

Air Conditioners

Heating & Cooling

SkyAir[®]

- » **Energy label:
Up to class A**
- » **Heat pump system**
- » **Seasonal inverter
technology**
- » **Round flow 360° air
discharge**
- » **Fits flush
into a false ceiling**
- » **Decoration panel
available in
3 variations**
- » **Higher comfort &
efficiency with the
auto cleaning panel**
- » **Multi model
application**

Round Flow Cassette



www.daikin.eu



FCQ-C8

As one of the leading manufacturers of air conditioning systems for both the retail and business markets, Daikin aims to meet 100% of your specific demands regarding temperature and air quality. We do this by developing integrated air conditioning solutions which guarantee a high quality and healthy indoor environment and which, over and above that, also provide considerable energy savings.

The FCQ-C8 Round flow cassette model which, with its 360° air discharge pattern, provides improved air distribution and a more constant temperature in large areas. The decoration panel is available in 2 different colours and blends in perfectly with the traditional and contemporary white ceilings.

Daikin introduces the first auto cleaning cassette to the European market. With this decoration panel energy & maintenance costs will be lower and comfort will be increased.

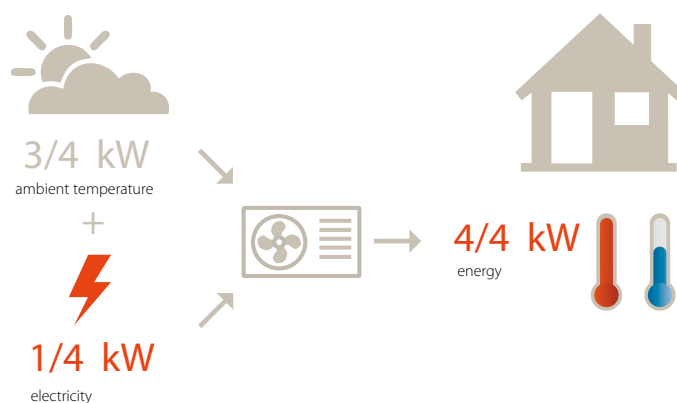
The slim 'Thin Body' FCQ-C8 model, has a low installation height, is exceptionally suited to applications in false ceilings and operates with less draught and whisper quiet.

Combining highest efficiency and year-round comfort with a heat pump system

Did you know that ...

Air to air heat pumps use 3/4th of energy from renewable sources: the ambient air. This energy source is renewable and inexhaustible*. Of course, heat pumps also use 1/4th of electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling.

* EU objective COM (2008)/30



Seasonal Inverter

In line with technological advancements and stricter environmental legislation, Daikin Europe N.V. is committed to leading the way in energy-efficient residential and commercial cooling solutions. A good example of this is Daikin's Sky Air® Seasonal Inverter, the first on the market to anticipate Europe's new stricter environmental requirements.

A bit of background: Europe has set aggressive targets for energy efficiency and environmental impact to be reached by 2020. In line with these goals, more accurate measurement of the real-life energy efficiency of systems will also be required from 2013.

This improved efficiency rating, referred to as 'seasonal efficiency' or SEER, measures actual energy consumption over an entire heating or cooling season. This means that it takes into account different outdoor temperatures and the resulting required capacities.

Daikin Europe N.V. is leading the way with its Sky Air® Seasonal Inverter line. These light commercial air conditioning units are the first on the market to anticipate the more accurate seasonal efficiency criteria that will apply after 2013.

Because of the optimized inverter control, the Sky Air® Seasonal Inverter performs better across the entire range of outdoor temperatures. Next to this, the auxiliary modes have been redesigned in order to reduce energy consumption when the unit is not operating (e.g. standby mode).

The result: up to 20% better seasonal efficiency than the current Sky Air® Super Inverter in real-life situations, and more than 50% compared to non-inverter systems.

Seasonal Inverter



All the Comfort Functions for a Healthy Indoor Climate

The Round flow provides comfortable air discharge in all directions. Thanks to the unique **360° radial air distribution pattern**, so-called dead corners - and temperature differences - are definitely something of the past. An incorporated **air filter** traps the smallest dust particles and, in so doing, ensures that there is a constant inflow of pure air. The indoor unit operates in an almost inaudible manner: the noise it makes amounts to **barely 27 dBA**, which corresponds to rustling leaves. For even greater comfort, you can choose between various settings by simply using the remote control.

> Auto swing

The vertical auto swing system makes the outflow louvers move up and down automatically, enabling even distribution of air and temperature in the room. There are three settings to choose from: standard, draught prevention and ceiling soiling prevention. The last-mentioned setting prevents the air from blowing too long in a horizontal position, which in turn prevents the ceiling from being soiled.

