer tank	1,000l	860x2,020	100
EKBT500C	Buffer tank with cabinet	500l	1,200x1,200x1,950	160
EKBTC10C	Buffer tank with cabinet	1,000l	1,200x1,450x1,950	185

Fan coil units

Fan coil units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system.

These units are an effective solution to provide a comfortable environment for both commercial and residential applications.

Daikin offers a wide range of fan coil units for both concealed and exposed applications.

3 models are available in flexible application. The only moving part in the units is the fan, making them ideal for use in offices, hotels and at home. The goal is to obtain the right solution, both technically and aesthetically.

For a copy of our latest Price List please call **0845 6419000**

The fan coil units can be operated by different controllers according to the model.

ECFWMB6

EPIMSA6/EPIA6

Electromechanical built-in controller ECFWMB6

- Fan speed selector
- Manual cooling/heating changeover
- ON / OFF valves can also be controlled with ECFWMB6

Master / slave interface EPIMSA6

- Available as an additional interface, which is required for units with a current greater than 1.12A
- Optional for remote control of up to 4 fan coil units
- Up to 3 Master / Slave interfaces can be connected in parallel, enabling control over up to 12 fan coil units

Power interface EPIA6

- Available as an additional interface, which is required for units with a current greater than 1.12A
- Required for connection of ECFWER6 to FWD12-18
- Can be used as an alternative for Master / Slave interface

FWEC1AA/FWEC2AA/FWEC3AA

Electronic controller FWEC1AA

- Control of on-off valves for two or four pipes systems
- Control of auxiliary heating element
- Cooling/heating switching in the following modes: local or remote manual (centralised), automatic (depending on water temperature (optional) or air temperature)
- Possibility, by means of clean contacts, of remote centralised cooling/heating switching and external activation
- Temperature sensor kit (accessory FWTSKAA)
- Economy function (setpoint correction by 2.5°C and forcing of the fan to run at minimum available speed)
- Composed by:
  - lc display
  - keyboard
- On board and wall mounted installation

FWEC2AA same as FWEC1AA with following additional functions:

1) Humidity management:
   - display of relative humidity
   - dehumidification function (cooling mode) Manual activation
2) Serial communication interface (RS485 bus)
   - possibility to set up a masterslave system up to 247 slave units, in which one of the controls plays the role of master and manages all the other slave units (modbus protocol)

FWEC3AA same as FWEC2AA with following additional functions:

1) Back light
2) Proportional valve control (two voltage outputs for the proportional valves)
3) Voltage contact 0-10V (same as 2)
4) Time clock and weekly schedule (on / off or setpoint air)
5) Integration in BMS (already included in the FWEC2AA version)
6) Two digital outputs (voltage free) to manage electric heaters with the weekly schedule

MERCA

Standard wired remote controller

- Fan speed
- Sleep function
- Swing
- Temperature setting
- Operating mode
- LCD display
- ON / OFF switch
- Real time clock
- Timer active
- Timer ON / OFF

SRC-COB/HPB

Simplified wired remote controller for cooling only & heat pump

- Temperature display
- Temperature setting
- Timer switch setting
- ON / OFF switch
- Fan speed
- Operating mode
- Swing
- 'Sleep' function

WRC-COB/HPB

Wireless controller for cooling only & heat pump

- LCD display
- Temperature setting
- Operating mode
- Timer switch setting
- Turbo mode
- Swing
- 'Sleep' function
- Real time clock
- ON / OF switch
- Fan speed

FWV-DT/DF

Floor standing unit

FWV01, 02DT/DF

FWEC1, 2, 3A

ECFWMB6

- Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- Quick fixing system for wall mounted installation
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options: no tools needed
- Quick removal of washable filter
- Electric heater: no relay up to 2kW capacity
- Electronic controller with water probe, available in standard, advanced and advanced plus version

