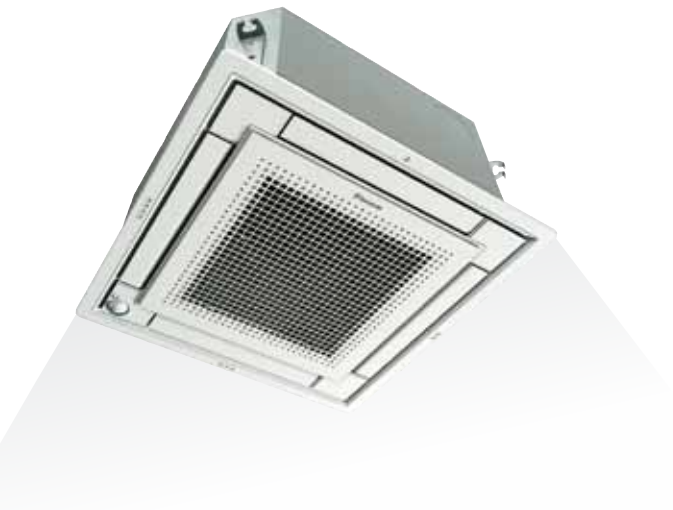
DAIKIN

Your business our concern

SEASONAL EFFICIENCY
Smart use of energy



SKY AIR PRODUCT RANGE
COMMERCIAL CATALOGUE

Sky Air

Preliminary version

About Daikin

Daikin has a worldwide reputation based on nearly 90 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use and 55 years as a leader in heat pump technology.

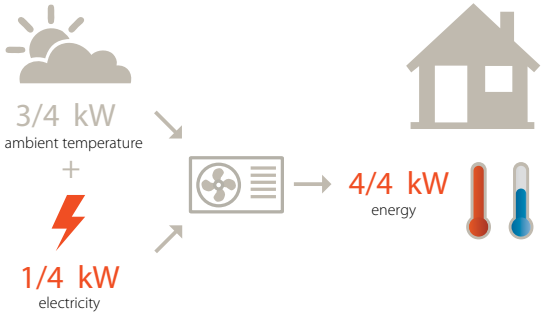
Daikin quality

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

Heat pump technology

Air to air heat pumps obtain 80% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible*. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass).

* EU objective COM (2008)/30



Content

Benefits for building owners

Daikin solutions provide market-leading systems that are ahead of the latest legislation for energy savings and carbon emissions. Delivering a consistent high performance throughout the product's lifespan, the Sky Air range contains operational features that deliver the very highest seasonal efficiencies on the market while the advanced controls and monitoring features allow the delivery of optimal comfort levels with the minimum of costs.

These features provide the following benefits for Building Owners:

- Your climate control system will meet legal requirements well beyond the current legislation
- You will obtain optimal seasonal performance thus saving energy and so reducing costs
- The climate control system will add value to the building thus protecting your investment
- You will save on installation and running costs, obtain rapid return on investment, and contribute to ecological protection objectives

Benefits for installers

Our systems have been designed to provide for an easy transition from existing units to the technologically advanced units that offer far higher energy efficiency solutions. With new compressors, heat exchangers and control systems available for installers to recommend and utilise in system upgrades to meet future regulations, the Sky Air series has been developed with the installer and his client in mind enabling him to provide much more than just an installation service. In reality, Sky Air offers the installer a competitive advantage by being able to recommend an extended 3-phase range, enhanced controllers and optical detection tools that all help deliver optimal performance, high seasonal efficiency, low ecological impact and significant cost savings.

These features provide the following benefits for Installers:

- Modular designs and factory fitted extras make installation easier to achieve

Benefits for consultant and design offices

Daikin has a long history of working closely with the consultants and design offices that recommend our equipment to deliver future-ready systems that meet the requirements of both the buildings and the legislation. Our systems are designed to meet the toughest of energy-efficiency, fiscal and compliance issues to allow flexibility for consultants and design offices in delivering absolute comfort in the most efficient manner, while our tools allow them to maximize building performance. The new Daikin Seasonal Smart system, with its adjustable condensing and evaporating temperatures, is a classic example of thinking ahead to ensure performance.

These features provide the following benefits for Consultants and Design Offices:

- You will have the confidence of knowing that you can recommend the right climate control systems to meet tomorrow's legislation
- You will have systems that are designed to blend into any décor and yet provide optimal performance with top seasonal efficiencies
- You will have access to innovative technology to maximize the climate control performance of the entire building
- Your credentials as an eco-conscious consultant and designer will be enhanced

Daikin leads the way: Seasonal series

Daikin again leads the industry with their full light commercial range optimised for seasonal efficiency, which already meets the very challenging 2014 ErP requirements.
Our Sky Air Seasonal series – **Seasonal Smart and Seasonal Classic** – offer at least 20% better performance than current existing inverter solutions and this is fully in line with 20/20/20 EU policy. This performance can be further enhanced with a smart use of unique Daikin options. The technology used gives very high levels of seasonal efficiency while maintaining or improving the comfort and flexibility features that make Daikin so unique.

Daikin has a solution for all your needs:

Seasonal Smart

- **Seasonal Smart** offers TOP seasonal efficiency. It meets the needs of projects requiring high flexibility such as longer piping lengths, a wider operating range or EDP applications. Efficiency and comfort can be further enhanced with selectable evaporating and condensing temperatures.

Seasonal Classic

- **Seasonal Classic** offers an effective solution for budget applications where less flexibility is required.

Seasonal efficiency …

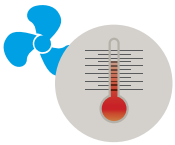
Smart use of energy

Challenging 20-20-20 environmental targets

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

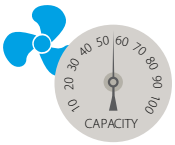
Major change: seasonal efficiency in line with real-life performance

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. Previous measurements reflected so-called nominal efficiency, a measurement of performance at one fixed outdoor temperature and with equipment running at full power. Since a cooling or heating season involves a range of outdoor temperatures (not just the one nominal temperature in the rating) and equipment is often only running at partial load, this old rating did not properly reflect actual performance.
The new method, seasonal efficiency, measures heating and cooling performance across a range of outdoor temperatures that give a better representation of actual efficiency over an entire heating or cooling season. Moreover, auxiliary modes such as stand-by mode are also taken into account in the new seasonal efficiency ratings. Thus seasonal efficiency gives a much better representation of the real performance of an air conditioner, in real-life conditions, across an entire season.



Temperature

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



Capacity

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

Auxiliary modes

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

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

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

To inform consumers concerning these new energy performance standards, Europe is also introducing a new energy label. The present European energy label, introduced in 1992, has had its effect. Consumers are able to compare and make purchasing decisions based on uniform labelling criteria. The new label that will come into force on 1 January 2013 will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.
The new energy label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels.

SEASONAL EFFICIENCY
Smart use of energy

Daikin leading the way to seasonal efficiency

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

Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been redesigned for optimum seasonal energy efficiency ahead of the latest legislation. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

Heating and cooling

Using highly **efficient heat pumps**, Sky Air solutions offer year round comfort:

- All systems now optimised for seasonal energy efficiency.
- A heat pump system can be combined with an outdoor unit powering several indoor units.
  - For a long or irregularly shaped room you can use up to four indoor units linked a single outdoor unit. All the indoor units are controlled at the same time.
  - Air conditioning is available in every room: a multi system allows up to nine different indoor units to operate from a single outdoor unit. All the indoor units can be individually controlled and do not need to be installed at the same time. Extra units can be added later.
- Select from a wide range of indoor units: wall and floor mounted, concealed or ceiling mounted.
- Very quiet and draught-free operation.
- Ideal for both new build and refurbishment projects.

Biddle air curtains for entrances

Biddle air curtains can be used with the Sky Air system to provide heating at building entrances.

Daikin Sky Air can be used with Biddle air curtains to provide heating at building entrances:

- Ideal for buildings with open-door policy such as retail stores.
- Year round climate control and comfort even on the most demanding days.

User-friendly controls

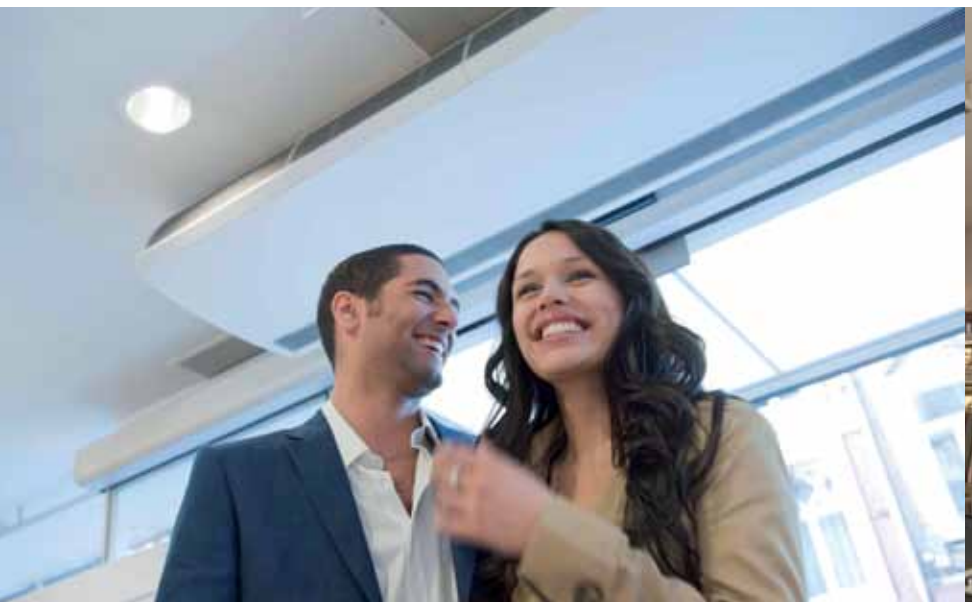
Our **user friendly controls** allows you to manage your Sky Air system for maximum efficiency:

- From individualised unit control to centralised management via touch-screen options and code based controllers, we put you in command at all times.
- The wired remote controller gives full access to the unit's functions and energy saving features, including indication of kWh usage and flexible scheduling for different seasons.
- The DIII-net connection is now standard on most units, allowing you to link into the wider building management system.
- Text based remote control and monitoring of the entire building is available via the internet.

Ventilation

Daikin's **ventilation** option provides a supply of fresh air to help create a healthy and high-quality indoor environment:

- Heat is reclaimed between outdoor and indoor air.
- The fresh air from the ventilation provides additional cooling virtually free.
- Optimum humidity control.



Sky Air the solution for the light commercial sector

Sky Air for retailers

- Creates an inviting atmosphere for your customers.
- Discreet with limited visual and operating impact.
- Reduces energy usage and costs.
- Worry-free installation.

Our **round flow cassettes** blend with your décor as they are **integrated in the ceiling** with only the standard panel visible. This standard panel is the secret to **increasing comfort levels** and providing the **perfect climate conditions** for your customers as the various flaps can be individually opened and closed to ensure that the heating and cooling are directed to where they are needed.
The standard panel is also the secret to reducing maintenance as it conceals the **auto cleaning function** that traps dust with a special filter that cleans itself once a day, while the collected dust can be easily removed with a vacuum cleaner. Up to 50% energy can be saved!
Managing this system couldn't be easier as our intelligent touch controller enables you to **monitor and control** the system directly or via the Internet. It can also be set to provide easy management of your electricity consumption and can even control the lighting, while enhanced scheduling will make your life easier.

Sky Air for offices and banks

The fully flat cassette is unique in the market thanks to its remarkable blend of iconic design and engineering excellence.
Blending seamlessly with the décor of a modern office and meeting the demanding criteria of architects, the fully flat cassette totally integrates within a standard European ceiling panel, enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.
These units are ideal for heating or cooling smaller areas such as meeting rooms, together with our round flow cassettes. Both can be combined with presence and floor sensors and even with our ventilation option, to optimise the energy efficiency and provide perfect comfort. The presence sensor adjusts the set point or switches the unit off when there is nobody in the room but when someone is there, the air-flow is directed away from that person to avoid draught. This combined process has been found to reduce energy usage. The floor sensor detects the average temperature near the floor and ensures an even temperature distribution between ceiling and floor. Cold feet become history!
Daikin's **ventilation** option provides a supply of fresh air to help create a healthy and high-quality indoor environment.
Using the KNX interface to connect your Sky Air system to the **building management** system allows central monitoring and control of several devices, including lights, shutters, and climate control systems as to maximize energy efficiency.

Sky Air for server rooms

- Continuous cooling operation.
  - Automatic rotation between active units.
  - Backup outdoor unit ensures continuous operation.
  - Possible to block certain settings.
- Quality products.

Servers, especially racks of servers, generate a great deal of heat and this needs to be removed through **continuous cooling and humidity control**. This presents special challenges that the Sky Air system easily meets with its special server room configuration. Each server room is fitted with two indoor units each connected to a single outdoor unit to ensure that if one outdoor unit fails, the other is there as an **automatic back up**. The indoor units are configured for constant cooling and duty rotation. This is achieved through **automatic switching between units** after certain period of use to ensure that at any time one unit is working while the other is available for maintenance.
Given the critical importance of continuous cooling for server rooms, the system is managed via an RTD-NET controller that can monitor and control up to 16 indoor units either directly or via the building management system and has a **'control of duty'** unit that locks the server room settings so that they cannot be changed by people in the server room.

Sky Air for restaurants

- Creates the perfect dining environment.
- Ensures an even temperature distribution to provide optimal comfort for your guests.
- Highly energy efficient.
- Uses intelligent control systems operated from one central location.

Nothing should distract diners from enjoying the **perfect ambience** and that ambience includes the **optimal temperature**. That's exactly what Daikin's concealed ceiling units deliver through whisper-quiet operation and improved comfort from the 3-step air flow control and these turn your restaurant into a comfortable, welcoming environment for your customers. And with the **centralised control** and easy scheduling for the entire restaurant system, **energy use** is minimised to control your running costs.

Products in the spotlight

Daikin offers now a **complete light commercial** range, optimised for seasonal efficiency!

			new	new				new
		FCQG / FCQHG	FFQ	FHQ	FBQ	FDQ	FAQ	FVQ	FUQ
									
RZQG-L Seasonal Smart		✓	✓	✓	✓	✓	✓	✓	✓
RZQSG-L Seasonal Classic		✓	✓	✓	✓	✓	✓	✓	

Seasonal outdoor units:

Seasonal Smart and Seasonal Classic products have been specially designed to offer a very high seasonal performance that already meets the 2014 ErP requirements.

