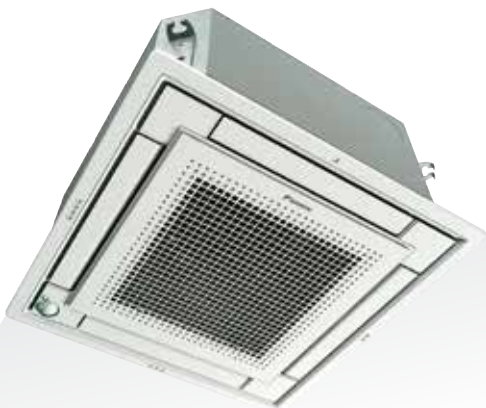




Your business our concern



SEASONAL EFFICIENCY
Smart use of energy



SKY AIR PRODUCT RANGE
COMMERCIAL CATALOGUE

SkyAir

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.

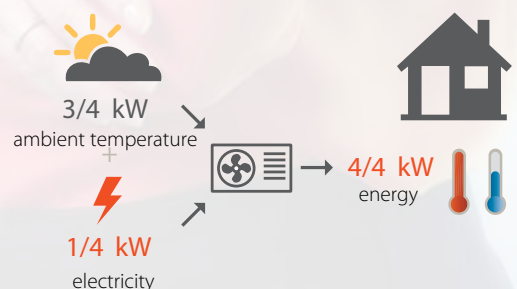
Daikin quality

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 75% 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

Sky Air, the solution for the light commercial sector	04
Products in the spotlight	09
Sky Air product range	17
Ventilation	57
Control systems	69
Options & accessories	86
Europe's New Energy Label	90

SkyAir the solution for the light commercial sector

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





Heating and cooling

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



- All systems now optimised for seasonal energy efficiency.
- An outdoor unit can power several indoor units.
 - For a long or irregularly shaped room you can use up to four indoor units linked to 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:

- 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:

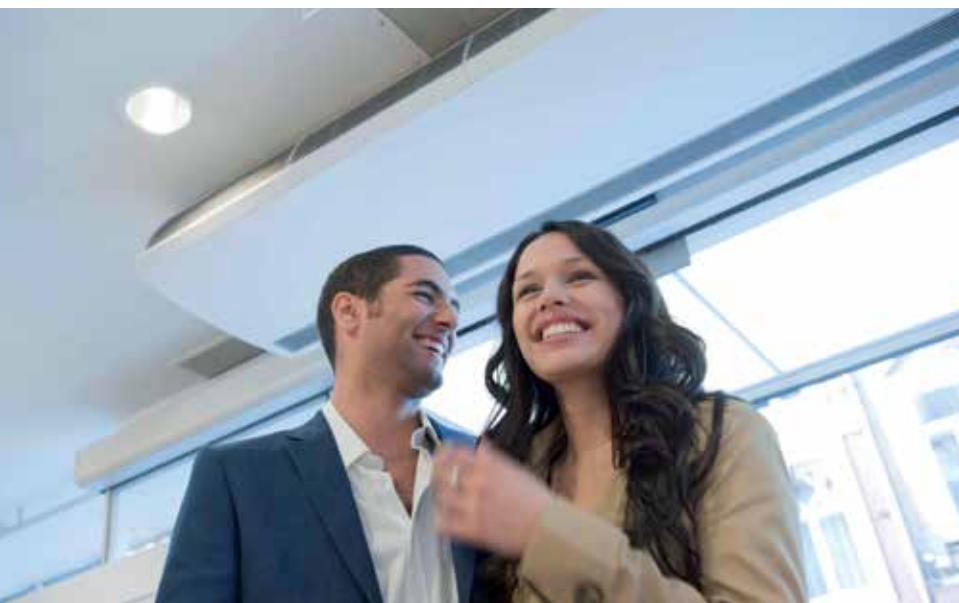
- From individualised unit control to centralised management via touch-screen options and code based controllers, we put you in command at all times.
- The wired remote controller gives full access to the unit's functions and energy saving features, including flexible scheduling for different seasons and the possibility to indicate kWh usage (round flow cassette).
- The DIII-net connection is standard, 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.



SkyAir 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 panel is also the secret to reducing maintenance as it can conceal 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 manager 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

- Design and genius in one.
- Unique design in the market: integrates fully flat into the ceiling.
- Optional presence and floor sensors improve comfort and efficiency.