Indoor units				**2-PIPE**							**4-PIPE**						
				01	**02**	**03**	**04**	**06**	**08**	**10**	**01**	**02**	**03**	**04**	**06**	**08**	**10**
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03	-						
	4-Pipe	High	kW	-							1.90	2.10	3.08	5.05	5.30	7.91	9.30
Power input	High		W	37	53	56	98		137	175	37	53	56	98		137	175
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226		564x984 x226	564x1,194x226		564x1,404x251		564x774x226		564x984 x226	564x1,194x226		564x1,404x251	
Weight	Unit		kg	19	20	25	30	31	41		20	21	26	32	33	44	
Heat exchanger	Water volume		l	0.5	0.7	1	1.4		2.1		0.5	0.7	1	1.4		2.1	
Additional heat exchanger	Water volume		l	-							0.2		0.3	0.4		0.6	
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19
	Heating		kPa	9	11	9		10	9	16	7	8	5	10		8	9
Fan	Type			Centrifugal multi-blade, double suction							Centrifugal multi-blade, double suction						
	Air flow rate	High	m³/h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362
Sound power level	High		dBA	45	50	47	52	56	58	64	45	50	47	52	56	58	64
Piping connections	Drain	OD	mm	16							16						
Water connections	Std. heat exchanger		inch	1/2					3/4		1/2					3/4	
Power supply	Phase / Frequency / Voltage		Hz / V	1 / 50 / 230							1 / 50 / 230						
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76

FWL-DT/DF

Flexi type unit

FWL03DT/DF

FWL03DT/DF

FWEC1, 2, 3A

ECFWMB6

- Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- Quick fixing system for wall or ceiling mounted installation
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options: no tools needed
- Quick removal of washable filter
- Electric heater: no relay up to 2kW capacity
- Electronic controller with water probe, available in standard, advanced and advanced plus version

Indoor units				**2-PIPE**							**4-PIPE**						
				01	**02**	**03**	**04**	**06**	**08**	**10**	**01**	**02**	**03**	**04**	**06**	**08**	**10**
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03	-						
	4-Pipe	High	kW	-							1.90	2.10	3.08	5.05	5.30	7.91	9.30
Power input	High		W	37	53	56	98		137	175	37	53	56	98		137	175
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226		564x984 x226	564x1,194x226		564x1,404x251		564x774x226		564x984 x226	564x1,194x226		564x1,404x251	
Weight	Unit		kg	20	21	27	32	33	44		21	22	28	34	35	46	
Heat exchanger	Water volume		l	0.5	0.7	1	1.4		2.1		0.5	0.7	1	1.4		2.1	
Additional heat exchanger	Water volume		l	-							0.2		0.3	0.4		0.6	
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19
	Heating		kPa	9	11	9		10	9	16	7	8	5	10		8	9
Fan	Type			Centrifugal multi-blade, double suction							Centrifugal multi-blade, double suction						
	Air flow rate	High	m³/h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362
Sound power level	High		dBA	45	50	47	52	56	58	64	45	50	47	52	56	58	64
Water connections	Std. heat exchanger		inch	1/2					3/4		1/2					3/4	
Power supply	Phase / Frequency / Voltage		Hz / V	1 / 50 / 230							1 / 50 / 230						
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76

FWM-DT/DF

Flexi type unit

FWM01, 02DT/DF

FWM01, 02DT/DF

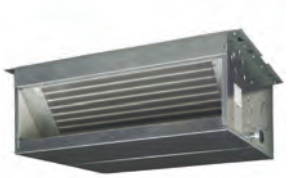
FWEC1, 2, 3A

- Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- Quick fixing system for wall or ceiling mounted installation
- Pre-assembled 3-way/4-port ON/OFF valves are available
- Valve packages are insulated, no extra drain pan required
- Valve packages contain balancing valves and sensor pocket
- Fast-on connections for electrical options: no tools needed
- Quick removal of washable filter
- Electric heater: no relay up to 2kW capacity
- Electronic controller with water probe, available in standard, advanced and advanced plus version