Top efficiency:

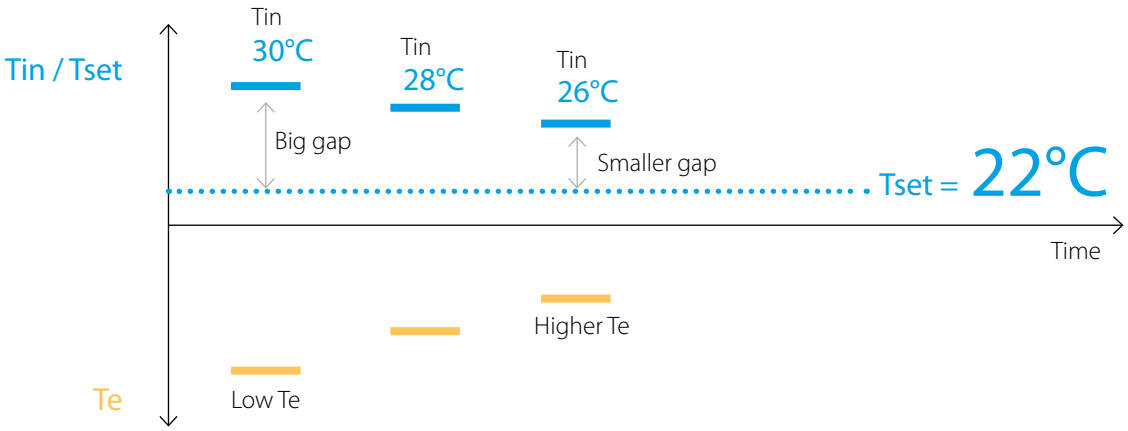
- New compressor that offers substantial efficiency improvements.
- New control logic
  - that optimises the efficiency at the most frequently encountered operating conditions.
  - that optimises the auxiliary modes (when the unit is not active).
- Newly designed heat exchangers optimise the refrigerant flow at the most frequent operating conditions (temperature and load) by reducing the piping diameter of the heat exchanger which leads to a a significant enhancement in energy efficiency.
- Additionally, these new seasonal outdoor models also offer an improved nominal performance.

Variable Refrigerant Temperature

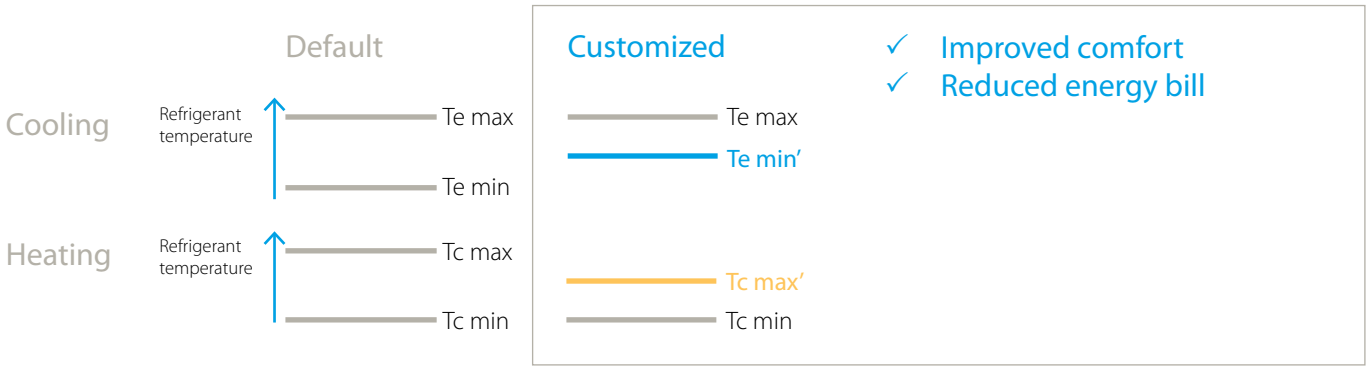
Variable Refrigerant Temperature

Did you know that all Daikin Sky Air systems operate with variable refrigerant temperature?

In cooling mode for example the system will automatically increase its evaporating temperature (Te) and consequently discharge temperature if the gap between the achieved indoor temperature (Tin) and the request indoor temperature (Tset) becomes smaller. This reduces the risk of cold draft and hence increases the customer comfort.



Seasonal Smart even adopts a special setting to further improve comfort & efficiency by offering the possibility to customize the boundaries of the evaporating (Te) or condensing (Tc) temperature limits. The perfect solution for those people looking for an even more comfortable indoor air climate & an even further reduction of their energy bill.



Seasonal Smart

Enhancement in efficiency and comfort thanks to selectable and variable refrigerant temperatures.

- Suits computer room applications (EDP).
- R-22/R-407C Replacement technology has been incorporated: replacement solutions deliver major energy savings, offering rapid payback and a cost-effective upgrade solution, phased for minimal downtime.
- Guarantees operation in heating mode down to -20°C.
- A 75m pipe run to achieve longer runs for installation.
- Compatibility with D-BACS – links your unit into the wider building management system.

Seasonal Classic

- R-22/R-407C Replacement technology has been incorporated: replacement solutions deliver major energy savings, offering rapid payback and a cost-effective upgrade solution, phased for minimal downtime.
- Guarantees operation in heating mode down to -15°C.
- A 50m pipe run to achieve longer runs for installation.

Air conditioning with smart use – User friendly remote controller BRC1E52A/B

A series of energy saving functions that can be individually selected

- Temperature range limit
- Improved setback function
- Presence & floor sensor connections (available on new round flow cassettes)
- Setting temperature auto reset
- Off timer
- kWh indication
- 3 weekly timers

→ Fully Flat Cassette: Design & Genius in one

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

Fully integrated, fully discreet

The concept our designers had in mind was for an unobtrusive cassette that blends seamlessly with the décor of a modern office while meeting the demanding criteria of architects for total integration within a standard European ceiling panel, enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles. The result is the fully flat cassette with its near flush fit, 4-way air distribution and special sensors to ensure the delivery of perfect comfort. Available in crystal white or crystal white and grey, the fully flat cassette is the perfect blend of design and function.

Differentiated by excellence

Sensor-driven comfort

To ensure perfect comfort the fully flat cassette is fitted with two optional sensors linked to an advanced controller.

The **'presence' sensor** detects when there are people in the room and it adjusts the temperature to the previously selected 'set point' thus establishing the perfect working conditions. When the sensor establishes that the room is empty, it can switch off the cassette so that the user is not wasting money on unnecessary heating or cooling. The sensor also adapts the direction of the airflow depending of where people are situated in the room, ensuring every individual's comfort at any time.

Because hot air rises, the natural temperature distribution in a room is for it to be warmer near the ceiling and cooler near the floor. The cassette's **'floor' sensor** detects the temperature difference and re-directs the airflow to ensure that the temperature distribution is even: cold feet are history!

Flexible solution

The need for flexible usage of space often means that temporary or permanent barriers are erected leaving the cassette close to a wall or in a corner with the resulting imbalances in airflow. Our advanced technology anticipates this and we have made it possible to use the controller to individually open or close any of the four flaps to restore optimal efficiency and to save on energy costs.

Silent comfort

The Fully Flat Cassette is amongst the quietest units in the market and, in addition to the sensors, has various functions that are designed to enhance the user's comfort and pleasure.

Air Quality

The quality of the air in the room is as important as the temperature and we have fitted advanced filters to remove dust particles to ensure the air is clean. In addition, a special programme allows the humidity levels to be reduced without variations in temperature.

Intuitive control

The Fully Flat Cassette's advanced controller provides the user with absolute control over their work environment. From setting the desired temperature to directing the airflow, from delivering the right temperature whenever the room is in use to ensuring that cold feet are history, from reconfiguring airflow to monitoring performance, the advanced controller is simple and intuitive to use. The large display screen and on-screen instructions combined with clearly marked function buttons give users total control enabling them to quickly set their desired conditions and to focus on the job at hand.

Top efficiency year-round

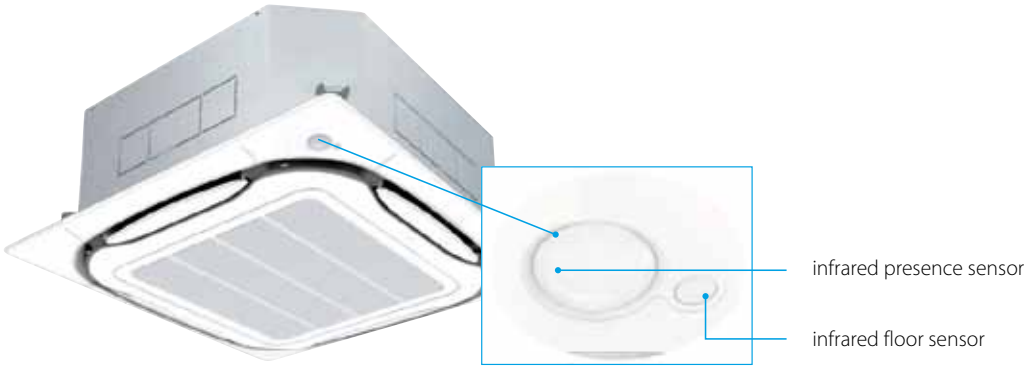
As with all Daikin products, this cassette delivers exceptional seasonal efficiency while the presence sensor has been shown to reduce energy consumption by around 27%*.

By using the controller to monitor performance and energy consumption, users can reduce their environmental impact while maintaining perfect working conditions.

*estimated

→ Round Flow Cassette : setting the standard for efficiency and comfort

The round flow cassettes FCQG and FCQHG-F series are designed for use in all forms and sizes of commercial offices and retail environments and provide you with a more energy efficient model.

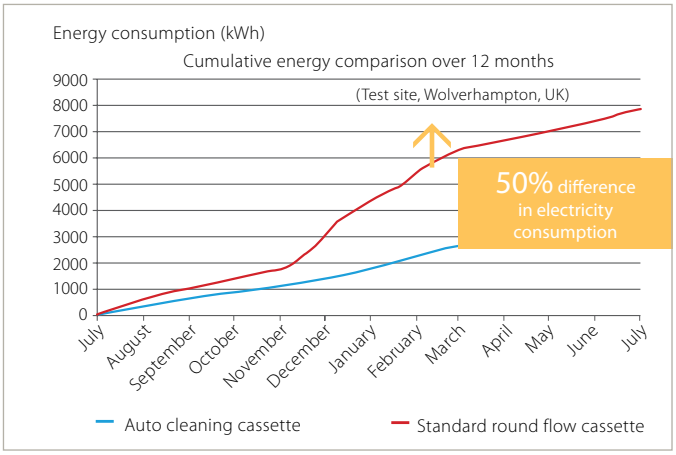


ROUND FLOW

Even more energy efficient ….

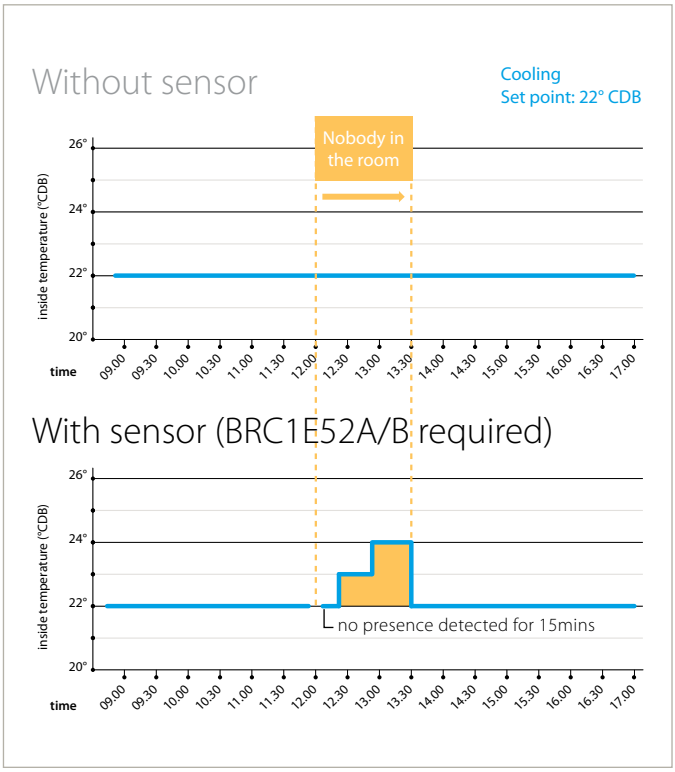
- Daikin was the first to launch an **auto cleaning Standard panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day.
- Maintenance of the filter is facilitated and so less time is required.
- Running costs are reduced compared to standard solutions: **up to 50% energy can be saved** thanks to daily filter cleaning (Wolverhampton, UK).

Auto-cleaning panel
saves up to 50%



- The optional **presence sensor** adjusts the temperature or switches off the unit when there is nobody in the room. Up to 27% energy can be saved with this new function.
- If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached. When selecting the setback function, the unit will maintain the temperature within a preset minimum and maximum temperature, when there is no presence detected in the room for 1 hour.
- Newly designed **heat exchanger** (diameter pipes are reduced to 5mm instead of 7mm), DC fan motor and DC drain pump enable even more energy to be saved.

Presence sensor
saves up to 27%*



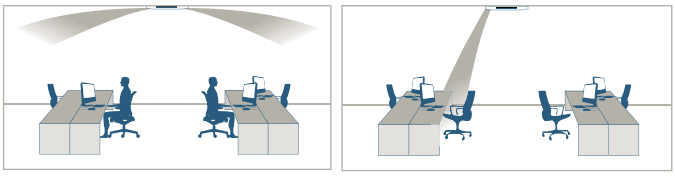
* estimated energy saving

… and improved comfort

- The unique **360° air flow** discharge pattern ensures a uniform temperature distribution across the room without dead corners.