> Automatic airflow regulation

The airflow pattern that was last selected is saved and automatically set again when the air conditioner is started up again. The factory setting is 65° for heating and 30° for cooling.

> Draught prevention

This setting sees to it that when the heating is turned on, there is an automatic switch to horizontal air flow. This helps prevent draughts.

> Automatic cooling/heating changeover

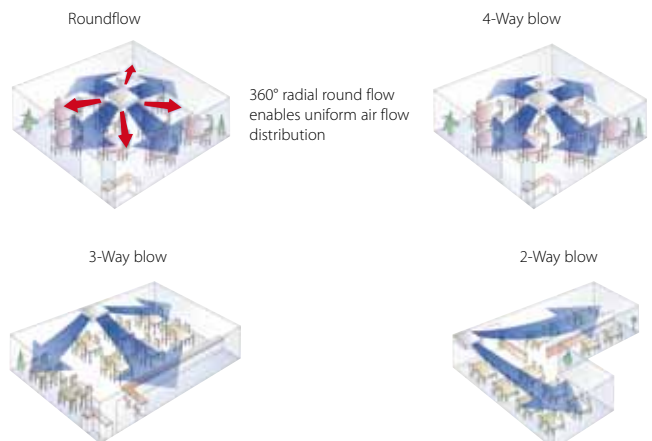
The Roundflow automatically selects heating or cooling mode to maintain the pre-set temperature.

> Round flow air discharge principle

Another unique benefit is that the 360° air discharge pattern reduces the air flow and temperature fluctuations, with the result that fewer on/off cycles are required. This round flow air discharge principle therefore provides additional energy savings.

> 23 air flow patterns

The indoor unit blows air out over 360°, but the optional closure kit make it possible to achieve 2-way, 3-way and 4-way flow patterns, which means you can install the Roundflow in a corner, next to a wall or in a confined space. In total, you have no less than 23 different air flow patterns at your disposal. By means of a separate connection (optional) the indoor unit can also have a maximum of 20% fresh air intake.



Straightforward Installation means Low Costs



» **Auto cleaning decoration panel:**

a new option for Round flow cassettes

Daikin launches a new decoration panel for the Round flow cassette, equipped with a special filter, which automatically cleans itself once a day. All dust coming from this filter is stored in the indoor unit (dust box) and can easily be removed with a normal vacuum cleaner. With this decoration panel energy and maintenance costs will be lower and comfort will be increased.

» **Higher efficiency and comfort**

With the auto cleaning decoration panel the filter is cleaned everyday and therefore the energy consumption remains constant. This results in an energy saving up to 10% to yearly filter cleaning with a standard decoration panel.



» **Easy maintenance and Lower maintenance costs**

- > Once a day the rounded filter turns 360° to pass the special brush. The timing can be programmed with the remote controller.

- > The caught dust is sent to the dust box. On average this box can contain the dust of 1 year for office applications and half a year for shop applications (depending on annual operation hours and shop type).

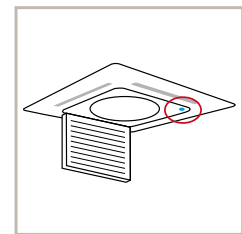
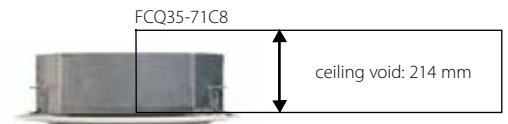
- > Removal of dust can easily be done with a vacuum cleaner:
 - > Quick
 - > No qualified personnel required
 - > No ladder or other equipment is needed
 - > No rearrangement of shop interior is required to access the unit
 - > Not necessary to open the decoration panel
 - > Not necessary to touch the dust

The Round flow cassette has a **decorative front panel**, available in 2 different colours: White with white louvers (RAL9010) and white (RAL9010) with grey louvers.





- > It is no accident that the round flow cassette was awarded the “Good Design Award”, a prestigious distinction in Japan in industrial design field.
- > **The grille is also much less visibly integrated** so that the unit is more elegant and blends in **discreetly** with the traditional and contemporary white ceilings.
- > The **limited depth** (minimum installation height of 214 mm) enables the indoor unit to fit flush into false ceilings. It is possible to close the flaps so that the unit can be installed in the middle of the room, in a corner or in a confined space.
- > **The condensation channel can be checked effortlessly** via a transparent drain sleeve, plus there is easy access to the drain plug. Checks can be carried out without removing the front panel.
- > The **outdoor unit** can be installed on the roof, terrace or against an outside wall.
- > **Round flow air discharge principle**
Another unique benefit is that the 360° air discharge pattern reduces the air flow and temperature fluctuations, with the result that fewer on/off cycles are required. This round flow air discharge principle therefore provides additional energy savings.