Indoor units				**2-PIPE**							**4-PIPE**						
				01	**02**	**03**	**04**	**06**	**08**	**10**	**01**	**02**	**03**	**04**	**06**	**08**	**10**
Cooling capacity	Total capacity	High	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02	1.46	1.90	2.87	4.33	4.67	6.64	7.88
	Sensible capacity	High	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96	1.14	1.51	2.07	3.15	3.57	4.85	5.85
Heating capacity	2-Pipe	High	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03	-						
	4-Pipe	High	kW	-							1.90	2.10	3.08	5.05	5.30	7.91	9.30
Power input	High		W	37	53	56	98		137	175	37	53	56	98		137	175
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224		535x794x224	535x1,004x224		535x1,214x249		535x584x224		535x794x224	535x1,004x224		535x1,214x249	
Weight	Unit		kg	14	15	19	23		32		15	16	20	25		34	
Heat exchanger	Water volume		l	0.5	0.7	1	1.4		2.1		0.5	0.7	1	1.4		2.1	
Additional heat exchanger	Water volume		l	-							0.2		0.3	0.4		0.6	
Water flow	Cooling		l/h	265	359	504	745	820	1,154	1,343	251	327	494	745	803	1,142	1,355
	Heating		l/h	265	359	504	745	820	1,154	1,343	196	182	286	396	465	694	816
Water pressure drop	Cooling		kPa	13		11	12	14	12	19	13		11	12	14	12	19
	Heating		kPa	9	11	9		10	9	16	7	8	5	10		8	9
Fan	Type			Centrifugal multi-blade, double suction							Centrifugal multi-blade, double suction						
	Air flow rate	High	m³/h	319	344	442	706	785	1,011	1,393	307	327	431	690	763	998	1,362
Sound power level	High		dBA	45	50	47	52	56	58	64	45	50	47	52	56	58	64
Piping connections	Drain	OD	mm	17							17						
Water connections	Std. heat exchanger		inch	1/2					3/4		1/2					3/4	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230							1~ / 50 / 230						
Current input	High		A	0.17	0.24	0.25	0.44	0.43	0.60	0.76	0.17	0.24	0.25	0.44	0.43	0.60	0.76

FWD-AT/AF

Flexi type unit



FWD04AT/AF

FWD04AT/AF

FWEC1,2,3A

- Quick fixing system for wall or ceiling mounted installation
- Straight duct connector is mounted to discharge side
- Electronic controller with water probe, available in standard, advanced and advanced plus version
- The air filter can easily be removed for cleaning

Indoor units				**2-PIPE**							**4-PIPE**						
				04	**06**	**08**	**10**	**12**	**16**	**18**	**04**	**06**	**08**	**10**	**12**	**16**	**18**
Cooling capacity	Total capacity	High	kW	3.90	6.20	7.80	8.82	11.90	16.40	18.30	3.90	6.20	7.80	8.82	11.90	16.40	18.30
	Sensible capacity	High	kW	3.08	4.65	6.52	7.16	9.36	12.80	14.10	3.08	4.65	6.52	7.16	9.36	12.80	14.10
Heating capacity	2-Pipe	High	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92	-						
	4-Pipe	High	kW	-							4.49	6.62	9.21		15.86	21.15	
Power input	High		W	234	349	443		714	1,197		234	349	443		714	1,197	
Dimensions	Unit	HeightxWidthxDepth	mm	280x754x559	280x964x559	280x1,174x559		352x1,174x718	352x1,384x718		280x754x559	280x964x559	280x1,174x559		352x1,174x718	352x1,384x718	
Weight	Unit		kg	33	41	47	49	65	77	80	35	43	50	52	71	83	86
Heat exchanger	Water volume		l	1.06	1.42	1.79	2.38	2.5	4.02	5.03	1.06	1.42	1.79	2.38	2.50	4.02	5.03
Additional heat exchanger	Water volume		l	-							0.35	0.47	0.59		1.42	1.72	
Water flow	Cooling		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	674	1,064	1,339	1,514	2,056	2,833	3,140
	Heating		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	349	581	808		1,392	1,856	
Water pressure drop	Cooling		kPa	17	24		16	26	34	45	17	24		16	26	34	45
	Heating		kPa	14	20		13	21	28	37	9	15	13		12	16	
Fan	Type			Centrifugal multi-blade, double suction							Centrifugal multi-blade, double suction						
	Air flow rate	High	m³/h	800	1,250	1,600		2,200	3,000		800	1,250	1,600		2,200	3,000	
	Available pressure	High	Pa	66	58	68	64	97	145	134	63	53	63	59	92	138	128
Sound power level	High		dBA	66	69	72		74	78		66	69	72		74	78	
Piping connections	Drain	OD	mm	16							16						
Water connections	Std. heat exchanger		inch	3/4					1		3/4					1	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230							1~ / 50 / 230						
Current input	High		A	0.95	1.58	1.97		3.21	5.37		0.95	1.58	1.97		3.21	5.37	