The comfort can be further enhanced thanks to the optional sensors:

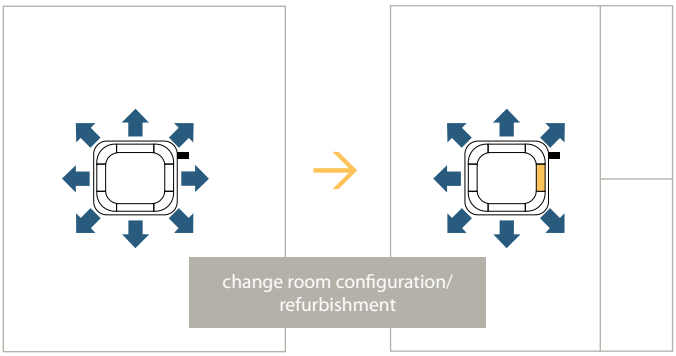
- The presence sensor allows air flow control. It directs the air away from any person detected in the room, when the air flow control is on.
- With the **floor sensor** having cold feet becomes history. This sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.



Flexible installation

The round flow cassette offers higher flexibility thanks to:

- The possibility of easily closing one flap via the wired remote controller (BRC1E52A/B - optional), to suit the room configuration. Optional closure kits are available as well.



Other features

- Standard DIII-net compatibility – link your cassette into the wider building management system.
- Fresh air intake possible (max. 20%).

Sky Air Product range

Product portfolio

Indoor units

Pair, twin, triple & double twin application

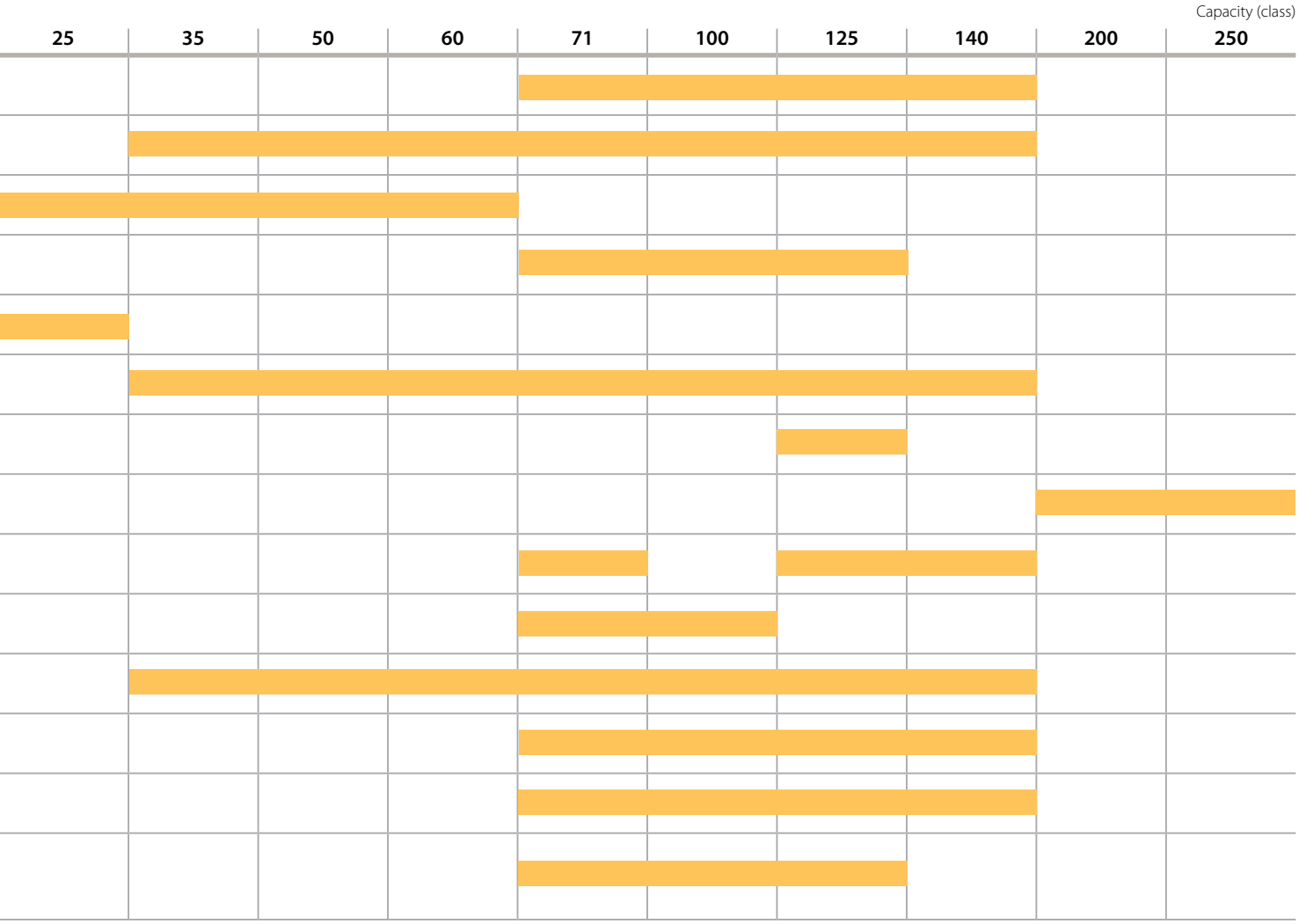
Type	Model	Product name	
Ceiling mounted cassette	High COP, round flow cassette Auto cleaning function [2], presence & floor sensor [2]	FCQHG-F	
	Round flow cassette Auto cleaning function [2], presence & floor sensor [2]	FCQG-F	
	Fully flat cassette presence & floor sensor [2]	FFQ-C	
	Siesta, 4-way blow ceiling mounted cassette	ACQ-B	
Concealed ceiling	Concealed ceiling unit	FDBQ-B	
	Inverter driven concealed ceiling unit	FBQ-C8 [1]	
	Large concealed ceiling unit	FDQ-C	
	Large concealed ceiling unit	FDQ-B [1]	
	Siesta, Concealed ceiling unit	ABQ-A/B	
Wall mounted	Wall mounted unit	FAQ-C	
Ceiling suspended	Ceiling suspended unit	FHQ-C	
	4-way blow ceilling suspended unit	FUQ-C	
	Siesta, Ceiling suspended cassette * No information available yet	AHQ-C	
Floor standing	Floor standing unit	FVQ-C	

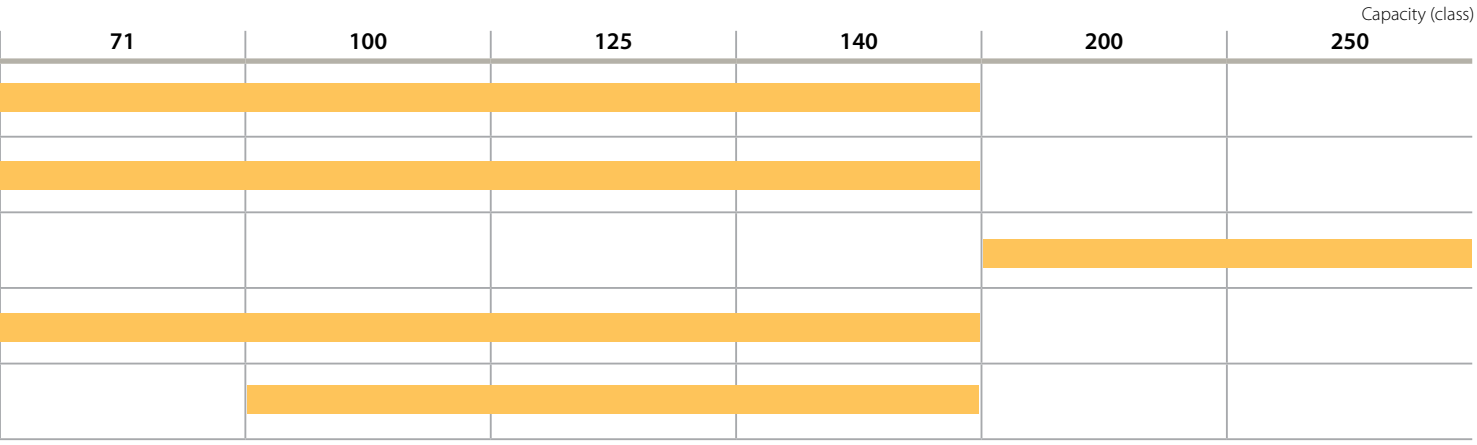
1) Twin, triple, double twin application is only possible up to 125 class
2) Optional

Outdoor units

Pair, twin, triple & double twin application

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


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


Capacity (class)
71
100
125
140
200
250

Product portfolio

Biddle standard air curtain range

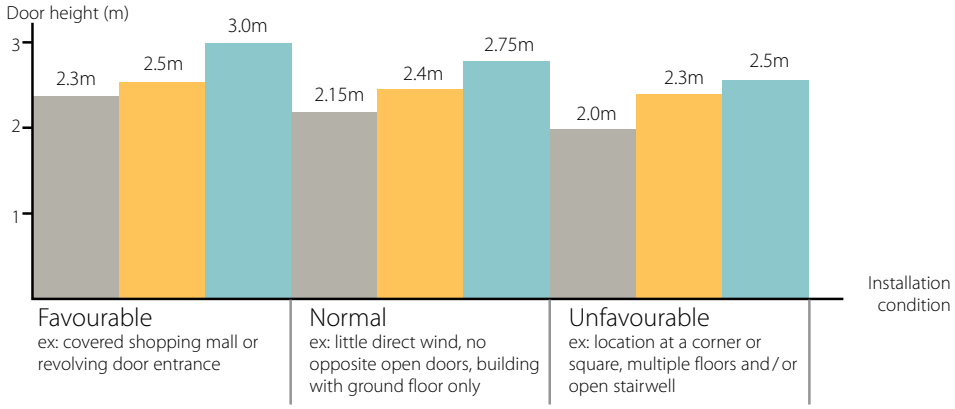
Type	Product name	
BIDDLE STANDARD AIR CURTAIN FREE HANGING	CYQ S/M/L-DK-F	
BIDDLE STANDARD AIR CURTAIN CASSETTE	CYQ S/M/L-DK-C	
BIDDLE STANDARD AIR CURTAIN RECESSED	CYQ S/M/L-DK-R	

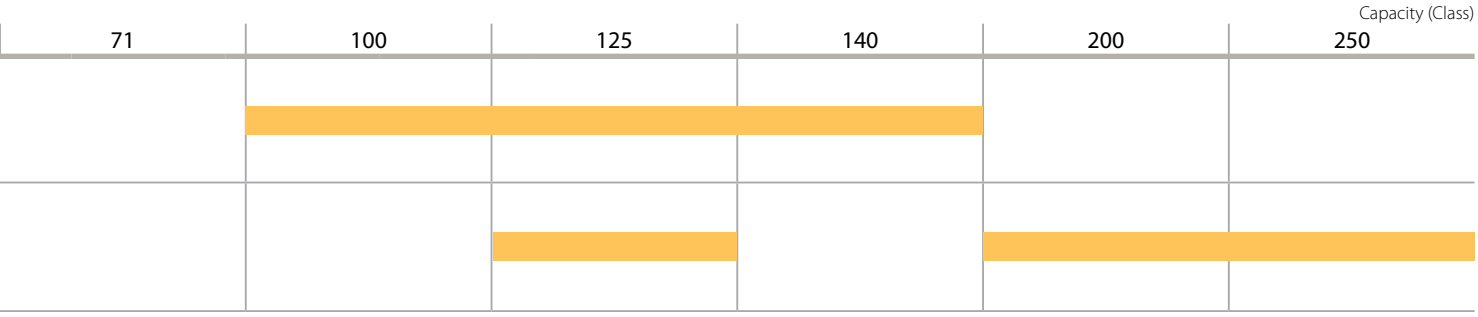
For connection with air handling units and biddle air curtain

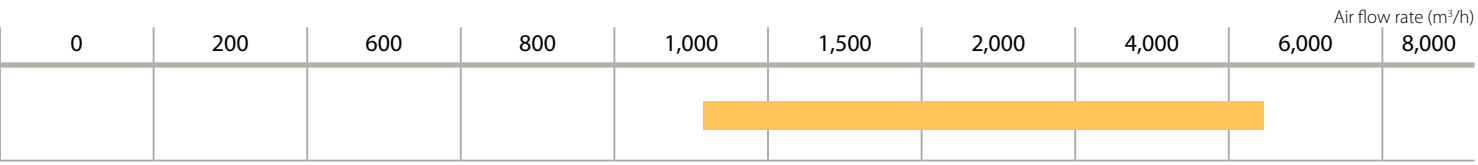
System	Type	Product name	
AIR COOLED	HEAT PUMP	ERQ-AV1 [1] Condensing Units	
		ERQ-AW1 [1] Condensing Units	

1) Only use the condensing units in combinations with an air handling unit.