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

- Ensures an even temperature distribution to create the perfect dining environment.
- 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:

Seasonal Smart	10
Seasonal Classic	10
Fully flat cassette	12
Round flow cassette	14

Seasonal Smart and Seasonal Classic

Daikin offers a **complete light commercial** range, optimised to achieve top efficiency!

		FCQG / FCQHG	FFQ	FHQ	FBQ	FDQ	FAQ	FVQ	FUQ
		✓	✓	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓	✓	

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.
- Setback function.
- Presence & floor sensor settings (available on fully flat cassette & round flow cassette).
- Setting temperature auto reset.
- Off timer.
- kWh indication (round flow cassette).
- 3 weekly timers.



Night quiet mode function

Night quiet function: max. -5 dB(A)

During night time, sound level of the outdoor unit can be reduced for a certain period by limiting the maximum compressor frequency and fan speed: starting time and ending time can be set. The night quiet function can be enabled according to end-user preferences via 2 different modes:

Mode 1: automatic mode

- Set via the remote control.
- Time of maximum temperature is memorized.
- The low operating mode will become active 8 hours* after the peak temperature in daytime and operation will return to normal after 10 hours of low noise operation*.

Mode 2: customized mode

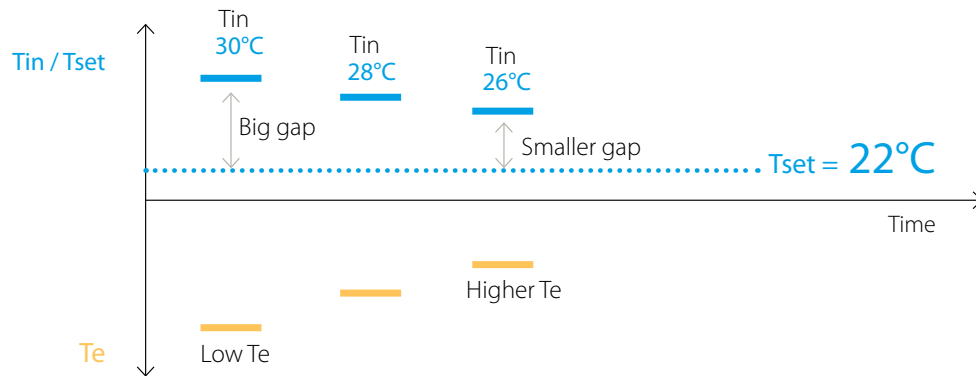
- Starting and ending times can be set by using an external timer control (optional adapter KRP58M51).
- Field supplied timer switch required for RZQ(S)G71-140).

* Notes: For factory settings: please refer to the service manual of these units or contact your local dealer.

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 (T_e) and consequently discharge temperature if the gap between the achieved indoor temperature (T_{in}) and the request indoor temperature (T_{set}) becomes smaller. This reduces the risk of cold draft and hence increases the customer comfort.



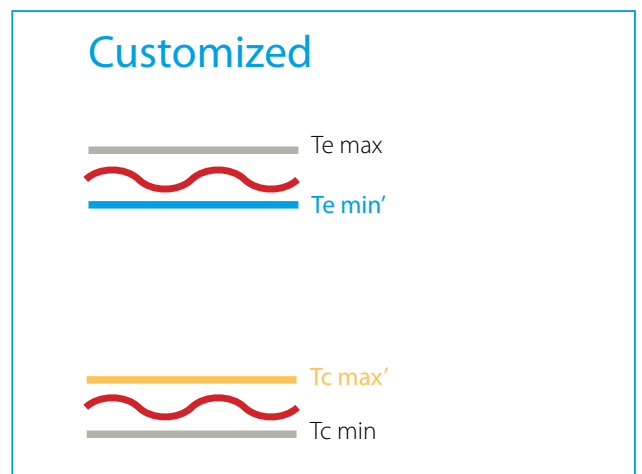
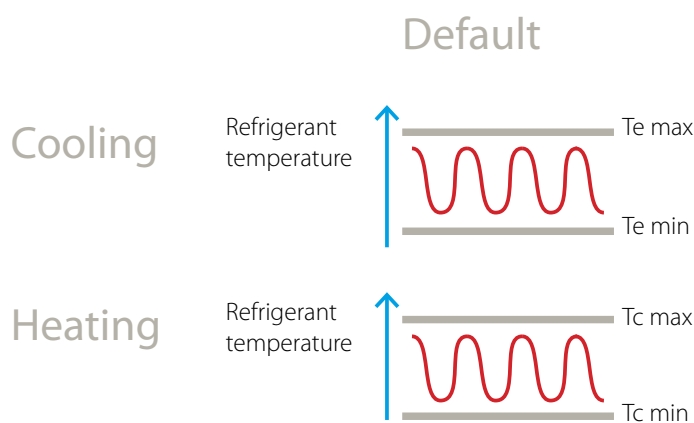
Seasonal Smart

UNIQUE!