FWT-BT

Wall mounted unit

FWT05, 06BT

MERCA

SRC-COB/HPB

WRC-COB/HPB

- Wide operating range
- Easy installation and maintenance
- 3-speed fan motor
- Double-intake centrifugal fans
- Excellent air flow and air distribution
- Flexibility via interchangeable water connection side
- High power air flow
- Insulated with self-extinguishing class 1 heat insulation
- Removable washable air filter (self-extinguishing class 1)
- Slim and compact aesthetic design
- Wireless remote control up to 9m distance, availability of a wired or simplified controller
- LED indicator gives run and fault indication

Indoor units				**2-PIPE**				
				02	**03**	**04**	**05**	**06**
Cooling capacity	Total capacity	High	kW	2.34	2.78	3.22	4.54	5.28
	Sensible capacity	High	kW	1.74	2.03	2.35	3.65	4.33
Heating capacity	2-Pipe	High	kW	3.02	3.75	4.10	6.01	6.74
Power input	High		W	24	25	29	66	69
Dimensions	Unit	HeightxWidthxDepth	mm	260x799x198	260x899x198		304x1,062x222	
Weight	Unit		kg	10	12		16	
	Operation weight		kg	10	13		17	
Heat exchanger	Water volume		l	0.49	0.57		0.85	
Water flow	Cooling		l/h	402	478	554	781	908
	Heating		l/h	402	478	554	781	908
Water pressure drop	Cooling		kPa	48.3	64.7	69.3	50.3	69.3
	Heating		kPa	42	58.6	60.6	50.6	70.6
Fan	Type			Centrifugal-direct driven fan motor				
	Air flow rate	High	m^3/h	467	510	586	1,070	1,121
Sound power level	High		dBA	53		55	61	64
Sound pressure level	High		dBA	40	39	42	49	50
Piping connections	Drain	OD	mm	16			20	
Water connections	Std. heat exchanger		inch	1/2				
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				
Current input	High		A	0.11		0.13	0.29	0.30

FWB-BT

Concealed ceiling unit

FWB04BT

FWEC1, 2, 3A

- Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor
- Compact dimensions, can easily be mounted in a narrow ceiling void 3, 4 or 6 stage row cooling coil
- Drain pan to collect the condensate from: heat exchanger and regulating valves
- 7-speed electrical motors (with thermal protection on windings)
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- The air filter can easily be removed for cleaning