Type	Product name	
ERQ AIR HANDLING APPLICATIONS	EKEXV-kit	


Door height (m)
3
2
1
2.3m
2.5m
3.0m
2.15m
2.4m
2.75m
2.0m
2.3m
2.5m
Installation condition
Favourable
ex: covered shopping mall or revolving door entrance
Normal
ex: little direct wind, no opposite open doors, building with ground floor only
Unfavourable
ex: location at a corner or square, multiple floors and / or open stairwell


Capacity (Class)
71
100
125
140
200
250


Air flow rate (m³/h)
0
200
600
800
1,000
1,500
2,000
4,000
6,000
8,000

Benefits overview Sky Air

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

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

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

FCQG35-60F

RXS35K

BRC1E52A/B BRC7F532F

ROUND FLOW

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

Heating & Cooling

INDOOR UNIT					FCQG35F	FCQG50F	FCQG60F
Cooling capacity	Min./Nom./Max.			kW	-/3.4/-	-/5.0/-	-/5.7/-
Heating capacity	Min./Nom./Max.			kW	-/4.2/-	-/6.0/-	-/7.00/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A+	A+
		Pdesign		kW	3.50	5.00	5.70
		SEER			5.34	5.89	5.74
		Annual energy consumption		kWh	230	297	347
	Heating (Average climate)	Energy label			A++	A+	A
		Pdesign		kW	3.32	4.36	4.71
		SCOP			4.74	4.24	3.87
		Annual energy consumption		kWh	981	1,442	1,702
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.55	3.48
	COP				5.34	3.70	3.52
	Annual energy consumption			kWh	475	705	820
	Energy label	Cooling/Heating			A/B	A/A	A/B
Casing	Colour				-		
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Decoration panel	Model				BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1		
	Colour				Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth		mm	60x950x950/60x950x950/145x950x950		
	Weight			kg	5.4/5.4/10.3		
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Heating	High/Nom.		m^3/min	12.5/10.6	12.6/10.7	13.6/11.2
Sound power level	Cooling	High		dBA	49		51
	Heating	High		dBA	49		51
Sound pressure level	Cooling	High/Nom./Low		dBA	31/29/27		33/31/28
	Heating	High/Nom./Low		dBA	31/29/27		33/31/28
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

OUTDOOR UNIT					RXS35K	RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	47	47
Fan - Air flow rate	Cooling	High/Low		m^3/min	36.0/30.1	50.9/48.9	50.9/42.4
	Heating	High/Low		m^3/min	28.3/25.6	45.0/43.1	46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~18	-15~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	10	20	20

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

FCQG100-140F

RZQG100-140L7V1/LY1

BRC1E52A/B BRC7AF532F

ROUND FLOW

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

Heating & Cooling

Seasonal Smart

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

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

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

FCQG-F / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

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

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

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

FCQHG71-140F

RZQG100-140L7V1/LY1

BRC1E52A/B BRC7F532F

ROUND FLOW

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

Heating & Cooling

Seasonal Smart

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

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

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

FCQHG-F / RZQSG-LV1/LY1

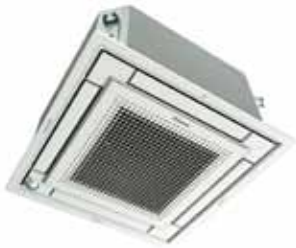
Heating & Cooling

Seasonal Classic

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

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

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



FFQ-C (white panel)

FFQ-C (silver and white panel)

RXS25-35K

BRC1E52A/B BRC7F530W

SEASONAL EFFICIENCY

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

Heating & Cooling

INDOOR UNIT				*FFQ25C	*FFQ35C	*FFQ50C	*FFQ60C
Cooling capacity	Min./Nom./Max.		kW	-/2.5/-	-/3.4/-	-/5.0/-	-/5.7/-
Heating capacity	Min./Nom./Max.		kW	-/3.2/-	-/4.2/-	-/5.8/-	-/7.0/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A	A+	A+	A+
		Pdesign	kW	2.5	3.4	5.0	5.7
		SEER		5.25	5.60	5.70	5.60
		Annual energy consumption	kWh	168	210	302	354
	Heating (Average climate)	Energy label		A+	A+	A+	A+
		Pdesign	kW	2.31	3.45	3.84	3.96
		SCOP		4.12	4.09	4.10	4.17
		Annual energy consumption	kWh	728	1,151	1,316	1,317
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			4.50	3.70	3.21	3.01
	COP			3.80	3.41	3.50	3.41
	Annual energy consumption		kWh	280	460	780	945
	Energy label	Cooling/Heating		A/A	A/B	A/B	B/B
Casing	Colour			to be confirmed	to be confirmed	to be confirmed	to be confirmed
Dimensions	Unit	HeightxWidthxDepth	mm	260x575x575	260x575x575	260x575x575	260x575x575
Weight	Unit		kg	17.5	17.5	17.5	17.5
Decoration panel	Model			BYFQ60CW/BYFQ60CS/BYFQ60B2			
	Colour			Fresh White (N9.5)/Fresh white (N9.5) + Silver (B471)/Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth	mm	46x620x620/46x620x620/55x700x700			
	Weight		kg	2.7/2.7/2.7			
Fan - Air flow rate	Cooling	High/Nom./Low	m^3/min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5
Sound power level	Cooling	Nom.	dBA	48	51	56	60
Sound pressure level	Cooling	High/Nom./Low	dBA	31/28/25	34/30/25	39/34/27	43/40/32
Piping connections	Liquid	OD	mm	6.35	6.35	6.35	6.35
	Gas	OD	mm	9.5	9.5	12.7	12.7
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

OUTDOOR UNIT				RXS25K	RXS35K	RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight	Unit		kg	34	34	47	47
Fan - Air flow rate	Cooling	High/Low	m^3/min	33.5/30.1	36.0/30.1	50.9/48.9	50.9/42.4
	Heating	High/Low	m^3/min	28.3/25.6	28.3/25.6	45.0/43.1	46.3/42.4
Sound power level	Cooling	Nom./High	dBA	-/61	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low/Silent operation	dBA	46/-/43	48/44/-	48/44/-	49/46/-
	Heating	High/Low/Silent operation	dBA	47/-/44	48/45/-	48/45/-	49/46/-
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient Min.~Max.	°CWB	-15~18	-15~18	-15~18	-15~18
Refrigerant	Type/GWP			R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU Max.	m	20	20	30	30
	Level difference	IU - OU Max.	m	15	15	20	20
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)		A	10	10	20	20

*Note: grey cells contain preliminary data

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

FBQ100-140C8

RZQG100-140L7V1/LY1

BRC1E52A/B BRC4C65

SEASONAL EFFICIENCY
Smart use of energy

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

Heating & Cooling

Seasonal Smart

INDOOR UNIT					FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A+		-		A+		-
		Pdesign		kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER			5.11	5.61		-		5.61		-
		Annual energy consumption		kWh	466	593	749	-	424	593	749	-
	Heating (Average climate)	Energy label			A	A+		-	A+	A+		-
		Pdesign		kW	6.0	11.3	12.7	-	6.00	11.3	12.7	-
		SCOP			3.81	4.25	4.05	-	4.01	4.25	4.05	-
		Annual energy consumption		kWh	2,202	3,724	4,377	-	2,095	3,724	4,377	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.28	3.89	3.81	3.33	3.50	3.89	3.81	3.33
	COP				3.61	4.21	3.83	3.61	3.65	4.21	3.83	3.61
	Annual energy consumption			kWh	1,037	1,220	1,575	2,010	970	1,220	1,575	2,010
	Energy label	Cooling/Heating			A/A							
Casing	Colour				-							
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700	300x1,400x700			300x1,000x700	300x1,400x700		
Required ceiling void >				mm	350							
Weight	Unit			kg	34	45			34	45		
Decoration panel	Model				BYBS71DJW1	BYBS125DJW1			BYBS71DJW1	BYBS125DJW1		
	Colour				White (10Y9/0.5)							
	Dimensions	HeightxWidthxDepth		mm	55x1,100x500	55x1,500x500			55x1,100x500	55x1,500x500		
	Weight			kg	4.5	6			4.5	6		
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/15	32/23	39/28		18/15	32/23	39/28	
	Heating	High/Nom.		m^3/min	18/-	32/-	39/-	41/-	18/-	32/-	39/-	41/-
Fan - External static pressure	High/Nom.			Pa	100/30	120/40	120/50		100/30	120/40	120/50	
Sound power level	Cooling	Nom.		dBA	57	61	66		57	61	66	
Sound pressure level	Cooling	High/Low		dBA	37/29	38/32	40/33		37/29	38/32	40/33	
	Heating	High/Low		dBA	37/29	38/32	40/33	41/34	37/29	38/32	40/33	41/34
Piping connections	Liquid	OD		mm	9.52							
	Gas	OD		mm	15.9							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

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

(1) EER/COP according to Eurovent 2012

FBQ-C8 / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

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

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

(1) EER/COP according to Eurovent 2012

FBQ-C8 / RXS-K/F

Concealed ceiling unit with inverter driven fan

FBQ35-50C8

RXS35

BRC1E52A/B BRC4C65

SEASONAL EFFICIENCY
Smart use of energy

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

Heating & Cooling

INDOOR UNIT					FBQ35C8	FBQ50C8	FBQ60C8
Cooling capacity	Min./Nom./Max.			kW	-/3.40/-	-/5.00/-	-/5.70/-
Heating capacity	Min./Nom./Max.			kW	-/4.00/-	-/5.50/-	-/7.00/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			C	B	A
		Pdesign		kW	3.50	4.90	6.00
		SEER			4.33	4.96	5.17
		Annual energy consumption		kWh	283	346	406
	Heating (Average climate)	Energy label			A	A	A
		Pdesign		kW	2.90	4.50	4.80
		SCOP			3.56	3.53	3.43
		Annual energy consumption		kWh	1,141	1,782	1,960
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.21	3.03	3.26
	COP				3.51	3.42	3.71
	Annual energy consumption			kWh	530	825	875
	Energy label	Cooling/Heating			A/B	B/B	A/B
Casing	Colour				Not painted (galvanised)		
Dimensions	Unit	HeightxWidthxDepth		mm	300x700x700		300x1,000x700
Required ceiling void >				mm	350		
Weight	Unit			kg	25		34
Decoration panel	Model				BYBS45DJW1		BYBS71DJW1
	Colour				White (10Y9/0.5)		
	Dimensions	HeightxWidthxDepth		mm	55x800x500		55x1,100x500
	Weight			kg	3		4.5
Fan - Air flow rate	Cooling	High/Low		m^3/min	16/11		18/15
	Heating	High/Nom.		m^3/min	16/-		18/-
Fan - External static pressure	High/Nom.			Pa	100/30		
Sound power level	Cooling	Nom.		dBA	63		57
Sound pressure level	Cooling	High/Low		dBA	37/29		
	Heating	High/Low		dBA	37/29		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220		

OUTDOOR UNIT					RXS35K	RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	47	47
Fan - Air flow rate	Cooling	High/Low		m^3/min	36.0/30.1	50.9/48.9	50.9/42.4
	Heating	High/Low		m^3/min	28.3/25.6	45.0/43.1	46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~18	-15~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	10	20	20

(1) EER/COP according to Eurovent 2012

FDBQ25B

BRC1E52A/B

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

Heating & Cooling

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

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

FDQ-C/RZQG-L7V1/LY1, RZQSG-LV1/LY1 Concealed ceiling unit

FDQ125C

RZQG125L7V1/LY1

BRC1E52A/B

SEASONAL EFFICIENCY
Smart use of energy

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

Heating & Cooling

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

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

(1) EER/COP according to Eurovent 2012

FDQ200-250B

RZQ200-250C

BRC1E52A/B

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

Heating & Cooling

Super Inverter

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

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

(1) EER/COP according to Eurovent 2012

FAQ-C / RZQG-L7V1/LY1

Wall mounted unit

FAQ100C

RZQG100L7V1/LY1

BRC1E52A/B BRC7AF532F

SEASONAL EFFICIENCY
Smart use of energy

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

Heating & Cooling

Seasonal Smart

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

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

(1) EER/COP according to Eurovent 2012

FAQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

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

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

(1) EER/COP according to Eurovent 201

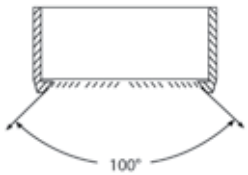
FHQ100-140C

RZQG100-140L7V1/LY1

BRC1E51A/B BRC7GA53

SEASONAL EFFICIENCY
Smart use of energy

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



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

Heating & Cooling

Seasonal Smart

INDOOR UNIT				FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ71C	FHQ100C	FHQ125C	FHQ140C
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	A+	A	-	A+	A+	A	-
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER		5.85	5.69	5.21	-	5.85	5.69	5.21	-
		Annual energy consumption	kWh	407	584	806	-	407	584	806	-
	Heating (Average climate)	Energy label		A	A+	A+	-	A	A+	A+	-
		Pdesign	kW	7.60	11.30	14.13	-	7.60	11.30	14.13	-
		SCOP		3.95	4.30	4.23	-	3.95	4.30	4.23	-
		Annual energy consumption	kWh	2,684	3,681	4,677	-	2,684	3,680	4,677	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.82	4.13	3.52	3.31	3.82	4.13	3.52	3.31
	COP			4.13	4.42	3.89	3.63	4.13	4.42	3.89	3.63
	Annual energy consumption		kWh	890	1,245	1,790	2,025	890	1,245	1,790	2,025
	Energy label	Cooling/Heating		A/A	A/A	A/A	A/A	A/A	A/A	A/A	A/A
Casing	Colour			Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690
Weight	Unit		kg	32	38	38	38	32	38	38	38
Fan - Air flow rate	Cooling	High/Nom./Low	m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	20.5/17/14	28/24/20	31/27/23	34/29/24
	Heating	High/Nom.	m^3/min	20.5/17	28/24	31/27	34/29	20.5/17	28/24	31/27	34/29
Sound power level	Cooling	High/Nom./Low	dBA	55/53/51	60/56/52	62/59/55	64/60/56	55/53/51	60/56/52	62/59/55	64/60/56
	Heating	High/Nom./Low	dBA	55/53/51	60/56/52	62/59/55	64/60/56	55/53/51	60/56/52	62/59/55	64/60/56
Sound pressure level	Cooling	High/Nom./Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD	mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD	mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

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

(1) EER/COP according to Eurovent 2012

FHQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

INDOOR UNIT					FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ100C	FHQ125C	FHQ140C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A	B		A	B	
		Pdesign		kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER			5.11	5.11	4.61	-	5.11	4.61	-
		Annual energy consumption		kWh	466	651	911	-	651	911	-
	Heating (Average climate)	Energy label			A	A	A	-	A	A	-
		Pdesign		kW	7.60	7.60	7.60	-	7.60	7.60	-
		SCOP			3.81	3.80	3.81	-	3.80	3.81	-
		Annual energy consumption		kWh	2,792	2,799	2,791	-	2,799	2,791	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.46	3.21	2.89	3.01	3.21	2.89	3.01
	COP				4.00	3.61	3.62	3.41	3.61	3.62	3.41
	Annual energy consumption			kWh	983	1,480	2,075	2,225	1,480	2,075	2,225
	Energy label	Cooling/Heating			A/A	A/A	C/A	B/B	A/A	C/A	B/B
Casing	Colour				Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690	235x1,590x690
Weight	Unit			kg	32	38	38	38	38	38	38
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24
	Heating	High/Nom.		m^3/min	20.5/17	28/24	31/27	34/29	28/24	31/27	34/29
Sound power level	Cooling	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56
	Heating	High/Nom./Low		dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56
Sound pressure level	Cooling	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
	Heating	High/Nom./Low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38
Piping connections	Liquid	OD		mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD		mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