Super complete remote control

- > The newly developed **wired remote control BRC1E51A (optional)** has a modern design in pure white (RAL 9010). Large buttons and arrow keys as well as the given explanation for each setting on the display, makes the remote control easy to operate. A holiday setting, home leave operation, and an improved weekly timer are included. The wired remote control is available in following languages: English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian and Turkish.
- > **Home leave operation**
In case of extended absence, this function helps to save energy. If there is no one in the area for an extended period, e.g. during holidays or closing days, this function automatically sets the room temperature to a minimum of 10°C. At this point, all connected indoor units will switch over to heating mode. The function will be deactivated as soon as the room temperature reaches 15°C, and it will also have to be switched off when the room is in use again.
- > With the **optional ON/OFF function**, the air conditioner can, with a mobile phone, be switched on and off remotely. With this function you can also make the unit switch off automatically, e.g. when someone opens a window.
- > The **indoor unit has the D3-net connection as a standard accessory** and can be controlled via a centralised control system (iManager and iTouch Controller).



Wired remote control BRC1E51A (Optional)



Infrared remote control (Optional)

Application options

- > Depending on your air conditioning need, you can **have your unit either heat or cool (heat pump).**
- > The indoor unit is suited to **single-split application** (one indoor unit connected to one outdoor unit), **twin, triple or double twin applications** (a maximum of four indoor units in the same room to one outdoor unit) and **multi-split application** (a maximum of nine indoor units in different rooms to one outdoor unit).



Heating & Cooling

| INDOOR UNITS | | | | FCQ35C8 | FCQ50C8 | FCQ60C8 | |
|---------------------------|-------------------------|--------------------|---------------------|--|---------------------------------------|---------------------------|---------------------------|
| Cooling capacity | min./nom./max. | | | kW | 1.4/3.4 ³ /3.7 | 0.9/5.0 ³ /5.6 | 0.9/5.7 ³ /6.0 |
| Heating capacity | min./nom./max. | | | kW | 1.4/4.2 ⁴ /5.0 | 0.9/6.0 ⁴ /7.0 | 0.9/7.0 ⁴ /8.0 |
| Power input | cooling | nom. | kW | 0.95 | 1.410 | 1.640 | |
| | heating | nom. | kW | 1.230 | 1.620 | 1.990 | |
| EER | | | | 3.58 | 3.55 | 3.48 | |
| COP | | | | 3.41 | 3.70 | 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 | 19 | | |
| Casing | material | | | Galvanised steel plate | | | |
| Fan - Air flow rate | cooling | high/low | m ³ /min | 10.5/8.5 | 12.5/8.5 | 13.5/8.5 | |
| | heating | high/low | m ³ /min | 12.5/10.0 | 12.5/8.5 | 13.5/8.5 | |
| Sound pressure level | cooling | high/low | dB(A) | | 31/27 | 33/28 | |
| | heating | high/low | dB(A) | | 31/27 | 33/28 | |
| Sound power level | cooling | high | dB(A) | | 49 | 51 | |
| Power supply | phase/frequency/voltage | | | Hz/V | 1~/50/60/220-240/220 | | |
| Piping connections | liquid | OD | mm | ø6.4 | | | |
| | gas | OD | mm | ø9.5 | | | |
| | drain | OD | mm | ø32 | | | |
| Decoration panel | model | | | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | | |
| | colour | | | Pure White(RAL 9010) | | | |
| | dimensions | heightxwidthxdepth | | mm | 50x950x950 / 50x950x950 / 130x950x950 | | |
| | weight | | | kg | 5.5 | | |

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Nominal cooling capacities are based on: return air temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent refrigerant piping: length 5m (horizontal) (4) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt.