Indoor units				**2-PIPE**								
				02	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**
Cooling capacity	Total capacity	High	kW	2.61	3.14	3.49	5.08	5.45	6.47	7.57	8.67	10.34
	Sensible capacity	High	kW	1.88	2.16	2.34	3.6	3.87	4.4	5.23	5.96	6.9
Heating capacity	2-Pipe	High	kW	5.47	6.01	6.47	10.31	11.39	12.28	15.05	16.85	18.78
	4-Pipe	High	kW	3.14			5.99			12.8		
Power input	High		W	79			154			294		
Dimensions	Unit	HeightxWidthxDepth	mm	239x1,039x609			239x1,389x609			239x1,739x609		
Weight	Unit		kg	23	24	26	31	33	35	43	45	48
	Operation weight		kg	24	26	28	33	35	38	45	48	52
Heat exchanger	Water volume		l	1.1	1.5	2.2	1.6	2.1	3.2	2.1	2.8	4.2
Additional heat exchanger	Water volume		l	0.4			0.6			1.7		
Water flow	Cooling		l/h	448	539	598	873	936	1,111	1,299	1,488	1,774
	Heating		l/h	480	527	567	904	999	1,077	1,319	1,479	1,647
	Additional heat exchanger		l/h	275			526			1,123		
Water pressure drop	Cooling		kPa	8	14	11	15	8	14	21		26
	Heating		kPa	7	10	8	12	7	10	16	15	18
	Additional heat exchanger		kPa	3			5			8		
Fan	Type			Centrifugal - forward blades - directly coupled on fan motor								
	Air flow rate	High	m^3/h	400			800			1,200		
	Available pressure	High	Pa	71			65			59		
Sound power level	High		dBA	56			59			69		
Sound pressure level	High		dBA	44.5			47.5			57.5		
Piping connections	Drain	OD	mm	16								
Water connections	Std. heat exchanger		inch	3/4								
	Add. heat exchanger		inch	3/4						1		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230								
Current input	High		A	0.36			0.73			1.28		

FWC-BT/BF

Round flow cassette

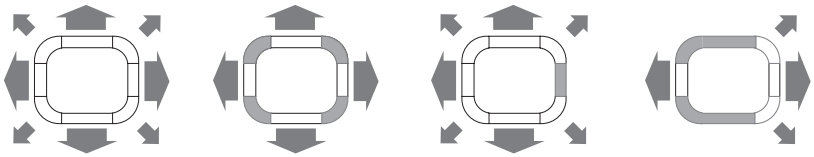
FWC-BT/BF

BRC315D7

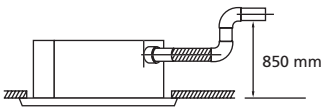
BRC7E532/3

- 360° air discharge ensures uniform air flow and temperature distribution
- DC Fan motor: Low Power input
- Modern stylish decoration panel in white (RAL9010)
- Fresh air intake kit available
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- Possibility to close 1 or 2 flaps for different air flow patterns

Examples of air flow patterns possible



- Drain pump standard mounted (lift: 850mm)



Indoor units				2-PIPE				4-PIPE			
				06	07	08	09	06	07	08	09
Cooling capacity	Total capacity	High	kW	6.0	7.0	8.0	9.0	6.0	6.7	7.8	8.9
Heating capacity	2-Pipe	High	kW	8.0	8.9	10.6	12.1	-			
	4-Pipe	High	kW	-				7.5	8.4	9.7	11.0
Power input	High		kW	29	40	65	94	28	40	64	93
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840				288x840x840			
Water pressure drop	Cooling		kPa	19	22	29	35	20	25	32	41
	Heating			19	22	29	35	17	20	27	34
Fan	Type			Turbo fan				Turbo fan			
	Air flow rate	High	m³/h	17.7	20.6	25.4	30.8	17.1	19.9	24.6	29.0
Sound power level	High		dBA	46	49	55	59	43	47	53	57
Sound pressure level	High		dBA	30	34	39	44	29	33	39	43
Piping connections	Drain	OD	mm	VP25 (external dia. 32, internal dia. 25)				VP25 (external dia. 32, internal dia. 25)			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			