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

(1) EER/COP according to Eurovent 2012

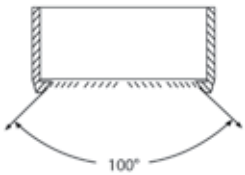
FHQ35-50C

RXS35K

BRC1E52A/B BRC7GA53

SEASONAL EFFICIENCY
Smart use of energy

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



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

Heating & Cooling

INDOOR UNIT					FHQ35C	FHQ50C	FHQ60C
Cooling capacity	Min./Nom./Max.			kW	-/3.40/-	-/5.00/-	-/5.70/-
Heating capacity	Min./Nom./Max.			kW	-/4.00/-	-/6.00/-	-/7.20/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	A	A
		Pdesign		kW	3.40	5.00	7.20
		SEER			4.89	5.48	5.54
		Annual energy consumption		kWh	243	320	360
	Heating (Average climate)	Energy label			A	A	A
		Pdesign		kW	3.10	4.35	5.07
		SCOP			3.98	3.74	3.50
		Annual energy consumption		kWh	1,090.75	1,627.83	2,026.36
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.58	3.18	3.26
	COP				3.96	3.35	3.32
	Annual energy consumption			kWh	475	785	875
	Energy label	Cooling/Heating			A/A	B/C	A/C
Casing	Colour				Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x960x690	235x1,270x690
Weight	Unit			kg	24	25	31
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	14/11.5/10	15/12/10	19.5/15/11.5
	Heating	High/Nom.		m^3/min	14/11.5	15/12	19.5/15
Sound power level	Cooling	High/Nom./Low		dBA	53/51/48	54/52/49	54/52/50
	Heating	High/Nom./Low		dBA	53/51/48	54/52/49	54/52/50
Sound pressure level	Cooling	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
	Heating	High/Nom./Low		dBA	36/34/31	37/35/32	37/35/33
Piping connections	Liquid	OD		mm	6.35	6.35	6.35
	Gas	OD		mm	9.52	12.70	12.70
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

OUTDOOR UNIT					RXS35K	RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	735x825x300
Weight	Unit			kg	34	47	47
Fan - Air flow rate	Cooling	High/Low		m^3/min	36.0/30.1	50.9/48.9	50.9/42.4
	Heating	High/Low		m^3/min	28.3/25.6	45.0/43.1	46.3/42.4
Sound power level	Cooling	Nom./High		dBA	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low		dBA	48/44	48/44	49/46
	Heating	High/Low		dBA	48/45	48/45	49/46
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~18	-15~18
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max.	m	20	30	30
	Level difference	IU - OU	Max.	m	15	20	20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	10	20	20

(1) EER/COP according to Eurovent 2012

FUQ-C / RZQG-L7V1/LY1

4-way blow ceiling suspended unit

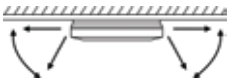
FUQ71-125C

RZQG100-125L7V1/LY1

BRC1E52A/B BRC7CB528

SEASONAL EFFICIENCY
Smart use of energy

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



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

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

Heating & Cooling

Seasonal Smart

INDOOR UNIT					FUQ71C	FUQ100C	FUQ125C	FUQ71C	FUQ100C	FUQ125C
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.0/-	-/6.8/-	-/9.5/-	-/12.0/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/7.5/-	-/10.8/-	-/13.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+	B	A++	A+	B
		Pdesign		kW	6.80	9.50	12.00	6.80	9.50	12.00
		SEER			6.23	5.62	5.03	6.23	5.62	5.03
		Annual energy consumption		kWh	382	592	835	382	592	835
	Heating (Average climate)	Energy label			A+	A	A+	A+	A	A+
		Pdesign		kW	7.60	11.30	14.13	7.60	11.30	14.13
		SCOP			4.08	3.93	4.44	4.08	3.93	4.44
		Annual energy consumption		kWh	2,607	4,027	4,456	2,607	4,027	4,456
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.07	4.08	3.40	4.07	4.08	3.40
	COP				4.47	4.04	4.04	4.47	4.04	4.04
	Annual energy consumption			kWh	840	1,230	1,770	840	1,230	1,770
	Energy label	Cooling/Heating			A/A	A/A	A/A	A/A	A/A	A/A
Casing	Colour				Fresh White	Fresh White	Fresh White	Fresh White	Fresh White	Fresh White
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	198x950x950	198x950x950	198x950x950	198x950x950	198x950x950
Weight	Unit			kg	25	26	26	25	26	26
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
	Heating	High/Nom.		m^3/min	23/19.5	31/25.5	32.5/26.5	23/19.5	31/25.5	32.5/26.5
Sound power level	Cooling	High/Nom./Low		dBA	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
	Heating	High/Nom./Low		dBA	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
Sound pressure level	Cooling	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
	Heating	High/Nom./Low		dBA	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
Piping connections	Liquid	OD		mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	OD		mm	15.9	15.9	15.9	15.9	15.9	15.9
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220	1~ / 50/60 / 220-240/220

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

(1) EER/COP according to Eurovent 2012

FVQ-C / RZQG-L7V1/LY1

Floor standing unit

FVQ100-140C

RZQG100-140L7V1/LY1

BRC1E52A/B

SEASONAL EFFICIENCY

Smart use of energy

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

Heating & Cooling

Seasonal Smart

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

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

(1) EER/COP according to Eurovent 2012

FVQ-C / RZQSG-LV1/LY1

Heating & Cooling

Seasonal Classic

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

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

(1) EER/COP according to Eurovent 2012

ACQ-B/AZQS-BV1/BY1

4-way blow ceiling mounted cassette

ACQ-B

AZQS-BV1/BY1

ARCWLA

SEASONAL EFFICIENCY

Siesta

- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Air can be discharged in any of 4 directions
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance

Heating & Cooling

INDOOR UNIT					ACQ71B	ACQ100B	ACQ125B	ACQ100B	ACQ125B
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/9.5/-	-/12.1/-	-/9.5/-	-/12.1/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/10.8/-	-/13.5/-	-/10.8/-	-/13.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B		-	B	-
		Pdesign		kW	6.80	9.50	-	9.50	-
		SEER			4.65		-	4.65	-
		Annual energy consumption		kWh	512	715	-	715	-
	Heating (Average climate)	Energy label			A		-	A	-
		Pdesign		kW	6.33	7.60	-	7.60	-
		SCOP			3.41	3.47	-	3.47	-
		Annual energy consumption		kWh	2,599	3,066	-	3,066	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.31	3.21	3.01	3.21	3.01
	COP				3.61		3.41	3.61	3.41
	Annual energy consumption			kWh	1,025	1,480	2,010	1,480	2,010
	Energy label	Cooling/Heating			A/A		B/B	A/A	B/B
Casing	Colour				-				
Dimensions	Unit	HeightxWidthxDepth		mm	265x820x820	300x820x820			
Weight	Unit			kg	31	39			
Decoration panel	Colour				White				
	Dimensions	HeightxWidthxDepth		mm	82x990x990				
	Weight			kg	4				
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m^3/min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
	Heating	High/Nom./Low/Silent operation		m^3/min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
Fan - External static pressure	High/Nom./Low			Pa	0/0/0				
Sound power level	Cooling	High/Nom./Low		dBA	54/50/48	56/54/53	60/56/54	56/54/53	60/56/54
	Heating	High/Nom./Low		dBA	54/50/48	56/54/53	60/56/54	56/54/53	60/56/54
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/41	44/41/38/36	47/44/43/41
	Heating	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/41	44/41/38/36	47/44/43/41
Piping connections	Liquid	OD		mm	9.52				
	Gas	OD		mm	15.88				
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				

OUTDOOR UNIT					AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS100BY1	AZQS125BYV1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	67	81		82	
Fan - Air flow rate	Cooling	Nom.		m^3/min	52.0	76	77	76	77
	Heating	Nom.		m^3/min	48.0	83			
Sound power level	Cooling	Nom.		dBA	64	70	71	70	71
Sound pressure level	Cooling	Nom./Silent operation		dBA	48/43	53/-	54/-	53/-	54/-
	Heating	Nom.		dBA	50	57	58	57	58
	Night quiet mode	Level 1		dBA	-	49			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0				
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5				
Refrigerant	Type/GWP				R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	m	30	50			
		System	Equivalent	m	40	70			
	Level difference	IU - OU	Max.	m	15.0	30.0			
		IU - IU	Max.	m	-	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	-			

(1) EER/COP according to Eurovent 2012

ABQ71B

AZQS71BV1

ARCWA

SEASONAL EFFICIENCY

Siesta

- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a narrow ceiling void
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance

Heating & Cooling

INDOOR UNIT					ABQ71B	ABQ125A	ABQ140A	ABQ125A	ABQ140A
Cooling capacity	Min./Nom./Max.			kW	-/6.8/-	-/12.1/-	-/13.0/-	-/12.1/-	-/13.0/-
Heating capacity	Min./Nom./Max.			kW	-/7.5/-	-/13.5/-	-/15.5/-	-/13.5/-	-/15.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			B	-			
		Pdesign		kW	6.80	-			
		SEER			4.65	-			
		Annual energy consumption		kWh	512	-			
	Heating (Average climate)	Energy label			A	-			
		Pdesign		kW	6.33	-			
		SCOP			3.41	-			
		Annual energy consumption		kWh	2,599	-			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.01	2.91	3.01	2.91	3.01
	COP				3.61	3.41			
	Annual energy consumption			kWh	1,130	2,079	2,159	2,079	2,159
	Energy label	Cooling/Heating			B/A	C/B	B/B	C/B	B/B
Casing	Colour				-	-			
Dimensions	Unit	HeightxWidthxDepth		mm	285x1,007x600	378x1,388x541	378x1,588x541	378x1,388x541	378x1,588x541
Weight	Unit			kg	35	50.0	56.0	50.0	56.0
Fan - Air flow rate	Cooling	High/Nom./Low		m^3/min	18.3/17.0/15.6	-			
	Heating	High/Nom./Low operation		m^3/min	18.3/17.0/15.6	1,430/-	1,720/-	1,430/-	1,720/-
Fan - External static pressure	Super high/High/Nom./Low			Pa	-/88/76/63	147/126/109/92	147/120/90/69	147/126/109/92	147/120/90/69
Sound power level	Cooling	Super high/High/Nom./Low		dBA	-/64/59/54	78/76/73/70	79/78/75/71	78/76/73/70	79/78/75/71
	Heating	High/Nom./Low		dBA	64/59/54	76/73/70	78/75/71	76/73/70	78/75/71
Sound pressure level	Cooling	Super high/High/Nom./Low		dBA	-	53/52/50/47	55/53/50/47	53/52/50/47	55/53/50/47
	Heating	High/Nom./Low		dBA	-	52/50/47	53/50/47	52/50/47	53/50/47
Piping connections	Liquid	OD		mm	9.52				
	Gas	OD		mm	15.88				
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	1~ / 50 / 230			

OUTDOOR UNIT					AZQS71BV1	AZQS125BV1	AZQS140BV1	AZQS125BV1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	67	81	102	82	101
Fan - Air flow rate	Cooling	Nom.		m^3/min	52.0	77	83	77	83
	Heating	Nom.		m^3/min	48.0	83	62	83	62
Sound power level	Cooling	Nom.		dBA	64	71	70	71	70
Sound pressure level	Cooling	Nom./Silent operation		dBA	48/43	54	53	54	53
	Heating	Nom.		dBA	50	58	54	58	54
	Night quiet mode	Level 1		dBA	-	49			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0				
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5				
Refrigerant	Type/GWP				R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	m	30	50			
		System	Equivalent	m	40	70			
	Level difference	IU - OU	Max.	m	15.0	30.0			
		IU - IU	Max.	m	-	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	-			

(1) EER/COP according to Eurovent 2012

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

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

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

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

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

Seasonal Smart

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

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

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

Seasonal Classic

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

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

Heating & Cooling

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

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

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

Heating & Cooling

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

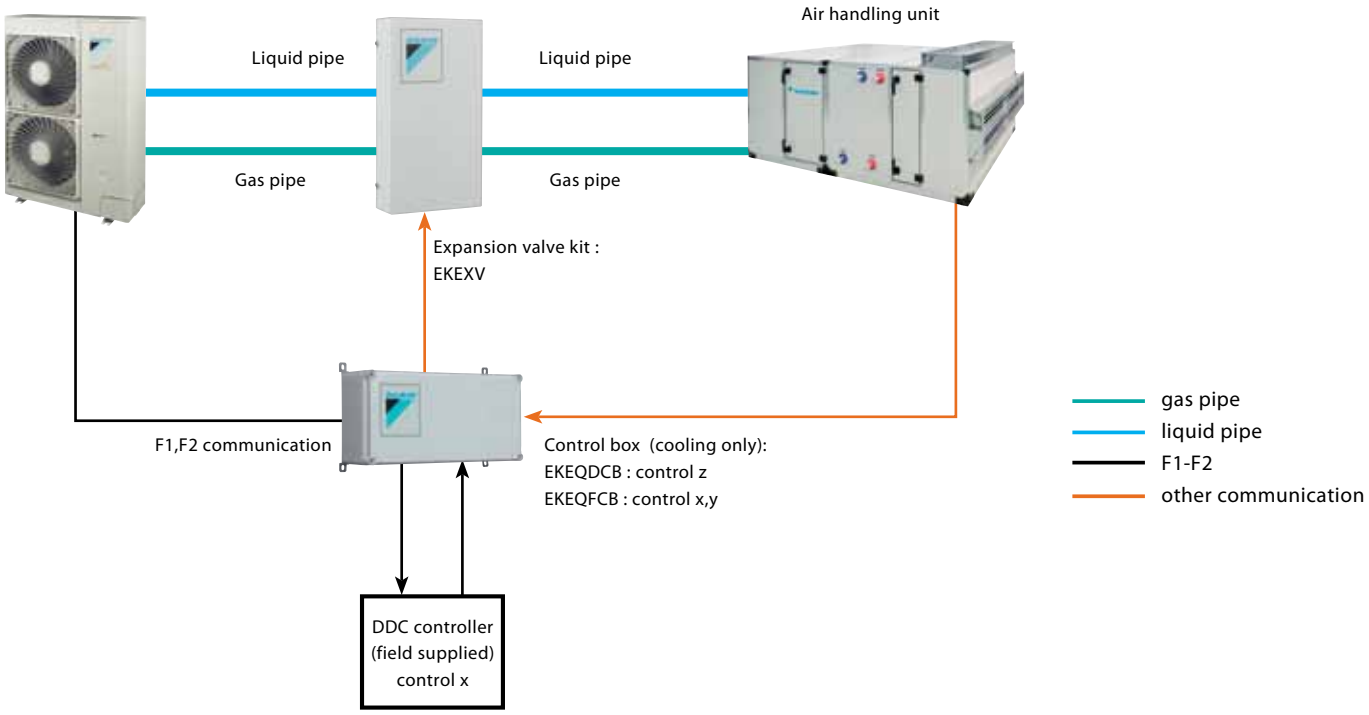
OUTDOOR UNIT					RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	12.6	14.0	15.5
Heating capacity	Nom.			kW	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53
	Heating	Nom.		kW	3.12	3.86	4.57
EER					3.89	3.99	3.42
COP					4.55	4.15	3.94
Maximum number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