| OUTDOOR UNITS | | | | RXS35G | RXS50G | RXS60F |
|----------------------|-------------------------------|--------------------|------------|--------------------------------------|--|-------------|
| Dimensions | unit | heightxwidthxdepth | | mm | 550x765x285 | 735x825x300 |
| Weight | unit | | | kg | 34 | 48 |
| Operation range | cooling | ambient | min.-max. | °CDB | -10~-46 | |
| | heating | ambient | min.-max. | °CWB | -15~20 | -15~-18 |
| Sound pressure level | cooling | high/silent | dB(A) | 48/44 | | 49/46 |
| | heating | high/silent | dB(A) | 48/45 | | 49/46 |
| Sound power level | cooling | nom. | dB(A) | 63 | 62 | 63 |
| Compressor | type | | | Hermetically sealed swing compressor | | |
| Refrigerant | type | | | R-410A | | |
| Power supply | phase/frequency/voltage | | | Hz/V | 1~/50/230 | |
| Piping connections | piping length | system | equivalent | m | 30 | |
| | additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) | |
| | level difference | IU - OU | max. | m | 15 | 20 |



Seasonal Inverter

Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 | FCQ125C8 | FCQ140C8 | FCQ100C8 | FCQ125C8 | FCQ140C8 |
|---------------------------|-------------------------|--------------------|---------------------|---------------------------------------|--|-------------------|-------------------|------------------------|--------------------|--------------------|
| Capacity | cooling | nom. | kW | 7.1 ³ | 10.0 ³ | 12.5 ³ | 14.0 ³ | 10.00 ³ | 12.50 ³ | 14.00 ³ |
| | heating | nom. | kW | 8.0 ⁴ | 11.2 ⁴ | 14.0 ⁴ | 16.0 ⁴ | 11.20 ⁴ | 14.00 ⁴ | 16.00 ⁴ |
| Power input | cooling | nom. | kW | 2.11 | 2.64 | 3.70 | 5.11 | 2.640 | 3.880 | 5.36 |
| | heating | nom. | kW | 2.21 | 2.96 | 3.88 | 4.89 | 3.140 | 4.360 | 5.69 |
| EER | | | | 3.36 | 3.79 | 3.38 | 2.74 | 3.49 | 3.22 | 2.61 |
| ESEER | | | | 3.71 | 3.54 | 3.73 | 3.14 | 3.56 | 3.58 | 3.01 |
| COP | | | | 3.62 | 3.78 | 3.61 | 3.27 | 3.57 | 3.21 | 2.81 |
| Energy label | cooling/heating | | | A/A | | | D/C | A/B | A/C | D/D |
| Annual energy consumption | kWh | | | 1,055 | 1,319 | 1,849 | 2,555 | 1,320 | 1,940 | 2,680 |
| Dimensions | unit | heightxwidthxdepth | mm | 246x840x840 | | 288x840x840 | | 288x840x840 | | |
| Weight | unit | | | 23 | | 25 | | 25 | | |
| Casing | material | | | | Galvanised steel plate | | | Galvanised steel plate | | |
| Fan - Air flow rate | cooling | high/low | m ³ /min | 21.9/12.1 | 34.2/17.6 | 34.2/21.2 | 34.2/23.8 | 34.2/17.6 | 34.2/21.2 | 34.2/23.8 |
| | heating | high/low | m ³ /min | 21.9/12.1 | 34.2/17.6 | 34.2/21.3 | 34.2/23.9 | 34.2/17.6 | 34.2/21.3 | 34.2/23.9 |
| Sound pressure level | cooling | high/low | dB(A) | 36/28 | 45/32 | 45/36 | 45/38 | 45/32 | 45/36 | 45/38 |
| | heating | high/low | dB(A) | 36/28 | 45/32 | 45/36 | 45/38 | 45/32 | 45/36 | 45/38 |
| Sound power level | cooling | high | dB(A) | 54 | 62 | | | 62 | | |
| Power supply | phase/frequency/voltage | Hz/V | | 1~/50/60/220-240/220 | | | | 1~/50/60/220-240/220 | | |
| Piping connections | liquid | OD | mm | ø9.52 | | | ø9.52 | | | |
| | gas | OD | mm | ø15.9 | | | ø15.9 | | | |
| | drain | OD | mm | ø26 | | | ø26 | | | |
| Decoration panel | model | | | | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | | | | |
| | colour | | | | Pure White(RAL 9010) | | | | | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | | | | | | |
| | weight | | | | 5.5 | | | | | |

(1) Energy label: scale from A (most efficient) to G (less efficient). (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions). (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with RZQ-D/RZQ-B.