*** Note: grey cells contain preliminary data**

FWF-BT/BF

4-way blow ceiling mounted cassette

FWF-BT/BF

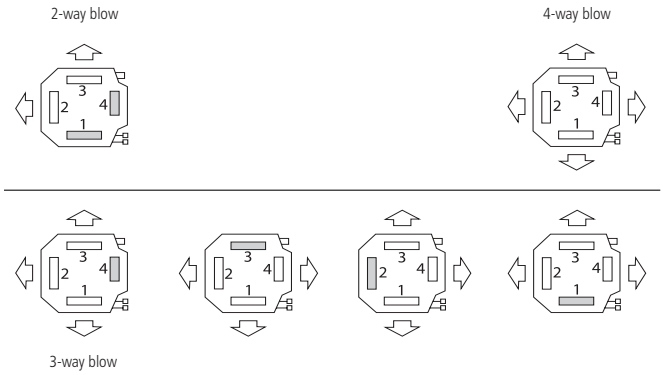
BRC315D7

BRC7E530/1

- Extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Modern stylish decoration panel in white (RAL9010)
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling

- Possibility to close 1 or 2 flaps for different air flow patterns

Examples of air flow patterns possible



- Drain pump standard mounted (lift: 750mm)

Indoor units				2-PIPE				4-PIPE			
				02	03	04	05	02	03	04	05
Cooling capacity	Total capacity	High	kW	2.0	3.2	4.2	5.4	2.0	2.7	3.5	4.5
Heating capacity	2-Pipe	High	kW	2.9	4.0	5.4	6.9	-			
	4-Pipe	High	kW	-				3.9	3.8	4.9	6.1
Power input	High		kW	66	66	89	116	66	62	86	117
Dimensions	Unit	HeightxWidthxDepth	mm	260x575x575				260x575x575			
Water pressure drop	Cooling		kPa	5	18	29	46	5	13	21	33
	Heating			5	18	29	46	11	5	9	13
Fan	Type			Turbo fan				Turbo fan			
	Air flow rate	High	m³/h	7.9	7.9	11.2	14.9	7.9	7.2	10.4	13.9
Sound power level	High		dBA	44	44	50	55	44	46	52	57
Sound pressure level	High		dBA	27	27	35	42	27	31	36	41
Piping connections	Drain	OD	mm	VP20 (external dia. 26, internal dia. 20)				VP20 (external dia. 26, internal dia. 20)			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			

*** Note: grey cells contain preliminary data**

Air purifiers

Allergens are impurities in the air that can bring on an allergic reaction. In an urban environment, a mixture of these allergens with other impurities present in the air can turn allergens into **heavy allergens.** These in turn can have increased negative health effects such as aggravated symptoms and the triggering of latent allergies.

Daikin's latest air purifier model, the MC707, is the result of many years of investment in innovation at the service of the customer's well-being. These efforts place the MC707 among the best residential air purifiers on the market today.

Besides a number of practical features, the MC707 owes its enhanced performance to an advanced 7-layer filtering system, the product of Daikin's continuous drive for innovation and efficiency.

The unique Flash Streamer technology decomposes chemical substances such as odours and formaldehyde into harmless by-products. It also promotes a photocatalytic reaction on the surface of the Titanium Apatite Photocatalytic Filter that removes bacteria and viruses.

Daikin has already received great praise for its air purifiers. A UK Allergy Certificate and the Daikin TüV Award confirm the efficiency of our units.

Photocatalytic air purifier

MC707VM-S	259

For a copy of our latest Price List please call **0845 6419000**

Photocatalytic air purifier

MC707VM-S

flash streamer
ONLY BY DAIKIN

MC707VM-S

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

Pure air for free and healthy breathing

- Stylish design
- Improved performance
- Unprecedented comfort
- Super quiet operation
- Easy to maintain
- Portable
- No installation

polluted air >

Pre-filter (with catechin*)
Removes large dust particles and pet hairs.

>

Bio-Antibody Filter
Airborne viruses are captured and removed.

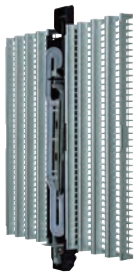
>

Plasma Ionizer
Dust and pollen are positively charged and sent to the Electrostatic Filter.

Flash Streamer unit

>

Flash Streamer
High-speed electrons are generated by the Flash Streamer. These electrons powerfully break down odours and formaldehyde.