(1) EER/COP according to Eurovent 2012

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

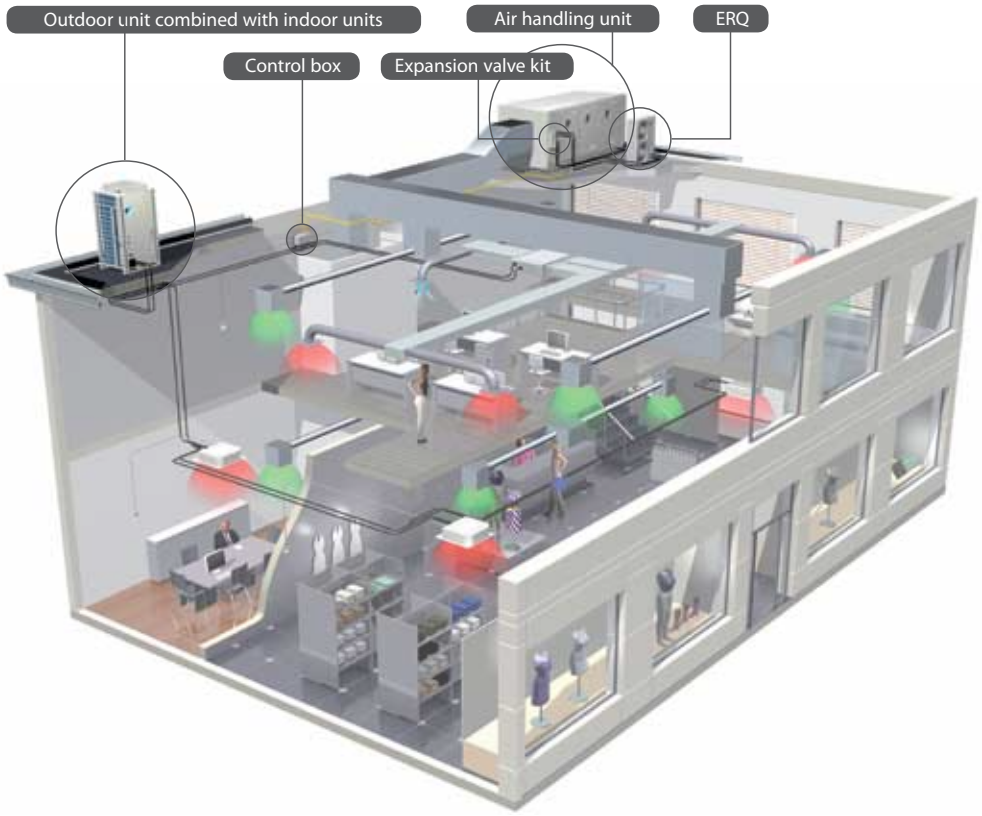
A range of R-410A inverter condensing units for pair application with air handling units.

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



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

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



VENTILATION					ERQ100AV1	ERQ125AV1	ERQ140AV1
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	11.2	14.0	15.5
Heating capacity	Nom.			kW	12.5	16.0	18.0
Power input	Cooling	Nom.		kW	2.81	3.51	4.53
	Heating	Nom.		kW	2.74	3.86	4.57
EER					3.99		3.42
COP					4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
Fan-Air flow rate	Cooling	Nom.		m^3/min	106		
	Heating	Nom.		m^3/min	102	105	
Sound power level	Cooling	Nom.		dBA	66	67	69
Sound pressure level	Cooling	Nom.		dBA	50	51	53
	Heating	Nom.		dBA	52	53	55
Operation range	Cooling	Min./Max.		°CDB	-5/46		
	Heating	Min./Max.		°CWB	-20/15.5		
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		19.1
	Drain	OD		mm	26x3		
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)			A	32.0		

VENTILATION					ERQ125AW1	ERQ200AW1	ERQ250AW1
Capacity range				HP	5	8	10
Cooling capacity	Nom.			kW	14.0	22.4	28.0
Heating capacity	Nom.			kW	16.0	25.0	31.5
Power input	Cooling	Nom.		kW	3.52	5.22	7.42
	Heating	Nom.		kW	4.00	5.56	7.70
EER					3.98	4.29	3.77
COP					4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,680x930x765	
Weight	Unit			kg	159	187	240
Fan-Air flow rate	Cooling	Nom.		m^3/min	95	171	185
	Heating	Nom.		m^3/min	95	171	185
Sound power level	Nom.			dBA	72	78	
Sound pressure level	Nom.			dBA	54	57	58
Operation range	Cooling	Min./Max.		°CDB	-5/43		
	Heating	Min./Max.		°CWB	-20/15		
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)			A	16	25	

EKEXV

Expansion valve kit for air handling applications

EKEXV140

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

VENTILATION				EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
Dimensions	Unit	HeightxWidthxDepth	mm	401x215x78							
Weight	Unit		kg	2.9							
Sound pressure level	Nom.		dBA	45							
Operation range	Cooling	Min./Max.	°CDB	-5.0/46.0							
	Heating	Min./Max.	°CWB	-/-							
Operation range - on coil temperature	Cooling	Max.	°CDB	35[1]							
	Heating	Min.	°CDB	10[2]							
Refrigerant	Type			R-410A							
Piping connections	Liquid	OD	mm	6.35	9.52						
	Gas	OD	mm	6.35	9.52						

[1] 45% relative humidity
[2] The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information

EKEQ

Control box for air handling applications

EKEQFCBV3

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

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

Control possibilities for air handling applications

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

Possibility X (Td/Tr control):

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

Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.

Possibility Y (Te/Tc control):

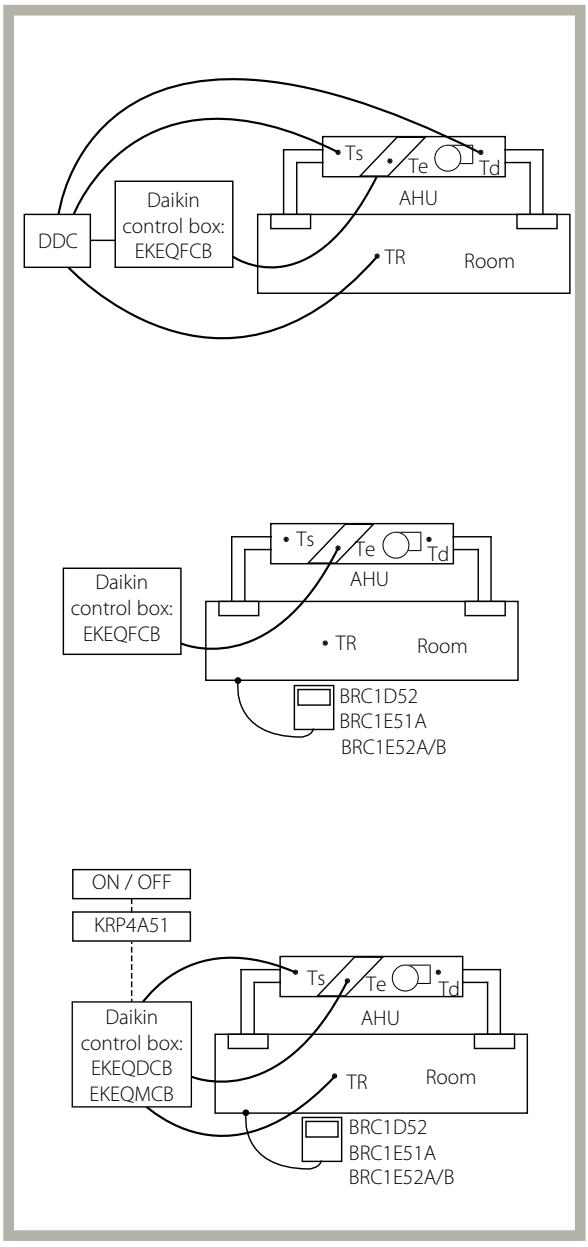
By fixed evaporating temperature

A fixed target evaporating temperature of between 3°C and 8°C can be set by the customer. In this case, room temperature is only indirectly controlled. The cooling load is determined from the actual evaporating temperature (i.e. load to the heat exchanger). A Daikin wired remote controller (BRC1D52, BRC1E51A or BRC1E52A/B - optional) can be connected for error indication.

Possibility Z (Ts/Tr control):

Using Daikin wired remote controller
(BRC1D52, BRC1E51A or BRC1E52A/B - optional)

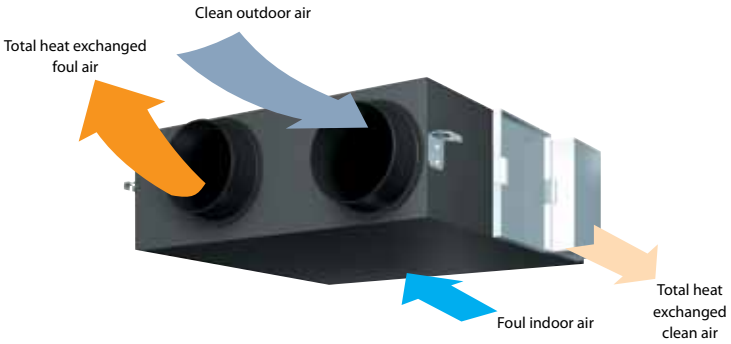
Set point can be fixed via standard Daikin wired remote controller. Remote ON/OFF can be achieved by an optional adapter KRP4A51.
No external DDC controller should be connected. The cooling load is determined from the air suction temperature and set point on the Daikin controller.



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

	OPTION KIT	FEATURES
Possibility x	EKEQFCB	Field supplied DDC controller is required Temperature control using air suction or air discharge temperature
Possibility y		Using fixed evaporating temperature, no set point can be set using remote controller
Possibility z	EKEQDCB EKFQMCB*	Using Daikin wired remote controller BRC1D52, BRC1E51A or BRC1E52A/B Temperature control using air suction temperature

* EKEQMCB (for 'multi' application)



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

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

*Note: grey cells contain preliminary data

CYQM150DK80FSN

- Connectable to ERQ heat pump
- ERQ is among the first DX system suitable for connection to air curta..
- Free-hanging model (F): easy wall mounted installation
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water sytems, boilers and gas connections are required
- Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity

				Small			Medium			
BIDDLE STANDARD AIR CURTAIN FOR CONNECTION TO ERQ				**CYQS150DK80F *BN / *SN**	**CYQS200DK100F *BN / *SN**	**CYQS250DK140F *BN / *SN**	**CYQM100DK80F *BN / *SN**	**CYQM150DK80F *BN / *SN**	**CYQM200DK100F *BN / *SN**	**CYQM250DK140F *BN / *SN**
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 / SN: RAL9006			BN: RAL9010 / SN: RAL9006			
Dimensions	Height	Unit F/C/R	mm	270 / 270 / 270			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	290 / 821 / 561			290 / 821 / 561			
Required ceiling void >			mm	420			420			
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating		m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating		dBA	49	50	51	50	51	53	54
Refrigerant	Type			R-410A			R-410A			
Piping connections	Liquid (OD) / Gas			9.52 / 16.0		9.52 / 19.0	9.52 / 16.0			9.52 / 19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E52A/B or BRC1D52)			Daikin wired remote control (BRC1E52A/B or BRC1D52)			
Power supply	Voltage		V	230			230			

				Large			
BIDDLE STANDARD AIR CURTAIN FOR CONNECTION TO ERQ				**CYQL100DK125F*BN / *SN**	**CYQL150DK200F*BN / *SN**	**CYQL200DK250F*BN / *SN**	**CYQL250DK250F*BN / *SN**
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 / SN: RAL9006			
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	745 / 745 / 745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating		m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating		dBA	53	54	56	57
Refrigerant	Type			R-410A			
Piping connections	Liquid (OD) / Gas			9.52 / 16.0	9.52 / 16.0	9.52 / 22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1E52A/B or BRC1D52)			
Power supply	Voltage		V	230			

F: Freehanging model, C: Cassette model, R: Recessed model
(1) Favourable condition | (2) Normal condition | (3) Unfavourable condition

Control systems

Sensors & other devices

Option lists


BRC1D52


BRC944B2


ARC466A1


BRC4*/BRC7*

BRC944B2*/BRC1D52
Wired remote control

- Schedule timer:
  - Five day actions can be set as follows:
    - set point: unit is switched ON and normal operation is maintained
    - OFF: unit is switched OFF[1]
    - limits: unit is switched ON and min./max. control (cf. limit operation for more details)
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- Constantly monitoring of the system for malfunctions in a total of 80 components
- Immediate display of fault location and condition
- Reduction of maintenance time and costs

Display

- Operating mode[1]
- Heat Recovery Ventilation (HRV) in operation
- Cool / heat changeover control
- Centralised control indication
- Group control indication
- Set temperature[1]
- Air flow direction[1]
- Programmed time
- Inspection test / operation
- Fan speed[1]
- Clean air filter
- Defrost / hot start
- Malfunction

[1] Only functions marked with '1' are available on BRC944B2

ARC4*/BRC4*/BRC7*
Infrared remote control

Operation buttons: ON/OFF, timer mode start/stop, timer mode on/off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/test indication (2)

Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection/test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXS, FBQ
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Save energy

A series of energy saving functions that can be individually selected

- Temperature range limit
- Setback function
- Presence & floor sensor connection (available on new round flow cassette)
- kWh indication
- Set temperature auto reset
- Off timer

Temperature range limit avoids excessive heating or cooling

Save energy by constraining the lower temperature limit in cooling and upper temperature limit in heating mode.

note : Also available in auto cooling/heating change over mode.

kWh indication keeps track of your consumption

The kWh indication shows an indicative electricity consumption of the last day/month/year.