| OUTDOOR UNITS | | | | RZQ71D3V1 | RZQ100D9V1 | RZQ125D9V1 | RZQ140D9V1 | RZQ100B9W1 | RZQ125B9W1 | RZQ140B9W1 |
|----------------------|-------------------------------|--------------------|----------------|---------------------------|------------|----------------------------|------------|-------------------------|----------------------------|------------|
| Dimensions | unit | heightxwidthxdepth | mm | 770x900x320 | | 1,345x900x320 | | | 1,345x900x320 | |
| Weight | unit | | | 67 | | 106 | | | 106 | |
| Operation range | cooling | ambient | min.-max. °CDB | -15.0~-50.0 | | | | -15.0~-50.0 | | |
| | heating | ambient | min.-max. °CWB | -20.0~-15.5 | | | | -20.0~-15.5 | | |
| Sound pressure level | cooling | nom. | dB(A) | 48 | 49 | 50 | | 49 | 50 | |
| | heating | nom. | dB(A) | 50 | 49 | 52 | | 49 | 52 | |
| | night quiet mode | | | 43 | 45 | | | 45 | | |
| Sound power level | cooling | nom. | dB(A) | 64 | 65 | 66 | | 65 | 66 | |
| Compressor | | | | Hermetically sealed swing | | Hermetically sealed scroll | | | Hermetically sealed scroll | |
| Refrigerant | | | | R-410A | | | | R-410A | | |
| Power supply | phase/frequency/voltage | Hz/V | | 1~/50/220-240 | | | | 3N~/50/400 | | |
| | additional refrigerant charge | kg/m | | See installation manual | | | | See installation manual | | |
| Piping connections | level difference | IU - OU | max. m | 30 | | | | 30 | | |
| | | IU - IU | max. m | 0.5 | | | | 0.5 | | |
| | piping length | system | equivalent m | 70 | 75 | | | 75 | | |



Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 | FCQ125C8 | FCQ140C8 |
|---------------------------|-------------------------|--------------------|---------------------|--|-------------------|-------------------|-------------------|
| Cooling capacity | nom. | | kW | 7.1 ³ | 10.0 ³ | 12.5 ³ | 14.0 ³ |
| Heating capacity | nom. | | kW | 8.0 ⁴ | 11.2 ⁴ | 14.0 ⁴ | 16.0 ⁴ |
| Power input | cooling | nom. | kW | 2.28 | 3.22 | 4.02 | 5.36 |
| | heating | nom. | kW | 2.35 | 3.28 | 4.06 | 4.98 |
| EER | | | | | 3.11 | | 2.61 |
| COP | | | | 3.41 | | 3.45 | 3.21 |
| Annual energy consumption | | | kWh | 1,141 | 1,608 | 2,010 | 2,682 |
| Energy label | cooling/heating | | | | B/B | | D/C |
| Dimensions | unit | heightxwidthxdepth | mm | 204x840x840 | | 246x840x840 | |
| Weight | unit | | kg | 21 | | 23 | |
| Casing | material | | | Galvanised steel plate | | | |
| Fan - Air flow rate | cooling | high/low | m ³ /min | 15.5/9.0 | 23.5/16.0 | 27.5/19.0 | |
| | heating | high/low | m ³ /min | 16.0/9.5 | 23.5/16.0 | 27.5/19.0 | |
| Sound pressure level | cooling | high/low | dBA | 33/28 | 37/32 | 41/35 | |
| | heating | high/low | dBA | 34/28 | 37/32 | 41/35 | 42/35 |
| Sound power level | cooling | high | dBA | 51 | 54 | 58 | |
| Power supply | phase/frequency/voltage | | | 1~/50/60/220-240/220 | | | |
| Piping connections | liquid | OD | mm | ø9.52 | | | |
| | gas | OD | mm | ø15.9 | | | |
| | drain | OD | mm | ø26 | | | |
| Decoration panel | model | | | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | | |
| | colour | | | Pure White(RAL 9010) | | | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | | | |
| | weight | | kg | 5.5 | | | |

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Nominal cooling capacities are based on: return air temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent refrigerant piping: length 5m (horizontal) (4) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with RZQS-D.

| OUTDOOR UNITS | | | | | RZQS71DV1 | RZQS100DV1 | RZQS125DV1 | RZQS140DV1 |
|----------------------|-------------------------------|--------------------|------------|------|----------------------------|---------------|------------|------------|
| Dimensions | unit | heightxwidthxdepth | mm | | 770x900x320 | 1,170x900x320 | | |
| Weight | unit | | kg | | 68 | 103 | | |
| Operation range | cooling | ambient | min.~max. | °CDB | -5.0~46 | | | |
| | heating | ambient | min.~max. | °CWB | -15~-15.5 | | | |
| Sound pressure level | cooling | nom. | | dBA | 49 | 51 | | 52 |
| | heating | nom. | | dBA | 51 | 55 | 53 | 54 |
| | night quiet mode | level 1 | | dBA | 47 | | 49 | 50 |
| Sound power level | cooling | nom. | | dBA | 65 | | 67 | 68 |
| Compressor | | | | type | Hermetically sealed scroll | | | |
| Refrigerant | | | | type | R-410A | | | |
| Power supply | phase/frequency/voltage | | | Hz/V | 1~/50/220-240 | | | |
| | additional refrigerant charge | | | kg/m | See installation manual | | | |
| Piping connections | level difference | IU - OU | max. | m | 15 | | 30 | |
| | | IU - IU | max. | m | | 0.5 | | |
| | piping length | system | equivalent | m | 40 | | 70 | |



Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 |
|---------------------------|--|--------------------|---------------------|---------------------------------------|-------------------|
| Cooling capacity | nom. | | kW | 7.1 ³ | 10.0 ³ |
| Heating capacity | nom. | | kW | 8.0 ⁴ | 11.2 ⁴ |
| Power input | cooling | nom. | kW | 2.72 | 3.83 |
| | heating | nom. | kW | 2.85 | 3.75 |
| EER | | | | 2.61 | |
| COP | | | | 2.81 | 2.99 |
| Annual energy consumption | | | kWh | 1,360 | 1,915 |
| Energy label | cooling/heating | | | D/D | |
| Dimensions | unit | heightxwidthxdepth | mm | 204x840x840 | 246x840x840 |
| Weight | unit | | kg | 21 | 23 |
| Casing | material Galvanised steel plate | | | | |
| Fan-Air flow rate | cooling | high/low | m ³ /min | 15.5/9.0 | 23.5/16.0 |
| | heating | high/low | m ³ /min | 16.0/9.5 | 23.5/16.0 |
| Sound pressure level | cooling | high/low | dBA | 33/28 | 37/32 |
| | heating | high/low | dBA | 34/28 | 37/32 |
| Sound power level | cooling | high | dBA | 51 | 54 |
| Power supply | phase/frequency/voltage | | | 1~/50/60/220-240/220 | |
| Piping connections | liquid | OD | mm | ø 9.52 | |
| | gas | OD | mm | ø 15.9 | |
| | drain | OD | mm | ø 26 | |
| Decoration panel | model BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | | | |
| | colour Pure White(RAL 9010) | | | | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | |
| | weight | | kg | 5.5 | |

| OUTDOOR UNITS | | | | | RQ71BV3 | RQ100BV3 |
|----------------------|--|--------------------|-----------|------|-------------|---------------|
| Dimensions | unit | heightxwidthxdepth | mm | | 770x900x320 | 1,170x900x320 |
| Weight | unit | | kg | | 84 | 103 |
| Operation range | cooling | ambient | min.~max. | °CDB | -5.0~46.0 | |
| | heating | ambient | min.~max. | °CWB | -10.0~15.0 | |
| Sound pressure level | cooling | nom. | | dBA | 50.0 | 53.0 |
| Sound power level | cooling | nom. | | dBA | 63.0 | 66.0 |
| Compressor | type Hermetically sealed scroll compressor | | | | | |
| Refrigerant | type R-410A | | | | | |
| Power supply | phase/frequency/voltage | | | Hz/V | | 1~/50/230 |
| Piping connections | piping length | max. | OU - IU | m | 70 | |
| | additional refrigerant charge | | | kg/m | - | |
| | level difference | IU - OU | max. | m | 30 | |
| | IU - IU | max. | m | 0.5 | | |

(1) Energy label: scale from A (most efficient) to G (less efficient). (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions). (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with RQ-B.



Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 | FCQ125C8 |
|---------------------------|-------------------------|--------------------|---------------------|--|-------------------|-------------------|
| Cooling capacity | nom. | | kW | 7.1 ³ | 10.0 ³ | 12.5 ³ |
| Heating capacity | nom. | | kW | 8.0 ⁴ | 11.2 ⁴ | 14.6 ⁴ |
| Power input | Cooling | nom. | kW | 2.66 | 3.56 | 4.66 |
| | heating | nom. | kW | 2.8 | 3.66 | 5.06 |
| EER | | | | 2.67 | 2.81 | 2.68 |
| COP | | | | 2.86 | 3.06 | 2.89 |
| Annual energy consumption | | | kWh | 1,330 | 1,780 | 2,330 |
| Energy label | cooling/heating | | | D/D | | D/D |
| Dimensions | unit | heightxwidthxdepth | mm | 204x840x840 | 246x840x840 | |
| Weight | unit | | kg | 21 | 23 | |
| Casing | material | | | Galvanised steel plate | | |
| Fan-Air flow rate | cooling | high/low | m ³ /min | 15.5/9.0 | 23.5/16.0 | 27.5/19.0 |
| | heating | high/low | m ³ /min | 16.0/9.5 | 23.5/16.0 | 27.5/19.0 |
| Sound pressure level | cooling | high/low | dBA | 33/28 | 37/32 | 41/35 |
| | heating | high/low | dBA | 34/28 | 37/32 | 41/35 |
| Sound power level | cooling | high | dBA | 51 | 54 | 58 |
| Power supply | phase/frequency/voltage | | Hz/V | 1~/50/60/220-240/220 | | |
| Piping connections | liquid | OD | mm | ø 9.52 | | |
| | gas | OD | mm | ø 15.9 | | |
| | drain | OD | mm | ø 26 | | |
| Decoration panel | model | | | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | |
| | colour | | | Pure White(RAL 9010) | | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | | |
| | weight | | kg | 5.5 | | |