Seasonal Smart even adopts a special setting to further improve comfort & efficiency by offering the possibility to customize the boundaries of the evaporating (T_e) or condensing (T_c) 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.



- ✓ Improved comfort
- ✓ Reduced energy bill



UNIQUE!

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 fix the position of each flap individually, to suit any new room configuration.



Silver and white

White

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 white or 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 control or block (use option sealing kit for 3- or 2-directional air discharge) 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.

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. Fresh air intake for healthy living via optional kit (KDDQ44XA60).

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

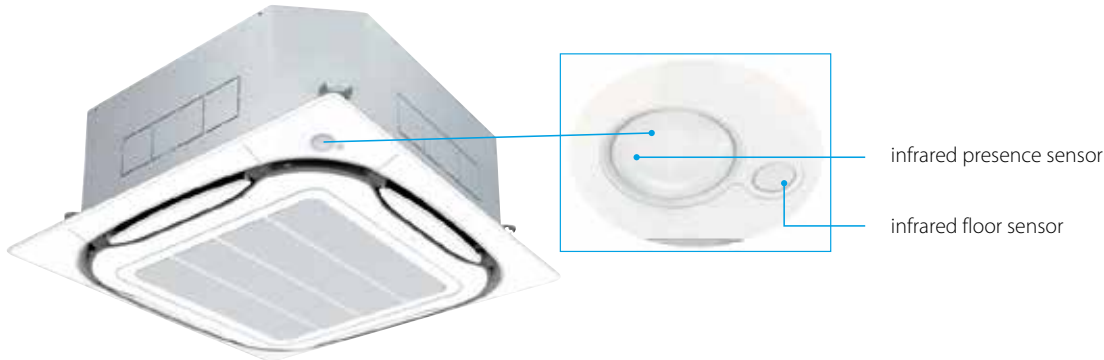
As with all Daikin products, this cassette delivers exceptional seasonal efficiency while the presence sensor has been shown to reduce energy consumption by around 27%*.

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

*estimated

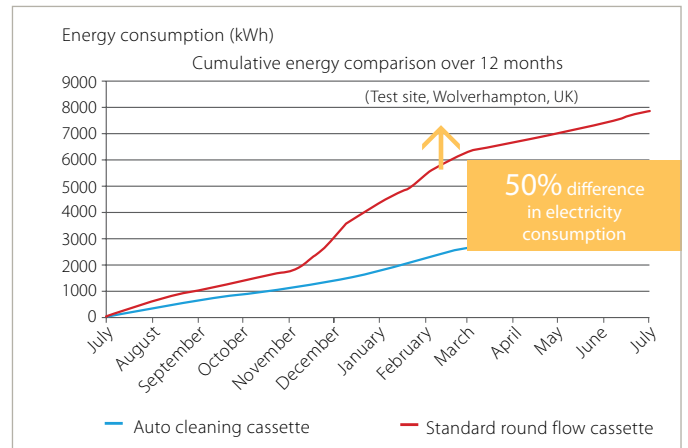
Round Flow Cassette : setting the standard for efficiency and comfort

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.