Graphical display of indicative electricity consumption

Other functions

- Up to 3 independent schedules can be set, so the user can easily change the schedule himself throughout the year (e.g. Summer, winter, mid-season)
- Possibility to individually restrict menu functions Easy to use: all main functions directly accessible
- Easy setup: clear graphical user interface for advanced menu settings
- Real time clock with auto update to daylight saving time
- Built-in backup power: when a power failure occurs all settings remain stored up to 48 hours
- Supports multiple languages
  - English, German, Dutch, Spanish, Italian, Portuguese, French, Greek, Russian, Turkish, Polish (BRC1E52A)
  - English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian (BRC1E52B)

Integration of RA, Sky Air, VRV and AHU in BMS or home automation systems

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
  - Modbus
  - Voltage (0-10V)
  - Resistance
› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on runningcosts via
  - pre/post and trade mode
  - set point limitation
  - overall shut down
  - PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

Overview functions

							
Main functions			**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
Dimensions	H x W x D	mm	80 x 80 x 37,5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	**RTD-RA**	**RTD-NET**	**RTD-10**	**RTD-20**	**RTD-HO**
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
nbr units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M

Centralised control systems

DCS302C51

DCS301B51

DST301B51

Centralised control of the Sky Air system can be achieved via 3 user friendly compact controls: centralised remote control, unified on/off control and schedule timer. These controls may be used independently or in combination where 1 group = several (up to 16) indoor units in combination and 1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).
The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51
Centralised remote control

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- expanded timer function

DCS301B51
Unified ON/OFF control

Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DST301B51
Schedule timer

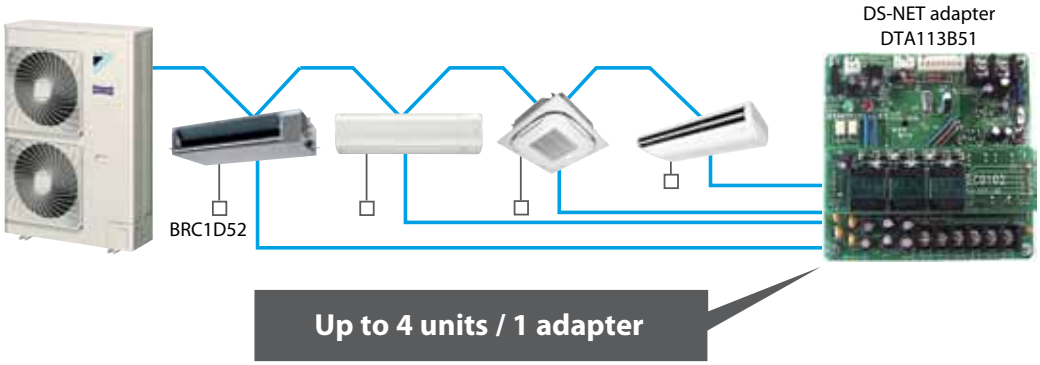
Enabling 64 groups to be programmed.

- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

DTA113B51

Basic solution for control of Sky Air and VRV

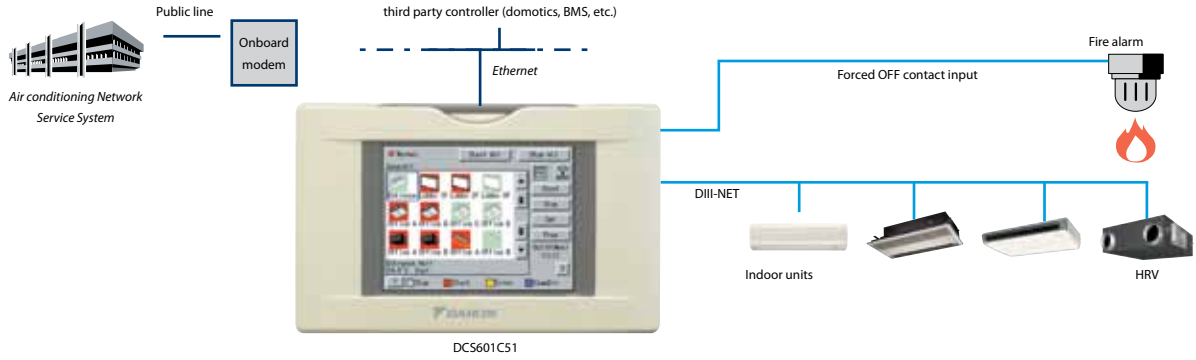
- Rotation function
- Backup operation function.



DCS601C51

touch intelligent Controller

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



Languages

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

System layout

- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Management

- Easy management of electricity consumption
- Enhanced history function

Control

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

Monitoring

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement
- Multi PC

Cost performance

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

Open interface

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

Connectable to

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

touch intelligent Manager

Integration with intelligent control solutions

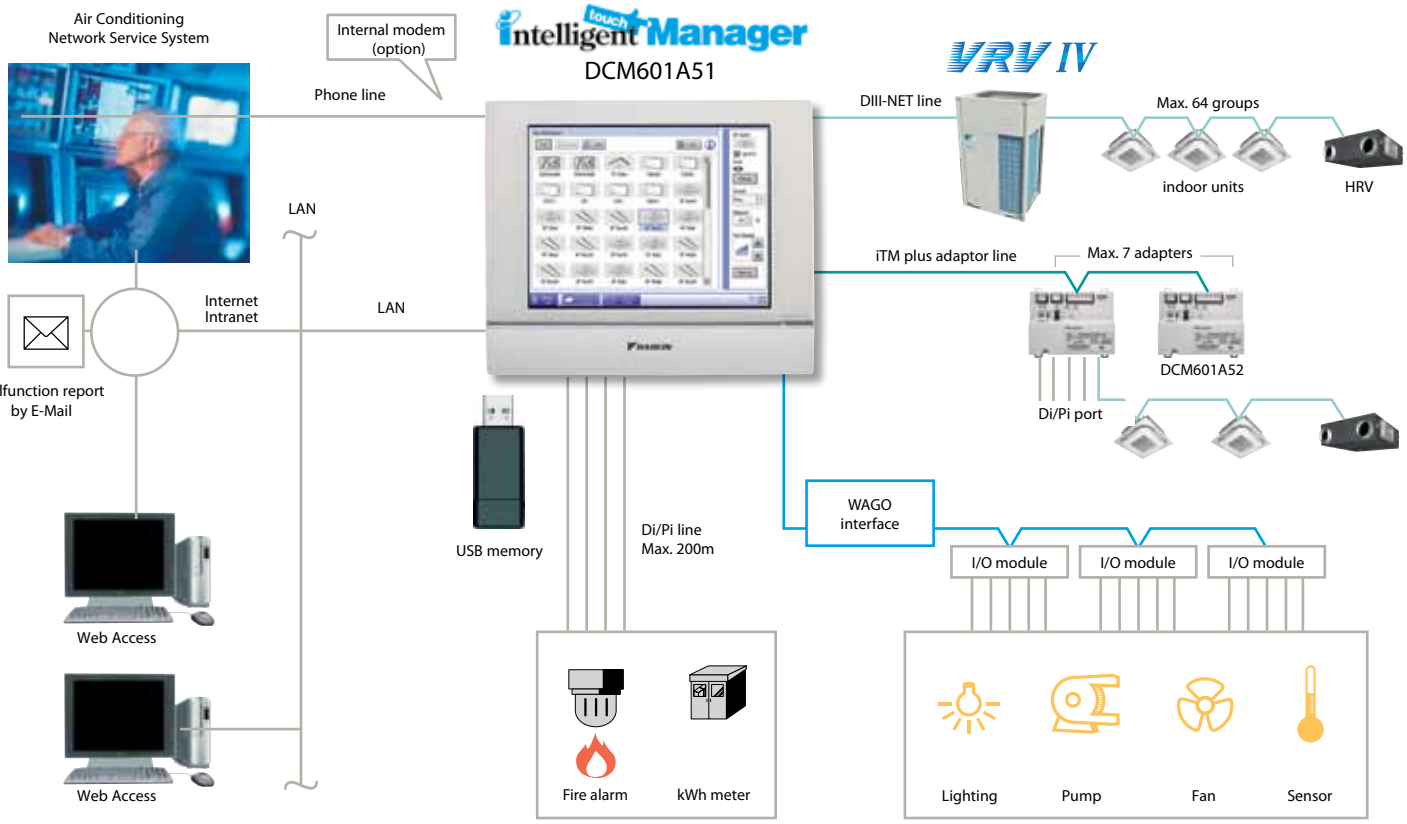
System overview

iTM Integrator
(DCM601A53)

Up to 2,560 groups

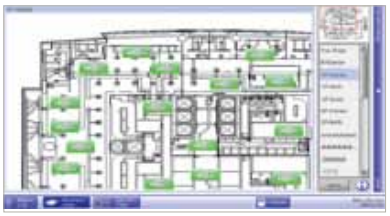
HUB

A maximum of 5 intelligent Touch Managers can be connected to a single iTM Integrator.



User friendliness

- Intuitive user interface
- Visual lay out view and direct access to indoor unit main funtions
- All functions direct accessible via touch screen or via web interface



Smart energy management

Smart energy management tools enable monitoring if energy use is according to plan and help detect origins of energy waste, thus maximizing efficiency

Flexibility

- In size: modular design for use in small to large applications
- In integration: from simple A/C control to small BMS control of lighting, pumps, ... via WAGO I/O

Easy servicing and commissioning

Perform the refrigerant containment check remotely and when it is most convenient for you and so prevent an on site visit. At the same time, increase your customer satisfaction because there is no disruption to the air conditioning during business hours.

Functions overview

DCM601A51

Languages

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

System layout

- Up to 2,560 unit groups can be controlled
  (ITM plus Integrator + 7 iPU
  (incl. iTM adaptor)
- Ethernet TCPIP

WAGO Interface

- Modular integration of 3rd party equipment
  - WAGO coupler (interface between WAGO and Modbus)
  - Di module
  - Do module
  - Ai module
  - Thermistor module

Management

- Web access
- Power Proportional Distribution (option)
- Operational history (malfunctions, operation hours, …)
- Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- Setback function
- Sliding temperature

Control

- Individual control (2,560 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit

Integration of Sky Air and VRV in HA/BMS systems

Connect Sky Air / VRV indoor units to KNX interface for BMS integration

KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scenario' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

KLIC-DI Size 45x45x15mm

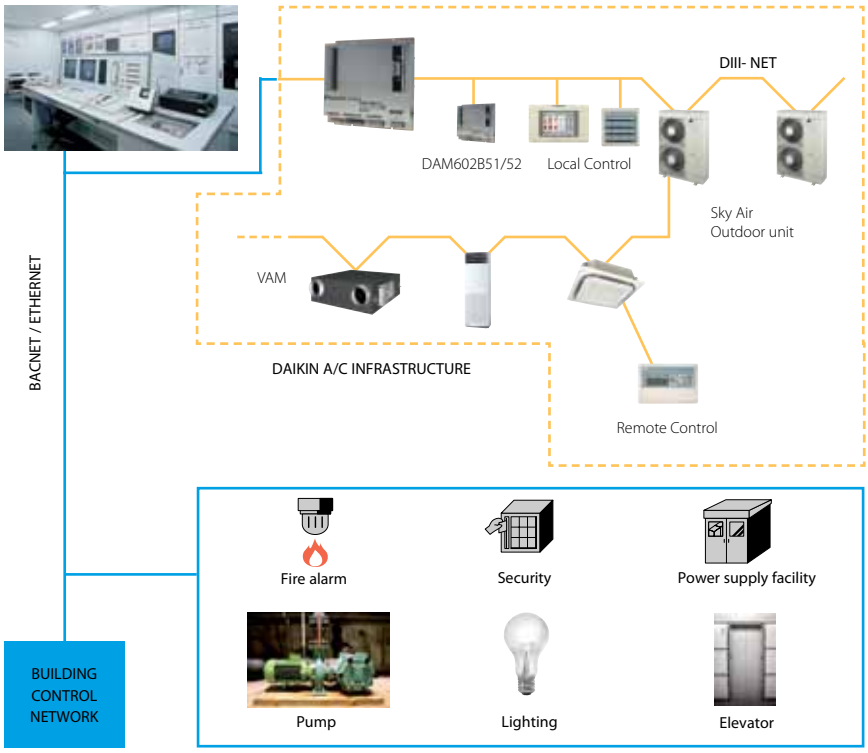
	Sky Air	VRV
BASIC CONTROL		
ON/OFF	✓	✓
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	✓	✓
Fan speed levels	2 or 3	2 or 3
Swing	Stop or movement	Swing or fixed positions (5)

ADVANCED FUNCTIONALITIES		
Error management	Communication errors,	
Scenes	✓	✓
Auto switch off	✓	✓
Temperature limitation	✓	✓
Initial configuration	✓	✓
Master and slave configuration	✓	✓

BACnet Interface

Integrated control system for seamless connection between VRV and BMS systems

- 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

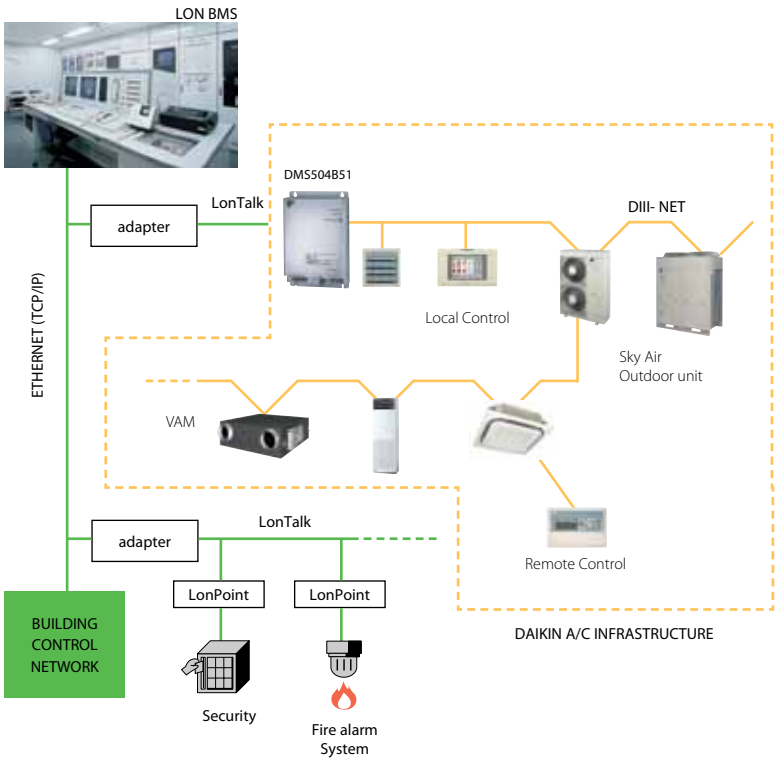


Standard protocol interfaces

LonWorks Interface

Open w integration of VRV monitoring and control functions into LonWorks networks

- 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



Flexible and easy installation

- Accurate temperature measurement thanks to flexible placement of the sensor
- No need for wiring
- No need to drill holes
- Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FBQ-C8 example)

Specifications

			WIRELESS ROOM TEMPERATURE SENSOR KIT (K.RSS)	
			WIRELESS ROOM TEMPERATURE RECEIVER	WIRELESS ROOM TEMPERATURE SENSOR
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

- Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

KRCS01-1B
KRCS01-4B

Wired room temperature sensor

- Accurate temperature measurement, thanks to flexible placement of the sensor

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

Other integration devices

Adapter PCB's – Simple solutions for unique requirements

Daikin's adapter PCB's provide simple solutions for unique requirements. They are a low cost option to satisfy simple control requirements and can be used on single or multiple units.