| OUTDOOR UNITS | | | | RQ71BW1 | RQ100BW1 | RQ125BW1 |
|----------------------|-------------------------------|--------------------|----------------|---------------------------------------|---------------|----------|
| Dimensions | unit | heightxwidthxdepth | mm | 770x900x320 | 1,170x900x320 | |
| Weight | unit | | kg | 83 | 101 | 108 |
| Operation range | cooling | ambient | min.~max. °CDB | -5.0~46.0 | | |
| | heating | ambient | min.~max. °CWB | -10.0~15.0 | | |
| Sound pressure level | cooling | nom. | dBA | 50.0 | 53.0 | |
| Sound power level | cooling | nom. | dBA | 63.0 | 66.0 | 67.0 |
| Compressor | type | | | Hermetically sealed scroll compressor | | |
| Refrigerant | type | | | R-410A | | |
| Power supply | phase/frequency/voltage | | Hz/V | 3N~/50/400 | | |
| Piping connections | pipng length | max. | OU - IU m | 70 | | |
| | additional refrigerant charge | | kg/m | - | | |
| | level difference | IU - OU max. | m | 30 | | |
| | | IU - IU max. | m | 0.5 | | |

(1) Energy label: scale from A (most efficient) to G (less efficient). (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions). (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with RQ-B.

Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 |
|---------------------------|---------------------------------|--------------------|---------------------|--|--------------------|
| Cooling capacity | nom. | | kW | 7.10 ³ | 10.00 ³ |
| Heating capacity | nom. | | kW | 8.00 ⁴ | 11.20 ⁴ |
| Power input | cooling | nom. | kW | 2,720 | 3,830 |
| | heating | nom. | kW | 2,850 | 3,750 |
| EER | | | | 2.61 | |
| COP | | | | 2.81 | 2.99 |
| Annual energy consumption | | | kWh | 1,360 | 1,915 |
| Energy label | cooling/Heating | | | D/D | |
| Dimensions | unit | heightxwidthxdepth | mm | 204x840x840 | 246x840x840 |
| Weight | unit | | kg | 21 | 23 |
| Casing | material Galvanised steel plate | | | | |
| Fan-Air flow rate | cooling | high/low | m ³ /min | 15.5/9.0 | 23.5/16.0 |
| | heating | high/low | m ³ /min | 16.0/9.5 | 23.5/16.0 |
| Sound pressure level | cooling | high/low | dBA | 33/28 | 37/32 |
| | heating | high/low | dBA | 34/28 | 37/32 |
| Sound power level | cooling | high | dBA | 51 | 54 |
| Power supply | phase/frequency/voltage | | | 1~/50/60/220-240/220 | |
| Piping connections | liquid | OD | mm | ø 9.52 | |
| | gas | OD | mm | ø 15.9 | |
| | drain | OD | mm | ø 26 | |
| Decoration panel | model | | | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | |
| | colour | | | Pure White(RAL 9010) | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | |
| | weight | | kg | 5.5 | |

| OUTDOOR UNITS | | | | REQ71BV3 | REQ100BV3 |
|----------------------|--|--------------------|----------------|-------------|---------------|
| Dimensions | unit | heightxwidthxdepth | mm | 770x900x320 | 1,170x900x320 |
| Weight | unit | | kg | 83 | 102 |
| Operation range | cooling | ambient | min.~max. °CDB | 10.0~46.0 | |
| | heating | ambient | min.~max. °CWB | -10~15 | |
| Sound pressure level | cooling | nom. | dBA | 53.0 | 57.0 |
| Sound power level | cooling | nom. | dBA | 65.0 | 70.0 |
| Compressor | type Hermetically sealed scroll compressor | | | | |
| Refrigerant | type R-410A | | | | |
| Power supply | phase/frequency/voltage | | | 1~/50/230 | |
| Piping connections | piping length | max. | OU - IU | 50 | |
| | additional refrigerant charge | | | - | |
| | level difference | IU - OU | max. | 30 | |
| | | IU - IU | max. | 0.5 | |

(1) Energy label: scale from A (most efficient) to G (less efficient). (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions). (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1W decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with REQ-B.