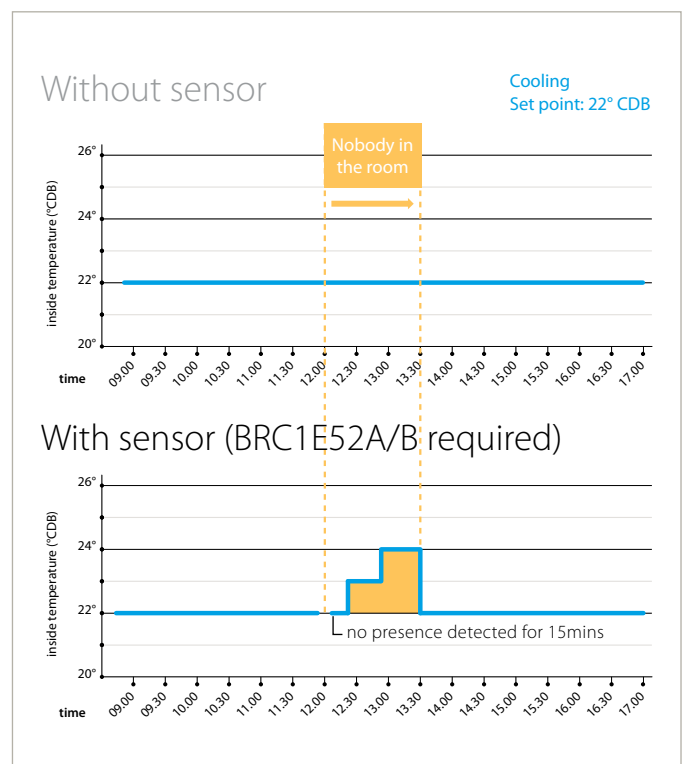
Even more energy efficient

- UNIQUE!**
- 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.
- 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



Sky Air product range

Sky Air Product portfolio

Indoor units	18
Outdoor units	20
Biddle standard air curtain	20
Air handling units	20

Benefits overview Sky Air	22
---------------------------	----

Pair application

Ceiling mounted cassette	24
Concealed ceiling unit	32
Wall mounted unit	40
Ceiling suspended unit	42
4-Way blow ceiling suspended unit	46
Floor standing unit	48

Twin, triple, double twin application

Seasonal Smart	51
Seasonal Classic	52
Super Inverter	53

Multi model application

Multi outdoor units	54
VRVIII-S heat pump for residential application	55

Indoor units

Type	Model	Product name	
Ceiling mounted cassette	High COP, round flow cassette <ul style="list-style-type: none"> for shops, restaurants and offices requiring maximum floor space and perfect integration 360° air discharge auto-cleaning function² presence and floor sensor² ensures top performance 	FCQHG-F	
	Round flow cassette <ul style="list-style-type: none"> for shops, restaurants and offices requiring maximum floor space and perfect integration 360° air discharge auto-cleaning function² presence and floor sensor² 	FCQG-F	
	Fully flat cassette <ul style="list-style-type: none"> for smaller spaces and offices requiring maximum floor space and perfect integration design and genius in one integrate fully flat into the ceiling and flush into ceiling tiles presence and floor sensor² 	FFQ-C	
	Siesta, 4-way blow ceiling mounted cassette <ul style="list-style-type: none"> for shops requiring maximum floor space and perfect integration solution for basic cooling and heating 	ACQ-C	
Concealed ceiling	Small concealed ceiling unit <ul style="list-style-type: none"> designed for hotel bedrooms compact dimensions to be mounted in a ceiling void drain pan can be located to the left or to the right 	FDBQ-B	
	Concealed ceiling unit <ul style="list-style-type: none"> for commercial spaces with no or narrow false ceilings easy installation thanks to automatic air flow adjustment reduced power consumption with DC inverter fans ESP up to 120Pa 	FBQ-C8 ¹	
	Concealed ceiling unit <ul style="list-style-type: none"> for commercial spaces with no or narrow false ceilings easy installation thanks to automatic air flow adjustment reduced power consumption with DC inverter fans ESP up to 200Pa 	FDQ-C	
	Large concealed ceiling unit <ul style="list-style-type: none"> for large commercial spaces with no or narrow false ceilings ESP up to 250Pa 	FDQ-B ¹	
	Siesta, concealed ceiling unit <ul style="list-style-type: none"> for shops requiring maximum floor space and perfect integration solution for basic cooling and heating 	ABQ-C	
Wall mounted	Wall mounted unit <ul style="list-style-type: none"> for commercial spaces with no or narrow false ceilings 5 different air discharge angles 	FAQ-C	
Ceiling suspended	Ceiling suspended unit <ul style="list-style-type: none"> for commercial spaces with no or narrow false ceilings comfortable air distribution in one direction coanda effect: air discharge up to 100° 	FHQ-C	
	4-way blow ceiling suspended unit <ul style="list-style-type: none"> for commercial spaces with no or narrow false ceilings comfortable air distribution in four directions low energy consumption improved comfort thanks to automatic air flow adjustment to required load 	FUQ-C	
	Siesta, ceiling suspended cassette <ul style="list-style-type: none"> for shops with narrow or no false ceiling solution for basic cooling and heating 	AHQ-C	
Floor standing	Floor standing unit <ul style="list-style-type: none"> for commercial spaces with high ceilings perfect comfort thanks to selection of vertical and horizontal out blow patterns improved efficiency thanks to DC fan motor 	FVQ-C	