>

Electrostatic Dust Collection Filter (front)
Positively charged dust and pollen are adsorbed by the negatively charged filter.

Titanium Apatite Photocatalytic Filter (back)
Odour, bacteria and viruses are adsorbed and decomposed.

PLEATED FILTER*

>

Deodorising Catalyst
Odours are adsorbed and broken down before the air is returned to the room.

> **purified air**

* Catechin is a natural anti-bacterial substance derived from tea leaves that kills germs that can attach to these particles.

* The filtering surface of a pleated filter is approximately 1.5 times larger than that of a conventional flat filter.

MC707VM-S								
Model			**MC707VM-S**					
Power supply			1~, 220-240/220-230V, 50/60Hz					
Dimensions	HxWxD	mm	533x425x213					
Colour			Sparkling silver + metallic ocean blue					
Weight		Kg	8.7					
Mode (50Hz)			**Turbo**	**H**	**M**	**L**	**Silent**	
Power input		kW	0.055	0.023	0.014	0.010	0.008	
Sound pressure level		dB(A)	47	38	31	24	16	
Sound power level		dB(A)	62	52	40	39	31	
Air flow rate		m^3/h	420	285	180	120	60	
Dust collecting method			Plasma ionizer (electrostatic dust collection) + Electrostatic dust collection filter					
Deodorising	Method		Flash Streamer + Titanium apatite photocatalytic filter + Deodorising catalyst					
	Deodorising performance (%)		95					
	Regenerate method		The Flash Streamer activates the photocatalytic reaction					
Bacteria filtering method			Bio-Antibody filter + Flash Streamer + Titanium apatite photocatalytic filter					
Filter	Dust collection and deodorisation	Form	Pleated filter					
		Function	Deodorisation + disinfection + dust collection + adjuvant removal					
		Lifetime	1 filter/1 year					
	Bio-Antibody filter		New					
	Pre-filter		Catechin pre-filter					

Power supply

T1 = 3~, 220V, 50HZ
V1 = 1~, 220-240V, 50HZ
VE = 1~, 220-240V, 50HZ/60HZ
V3 = 1~, 230V, 50HZ
VM = 1~, 220~240V/220~230V, 50HZ/60HZ
W1 = 3N~, 400V, 50HZ
Y1 = 3~, 400V, 50HZ

Measuring conditions

COOLING ONLY	
1) nominal cooling capacities are based on:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
level difference	0m

HEAT PUMP	
1) nominal cooling capacities are based on:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
level difference	0m
2) nominal heating capacities are based on:	
indoor temperature	20°CDB
outdoor temperature	7°CDB/6°CWB
refrigerant piping length	7.5m
level difference	0m

CHILLERS:			
Air-cooled	cooling only	evaporator: 12°C/7°C	ambient: 35°C
	heat pump	evaporator: 12°C/7°C	ambient: 35°C
		condenser: 40°C/45°C	ambient: 7°CDB/6°CWB
Water-cooled	cooling only	evaporator: 12°C/7°C	
		condenser: 30°C/35°C	
	heating only	evaporator: 12°C/7°C	
		condenser: 40°C/45°C	
Remote condenser		evaporator: 12°C/7°C	
		condensing temperature: 45°C / liquid temperature: 40°C	
Remote evaporator	cooling capacity/power input conditions	suction dew point: 5°C	ambient: 35°C
		superheat: 10°C	
Fan coil units	cooling	room temperature: 27°C/19°C	
		entering water temperature: 7°C/12°C	
	heating	room temperature: 20°C	
		water inlet temperature: 50°C (2-pipe) / 70°C (4-pipe)	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).
The sound power level is an absolute value indicating the 'power' which a sound source generates.
For more detailed information please consult our technical databooks.

DAIKIN

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FSC

Carbon Balanced Paper

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Daikin UK is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin units comply with the European regulations that guarantee the safety of the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units. VRV products, Rooftops, FWB-J and FWD-units are not within the scope of the Eurovent Certification Programme.

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