	(E)KRP1B* adapter for wiring	› Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper › Powered by and installed at the indoor unit
	KRP2A*/ KRP4A* Wiring adapter for electrical appendices	› Remotely start and stop up to 16 indoor units (1 group) (KRP2A* via P1 P2) › Remotely start and stop up to 128 indoor units (64 groups) (KRP4A* via F1 F2) › Alarm indication/ fire shut down › Remote temperature setpoint adjustment

Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

Sensors & other devices

		INVERTER HEAT PUMP CONDENSING UNITS		
		ERQ 100~140 AV1	ERQ 125 AW1	ERQ 200~250 AW1
Adapters and control	**KRC19-26A6** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	✓	✓	✓
	KJB111A Installation box for remote cool/heat selector KRC19-26	✓	✓	✓
Others	**Central drain pan kit** Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	-	KWC26B160	KWC26B280

		AHU APPLICATION CONTROL BOXES		HEAT RECLAIM VENTILATION
		FOR ERQ		
		EKEQDCB	EKEQFCB	VAM 150~2000
Adapters and control	**BRC1E51A/B** Premium wired remote controller with full-text interface and back-light	✓	✓	✓
	BRC1D52 Standard wired remote controller with weekly timer	✓	✓	✓
	BRC301B61 Wired remote controller for HRV	-	-	✓
	BRP4A50 Control kit for auxiliary 3rd party heater	-	-	✓
	KRP50-2 Adaptor PCB for 3rd party humidifier control / for operation signal output	-	-	✓
	External wired temperature sensor	KRCS01-1	-	-
	Wiring adaptor for external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A51	-	-
	Wiring adaptor for external central monitoring/control (controls 1 entire system)	-	-	KRP2A61
	External control adaptor for outdoor unit	DTA104A61	Ask your Daikin representative	-
	Installation box / Mounting plate for adaptor PCBs	-	-	KRP1B93
	Connection to centralized control	-	-	Standard

OUTDOOR UNITS	2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Air direction adjustment grille	KPW945A4							

	RXYSQ
External control adaptor for outdoor unit Allows to activate Low Noise Operation and three levels of Demand Limiting via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit.	DTA104A53/61/62
	For installation into an indoor unit: exact adaptor type depends on type of indoor unit
	See options & accessories of indoor units
KRC19-26A6 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	✓
KJB111A Installation box for remote cool/heat selector KRC19-26	✓

Options & accessories - Sky Air

INDOOR UNITS - CONTROL SYSTEMS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F	ACQ7
Wired remote control	BRC1E52A (3) BRC1E52B (4)				BRC1E52A (3) BRC1E52B (4)							
Wireless remote control + decoration panel	-				-							
I-touch controller	DCS601C51				DCS601C51							
Infrared remote control (heat pump)	BRC7FA532F (5)				BRC7FA532F (5)							
Simplified remote control	BRC2C51				BRC2C51							
Remote control for hotel use	BRC3A61				BRC3A61							
Centralised remote control	DCS302C51				DCS302C51							
Unified ON/OFF control	DCS301B51				DCS301B51							
Schedule timer	DST301B51				DST301B51							
Adapter for wiring (interlock for fresh air intake fan)	-				-							
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP1B57/KRP4A53 (1)(5)				KRP1B57/KRP4A53 (1)(5)							
Interface adapter for Sky Air	-				-							
Installation box for adapter PCB	KRP1H98 (5)				KRP1H98 (5)							
Remote sensor	KRCS01-4				KRCS01-4							
Remote ON/OFF, forced OFF	EKRORO2				EKRORO4 (TBC)							
Electrical box with earth terminal (3 blocks)	KJB311A				KJB311A							
Electrical box with earth terminal (2 blocks)	KJB212A				KJB212A							
Adapter for wiring (hour meter)	EKRP1C11 (1)(5)				EKRP1C11 (1)(5)							
Options PCB for external electrical heater, humidifier and/or hour meter	-				-							

Notes
(1) Installation box for adapter PCB is necessary
(2) Interface adapter for Sky Air series (DTA112B51) is necessary
(3) Including following languages:English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Purtuguese, Polish
(4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
(5) Option not available in combination with BYCQ140*G
(6) Installation box for adapter PCB (KRP1B101) is necessary
(7) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
(8) Sensing function is not available
(9) Independently controllable flaps function is not available

INDOOR UNITS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F	ACQ7
Replacement long-life filter	KAFP551K160				KAFP551K160							
Sealing member of air discharge outlet	KDBHQ55B140 (4)				KDBHQ55B140 (4)							
Decoration panel	BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)				BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)							
Decoration panel + wireless remote control	-				-							
Fresh air intake kit (direct installation type)	KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)				KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)							
Panel spacer	-				-							
Sensor kit	BRYQ140A (5)				BRYQ140A (5)							

Notes
(1) The BYCQ140DW has white insulations. Be informed that dirt is more visible on white insulation and that it is consequently not advised to install the BYCQ140DW decoration panel in environments exposed to concentrations of dirt.
(2) To be able to control the BYCQ140DG, the controller BRC1E* is needed
(3) The BYCQ140DG is only compatible with Sky Air RZQ(G), RZQS(G); All VRV outdoors; Split RKS, RXS
(4) Option not available in combination with BYCQ140DG
(5) Sensor kit can only be operated with BRC1E52A/B
(6) BYFQ60B9 = basic , BYFQ60CW = White , BYFQ60CS = Grey
(7) BRYQ60A2W = White, BRYQ60A2S = Grey
(8) Both parts of the fresh air intake kit are needed for each unit.

1B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A
	ARCWB		BRC1D528 / BRC1E52A (3) - BRC1E52B (4)(9)				BRC1D52 / BRC1E52A (3) BRC1E52B (4)	BRC1D52 / BRC1E52A (3) BRC1E52B (4)							-		
	ADP125A		-				-	-							-		
	-		DCS601C51				-	DCS601C51 (2)							-		
	-		BRC7E530/BRC7F530W/BRC7F530S (8-9)				-	BRC4C65							-		
	-		-				-	BRC2C51							-		
	-		-				-	BRC3A61							-		
	-		DCS302B51				-	DCS302C51							-		
	-		DCS301B51				-	DCS301B51							-		
	-		DST301B51				-	DST301B51							-		
	-		-				-	KRP1B54							-		
	-		KRP1B57/KRP4A53(6)				-	KRP4A51/KRP2A51							-		
	-		-				-	DTA112B51							-		
	-		KRP1B101				-	-							-		
	-		KRCS01-4				-	KRCS01-1							-		
	-		EKRORO2				-	EKRORO3							-		
	-		-				-	-							-		
	-		-				-	-							-		
	-		EKRP1B2				EKRP1B2	-							-		
	-		-				-	EKRP1B2A (7)							-		

1B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A
	-		KAFQ441B160				-	-							-		
	-		KDBHQ44BA60/BDBHQ44C60				-	-							-		
	-		BYFQ60B2/BYFQ60CW/BYFQ60CS (6)				-	BYBS32D	BYBS45D	BYBS71D		BYBS125D				-	
	ADP125A		-				-	-							-		
	-		KDDQ44XA60				-	-							-		
	-		KDBQ44B60				-	-							-		
	-		BRYQ60AW/BRYQ60AS (7)				-	-							-		

Options & accessories - Sky Air

INDOOR UNITS - CONTROL SYSTEMS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60C
Wired remote control	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)				
I-touch controller	DCS601C51	-		DCS601C51				
Infrared remote control (heat pump)	BRC4C65	-		BRC7EB518				
Simplified remote control	-			BRC2C51				
Remote control for hotel use	-			BRC3A61				
Centralised remote control	DCS302C51			DCS302C51				
Unified ON/OFF control	DCS301B51			DCS301B51				
Schedule timer	DST301B51			DST301B51				
Adapter for wiring (interlock for fresh air intake fan)	KRP1C64	KRP1B54		-				
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP4A51			KRP4A51 (1)				
Interface adapter for Sky Air (2)	-	DTA112B51		-				
Installation box for adapter PCB	-			KRP4A93				
Remote sensor	KRCS01-4B	-		KRCS01-1				
Remote ON/OFF, forced OFF	EKRORO3	EKRORO		-				
Electrical box with earth terminal (3 blocks)	-			KJB311A				
Electrical box with earth terminal (2 blocks)	-			KJB212A				
Options PCB for external electrical heater, humidifier and/or hour meter	EKRP1B2	EKRP1B2		-				
Mounting plate for adapter PCB	KRP4A96	-		-				

Notes
(1) Installation box for adapter PCB is necessary
(2) Interface adapter for Sky Air series (DTA112B51) is necessary
(3) Including following languages:English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Purtuguese, Polish
(4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
(5) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
(6) With the infrared remote controller, the individual flap control and automatic air volume control cannot be controlled.

INDOOR UNITS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60
Replacement long-life filter	-			-		KAFP501A56		
Drain-up kit	-			K-KDU572EVE				
L-type piping kit (upward direction)	-			-			KHFP5N63	
Sealing member of air discharge outlet	-			-				
Decoration panel for air discharge	-			-				
Decoration panel	BYBS125D(1)			-				
Decoration panel option	EKBYBSD			-				
Noise filter	-			KEK26-1A				
Air discharge adapter for round duct	KDAJ25K140A			-				
Fresh air intake kit (direct installation type)	-			-				

Notes
(1) Decoration panel option EKBYBSD is required for direct mounting of the decoration panel of the unit.

OUTDOOR UNITS		RZQ(S)G125L(7)V1/LY1	RZQ(S)G100L(7)V1/LY1 | RZQ(S)G125L(7)V1/LY1	RZQ(S)G140L(7)V1/LY1
Air direction adjustment grille		-		
Central drain plug		-		
Refrigerant branch piping	For twin	-		
	For triple	KHRQ127H	-	
	For double twin	-	KHRQ127H (x3)-	-
Demand adapter kit		-		
Bottom plate heater		-		

Notes
(1) Bottom plate heater is only available for RZQG* models
(2) For combination of RZQ(S)G71L7V1B and EKBPH140L7 it is required to use the demand adapter KRP58M51 in order to connect the bottom plate heater.
(3) For RZQG71-140L7Y1B/RZQ5G100-140L7Y1B in combination with FCQG35-71F and FCQHG71F use the refrigerant branch piping between brackets.

	FHQ71C	FHQ100C	FHQ125C	FHQ140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			
	-				-			DCS301C51			
	BRC7G53				BRC7C58 (6)			-			
	-				-			BRC2C51			
	-				-			BRC3A61			
	DCS302C51				DCS302C51			DCS302C51			
	DCS301B51				DCS301B51			DCS301B51			
	DST301B51				DST301B51			DST301B51			
	-				-			-			
	KRP1B54 / KRP4A52(1)				KRP4A53 (1)			KRP1B57 / KRP4A52			
	-				-			-			
	KRP1D93A				KRP1B97			KRP4AA95			
	KRCS01-4B				KRCS01-4B			-			
	EKRORO4				EKRORO5			-			
	KJB311A				KJB311A			-			
	KJB212A				KJB212A			-			
	-				-			-			
	-				-			-			

C	FHQ71C	FHQ100C	FHQ125C	FAQ-140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
	KAFP501A80	KAFP501A160		-	KAFP551K160			KAFJ95L160			
	-			-	-			-			
	KHFP5N160			-	-			-			
	-			-	KDBHP49B140			-			
	-			-	KDBTP49B140			-			
	-			-	-			-			
	-			-	-			-			
	-			-	-			-			
	-			-	-			-			
	KDDQ50A140			-	-			-			

AZQS71AV1/AY1	AZQS125AV1/AY1	AZQS140AV1/AY1	RZQ200C	RZQ250C
-			-	
EKDK04			KWC26B280	
-			KHRQ22M20TA	
-			KHRQ250H7	
-			KHRQ22M20TA (x3)	
KRP58M51			KRP58M51	
-			-	

	UATYQ-C
Rooftop controller	✓
PCB	✓
EXV	✓
Gold Fin (NA549)	✓
Scroll compressor	✓
Saranet Air Filter	✓
Side flow	✓
Convertible	✓
Filter drier	✓
High pressure switch	✓
Low pressure switch	✓
Economiser	ECONO-AY1

No options available for UATYP-AY1(B)
No options available for ECONO-AY1

Power supply

V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
W1 = 3N~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Measuring conditions

Air conditioning

1) nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m
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

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.

Benefits

We care icons

Seasonal efficiency, smart use of energy
Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.

Inverter technology
In combination with inverter controlled outdoor units

Home leave operation
During absence, the indoor temperature can be maintained at a certain level.

Auto-cleaning panel
The filter in the auto-cleaning decoration 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.

Fan only
The air conditioner can be used as fan, blowing air without cooling or heating.

Humidity control

Dry programme
Allows humidity levels to be reduced without variations in room temperature.

Remote control & timer

Weekly timer
Timer can be set to start heating or cooling anytime on a daily or weekly basis

Infrared remote control
Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.

Wired remote control
Wired remote control to start, stop and regulate the air conditioner from a distance.

Centralised control
Centralised control to start, stop and regulate several air conditioners from one central point.

Air treatment

Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Comfort

Draught prevention
When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.

Auto cooling-heating changeover
Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).

Whisper quiet
Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.

Air flow

Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.

Vertical auto swing
Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.

Fan speed steps
Allows to select up to the given number of fan speed.

Other functions

Auto-restart
The unit restarts automatically at the original settings after power failure.

Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.

VRV for residential application
Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Self-diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.

Multi model application
Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Drain pump kit
Facilitates condensation draining from the indoor unit.

Notes

Seasonal efficiency, smart use of energy

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

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

SEASONAL EFFICIENCY
Smart use of energy

Find out more on www.daikin.eu

DAIKIN

In all of us, a green heart

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to it s close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU), Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com*

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