Outdoor units Pair, twin, triple & double twin application

System	Type	Product name			
Air cooled	Heat pump	<ul style="list-style-type: none"> for commercial applications and technical rooms best efficiency! most flexible installation widest range of efficient and comfortable connectable indoor units pair, twin, triple, double twin application 		RZQG-L8/7V1	
			RZQG-L(8)Y1		
		<ul style="list-style-type: none"> for commercial applications good value for money very efficient and comfortable indoor units pair, twin, triple, double twin application 		RZQSG-L3/L8V1	
			RZQSG-L(8)Y1		
		<ul style="list-style-type: none"> for large commercial applications pair, twin, triple, double twin application 		RZQ-C	
		<ul style="list-style-type: none"> for shop application basic cooling/heating solution pair application 		AZQS-BV1	
			AZQS-BY1		

Biddle standard air curtain range

Type	Product name	
Biddle standard air curtain free hanging	CYQ S/M/L-DK-F easy wall installation	
Biddle standard air curtain cassette	CYQ S/M/L-DK-C mounted into a false ceiling leaving only the decoration panel visible	
Biddle standard air curtain recessed	CYQ S/M/L-DK-R neatly concealed in the ceiling	

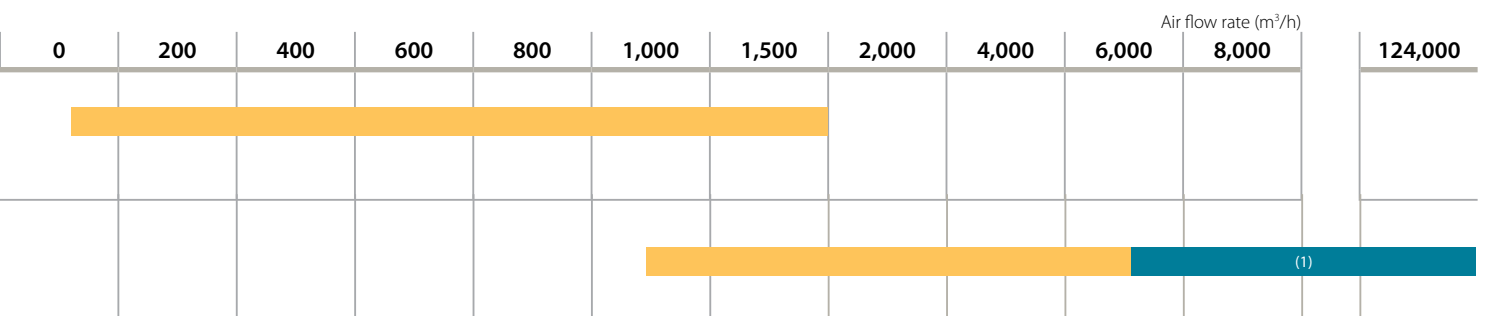
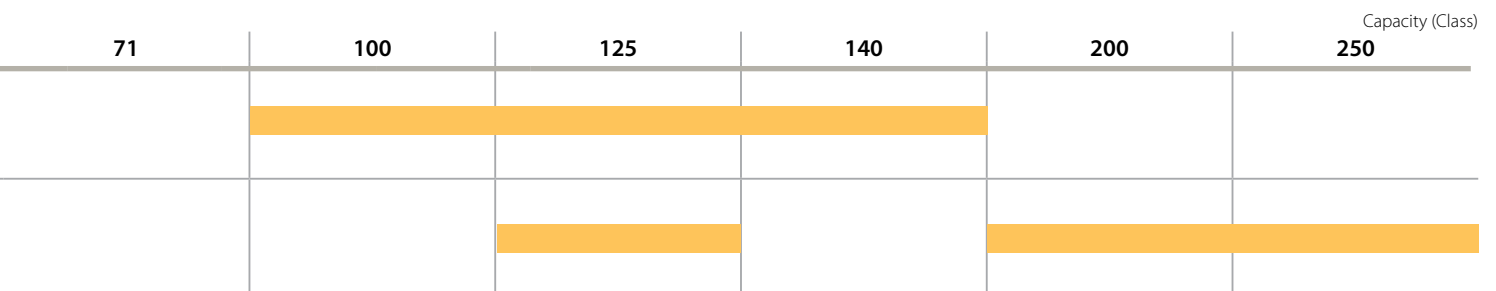
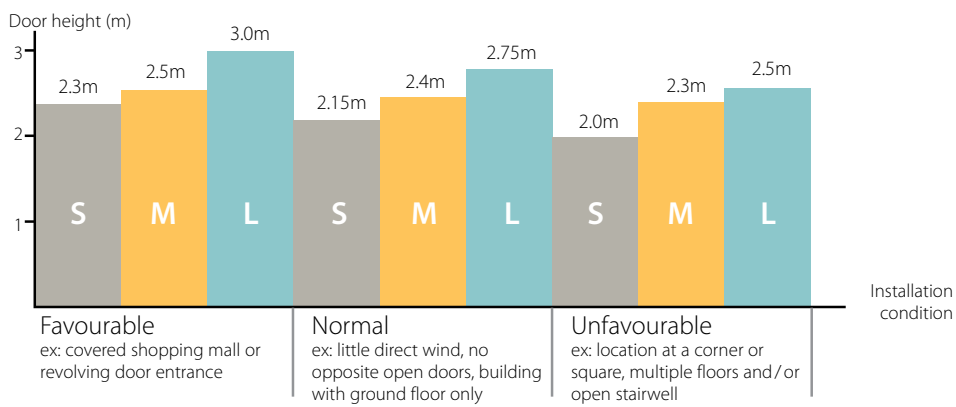
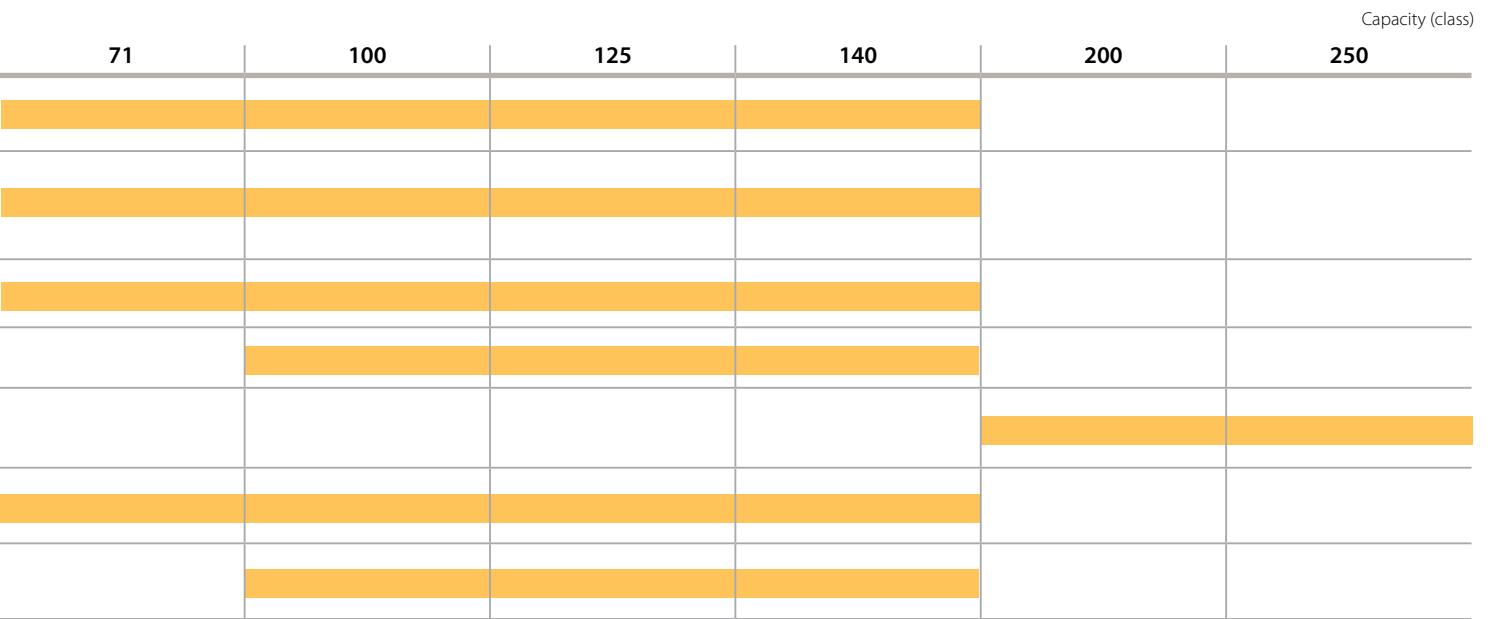
For connection with air handling units and biddle air curtain