Heating & Cooling

| INDOOR UNITS | | | | FCQ71C8 | FCQ100C8 | FCQ125C8 |
|---------------------------|-------------------------|--|---------------------|---------------------------------------|--------------------|--------------------|
| Cooling capacity | nom. | | kW | 7.10 ³ | 10.00 ³ | 12.50 ³ |
| Heating capacity | nom. | | kW | 8.00 ⁴ | 11.20 ⁴ | 14.60 ⁴ |
| Power input | cooling | nom. | kW | 2,660 | 3,560 | 4,660 |
| | heating | nom. | kW | 2,800 | 3,660 | 5,060 |
| EER | | | | 2.67 | 2.81 | 2.68 |
| COP | | | | 2.86 | 3.06 | 2.89 |
| Annual energy consumption | | | kWh | 1,330 | 1,780 | 2,330 |
| Energy label | cooling/heating | | | D/D | C/D | D/D |
| Dimensions | unit | heightxwidthxdepth | mm | 204x840x840 | | |
| Weight | unit | | kg | 21 | 23 | |
| Casing | material | | | Galvanised steel plate | | |
| Fan-Air flow rate | cooling | high/low | m ³ /min | 15.5/9.0 | 23.5/16.0 | 27.5/19.0 |
| | heating | high/low | m ³ /min | 16.0/9.5 | 23.5/16.0 | 27.5/19.0 |
| Sound pressure level | cooling | high/low | dBA | 33/28 | 37/32 | 41/35 |
| | heating | high/low | dBA | 34/28 | 37/32 | 41/35 |
| Sound power level | cooling | high | dBA | 51 | 54 | 58 |
| Power supply | phase/frequency/voltage | | | 1~/50/60/220-240/220 | | |
| Piping connections | liquid | OD | mm | ø 9.52 | | |
| | gas | OD | mm | ø 15.9 | | |
| | drain | OD | mm | ø 26 | | |
| Decoration panel | model | BYCQ140CW1 / BYCQ140CW1W / BYCQ140CGW1 | | | | |
| | colour | Pure White(RAL 9010) | | | | |
| | dimensions | heightxwidthxdepth | mm | 50x950x950 / 50x950x950 / 130x950x950 | | |
| | weight | | kg | 5.5 | | |

| OUTDOOR UNITS | | | | REQ71BW1 | REQ100BW1 | REQ125BW1 |
|----------------------|-------------------------------|--------------------|----------------|---------------------------------------|---------------|-----------|
| Dimensions | unit | heightxwidthxdepth | mm | 770x900x320 | 1,170x900x320 | |
| Weight | unit | | kg | 83 | 100 | 108 |
| Operation range | cooling | ambient | min.-max. °CDB | 10.0~46.0 | | |
| | heating | ambient | min.-max. °CWB | -10~-15 | | |
| Sound pressure level | cooling | nom. | dBA | 53.0 | 57.0 | |
| Sound power level | cooling | nom. | dBA | 65.0 | 70.0 | |
| Compressor | type | | | Hermetically sealed scroll compressor | | |
| Refrigerant | type | | | R-410A | | |
| Power supply | phase/frequency/voltage | | | 3N~/50/400 | | |
| Piping connections | piping length | max. | OU - IU m | 50 | | |
| | additional refrigerant charge | | kg/m | - | | |
| | level difference | IU - OU max. | m | 30 | | |
| | | IU - IU max. | m | 0.5 | | |

(1) Energy label: scale from A (most efficient) to G (less efficient). (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions). (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound pressure values are mentioned for a unit installed with rear suction. (6) The sound power level is an absolute value indicating the power which a sound source generates. (7) The BYCQ140CW1W has white insulations. Be informed that formation of dirt on white insulations is more visible and that it is consequently not advised to install the BYCQ140W1 decoration panel in environments exposed to concentrations of dirt. (8) The auto cleaning panel cannot be used in combination with REQ-B.



Indoor unit FCQ100,125,140C8



Wired remote control BRC1E51A, infrared remote control BRC7F532F



Outdoor unit RQZ100-140D9V1/B9W1



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