System	Type	Product name		
Air cooled	Heat pump	ERQ-AV1 ¹ Condensing Units	<ul style="list-style-type: none"> R-410A inverter condensing units pair application with air handling units 	
		ERQ-AW1 ¹ Condensing Units		






















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

Type	Product name		
Heat Reclaim Ventilation	VAM-FA/FB	<ul style="list-style-type: none"> for shops, restaurants and offices requiring maximum floor space and perfect integration energy saving ventilation using indoor heating free cooling possible 	
Air handling units	DX fresh air package	<ul style="list-style-type: none"> solution where building constraints occur plug and play installation 	

(1) Daikin AHU connected to Daikin chiller solution



Benefits overview *SkyAir*

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.
		Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
		Auto cleaning filter	The filter automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
		Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment		Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow		Ceiling soiling prevention	A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
		Fan speed steps	Allows to select up to the given number of fan speed.
		Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer		Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
		Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
		Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
		Centralised control	Centralised control to start, stop and regulate several air conditioners from one central point.
Other functions		Auto-restart	The unit restarts automatically at the original settings after power failure.
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
		Drain pump kit	Facilitates condensation draining from the indoor unit.
		Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.
		Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.	

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

Ceiling mounted cassette				Concealed ceiling unit					Ceiling suspended unit		4-Way blow ceiling suspended unit	Wall mounted unit	Floor standing unit
FCQHG-F	FCQG-F	FFQ-C	ACQ-C	FDBQ-B	FBQ-C8	FDQ-C	FDQ-B	ABQ-C	FHQ-C	AHQ-C	FUQ-C	FAQ-C	FVQ-C
✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
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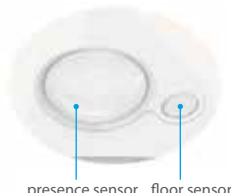
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standard	standard	standard	standard		standard	standard			optional		standard	optional	
✓	✓	✓			✓	✓	✓		✓		✓	✓	
	✓	✓		✓	✓				✓				
	✓	✓		✓	✓				✓				





FCQG35-60F



presence sensor floor sensor
BRYQ140A



RXS-L



BRC1E52A/B (optional) BRC7F532F (optional)



- > 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**: possibility to adapt the room layout by fixing the position of each flap individually
- > Fresh air intake: up to 20 %
- > **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.



Heating & Cooling

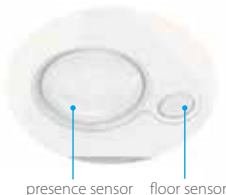
Indoor unit				FCQG35F	FCQG50F	FCQG60F
Cooling capacity	Min./Nom./Max.		kW	1.3/3.4/4.0	1.7/5.0/5.3	1.7/5.7/5.7
Heating capacity	Min./Nom./Max.		kW	1.3/4.20/5.2	1.7/6.00/6.0	1.7/7.0/7.0
Power input	Cooling	Min./Nom./Max.	kW	0.400/0.950/1.100	-/1.410/-	-/1.640/-
	Heating	Min./Nom./Max.	kW	0.230/1.200/1.840	-/1.620/-	-/1.990/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	
		Pdesign	kW	3.50	5.00	5.70
		SEER		6.35	6.48	6.22
	Heating (Average climate)	Energy label			A++	A+
		Pdesign	kW	3.32	4.36	4.71
		SCOP		4.90	4.29	4.00
Annual energy consumption			kWh	193	270	321
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.58	3.55	3.48
	COP			3.50	3.7	3.52
	Annual energy consumption		kWh	475	705	820
	Energy label		Cooling/Heating	A/B	A/A	A/B
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840		
Weight	Unit		kg	18	19	
Decoration panel	Model			BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1		
	Colour			Pure White (RAL 9010)/		
	Dimensions			60x950x950/950x60x950/145x950x950		
	Weight			5.4/5.4/10.3		
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Heating	High/Nom./Low	m³/min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
Sound power level	Cooling		dBA	49		51
	Heating		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	12.70	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

Outdoor unit				RXS35L	RXS50L	RXS60L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit		kg	34	47	48
Fan - Air flow rate	Cooling	High/Super low	m³/min	36.0/30.1	50.9/48.9	50.2/45.0
	Heating	High/Super low	m³/min	28.3/25.6	45.0/43.1	46.3/46
Sound power level	Cooling		dBA	61	62	
	Heating		dBA	61	62	
Sound pressure level	Cooling	High/Low/Silent operation	dBA	48/-/44	48/44/-	49/46/-
	Heating	High/Low/Silent operation	dBA	48/-/45	48/45/-	49/46/-
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46		
	Heating	Ambient	Min.~Max. °CWB	-15~18		
Refrigerant	Type/GWP			R-410A/1,975		
Piping connections	Piping length	OU - IU	Max. m	20	30	
	Level difference	IU - OU	Max. m	15	20.0	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	

(1) EER/COP according to Eurovent 2012, for use outside EU only (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 standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.



FCQG100-140F



presence sensor floor sensor
BRYQ140A



RZQG100-140L8/7V1/L(8)Y1



BRC1E52A/B (optional) BRC7FA532F (optional)



- > 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.
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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**: possibility to adapt the room layout by fixing the position of each flap individually
- > 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			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/-				
Power input	Cooling	Nom.	2.01	2.45	3.22	4.17	2.01	2.45	3.22	4.17				
	Heating	Nom.	1.89	2.60	3.72	4.30	1.89	2.60	3.72	4.30				
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A+	-	A++		A+	-				
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-			
		SEER		6.80		6.00	-	6.80		6.00	-			
		Annual energy consumption	kWh	350	488	700	-	350	488	700	-			
	Heating (Average climate)	Energy label		A+	A++	A+	-	A+	A++	A+	-			
		Pdesign	kW	6.33	11.30	12.66	-	6.33	11.30	12.66	-			
		SCOP		4.20	4.61	4.10	-	4.20	4.61	4.10	-			
Annual energy consumption		kWh	2,110	3,431	4,322	-	2,110	3,431	4,322	-				
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				
Dimensions	Unit	HeightxWidthxDepth	204x840x840			246x840x840		204x840x840		246x840x840				
	Weight	Unit	21		24		21		24					
Decoration panel	Model		BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1											
	Colour		Pure White (RAL 9010)											
	Dimensions	HeightxWidthxDepth	60x950x950/950x60x950/145x950x950											
	Weight	Unit	5.4/5.4/10.3											
Fan - Air flow rate	Cooling	High/Nom./Low	m³/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	26.0/19.2/12.4				
	Heating	High/Nom./Low	m³/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	26.0/19.2/12.4				
Sound power level	Cooling		dB(A)	51	54	58	51	54	58	58				
	Heating		dB(A)	51	54	58	51	54	58	58				
Sound pressure level	Cooling	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29	33/31/28	37/33/29	41/35/29	41/35/29				
	Heating	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29	33/31/28	37/33/29	41/35/29	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			RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1				
Dimensions	Unit	HeightxWidthxDepth	990x940x320		1,430x940x320			990x940x320		1,430x940x320				
Weight	Unit		78		102			80		101				
Fan - Air flow rate	Cooling	Nom.	59		70		84		59		70		84	
	Heating	Nom.	49		62		69		49		62		69	
Sound power level	Cooling		64		66		67		64		66		69	
	Heating		48		50		51		48		50		52	
Sound pressure level	Heating	Nom.	50		52		53		50		52		53	
	Night quiet mode	Level 1	43		45		43		45		45		45	
Operation range	Cooling	Ambient	Min.~Max.	-15~50										
	Heating	Ambient	Min.~Max.	-20~15.5										
Refrigerant	Type/GWP		R-410A/1,975											
Piping connections	Piping length	OU - IU	Max.	50		75		50		75				
		System Equivalent	m	70		90		70		90				
	Level difference	IU - OU	Max.	30.0										
		IU - IU	Max.	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				

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