

Compact Roundflow Cassette

Seasonal Inverter



FCQ-C8 / RZQ-D(B9W1)



BRC1D52
Wired remote control (standard)



Self-cleaning option



BRC1E51A
Wired remote control (optional)



Wireless remote control (optional)



The unique 360° radial air pattern ensures uniform air flow and temperature distribution. The slim FCQ-C model has a low installation height, perfect for applications in restricted false ceilings and, achieves a high level of energy efficiently.

- **RZQ Seasonal Inverter technology:** first light commercial range in the market optimised for Seasonal Efficiency. Takes account of multiple cooling/heating temperatures as well as unit operation at partial load instead of just full capacity. Will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode).
- **Application flexibility:** Comms, computer and server room cooling possible. Also suitable for use in R-22 replacement projects.
- **Wired remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional).
- **BRC1E51A – New optional wired controller:** allows easy navigation through menu items, via a personalised display.
- **Self-cleaning panel (available as accessory):** Maintenance time and costs and energy consumption reduced. It is equipped with a special rounded filter, which automatically cleans itself once a day. The dust from this filter is stored in the indoor unit and can be removed with a normal vacuum cleaner.
- **Air flow flexibility:** a wide selection of 23 different airflow patterns enables unit installation in corners or small rooms.
- **Home Leave operation:** automatically keeps the room temperature at a specified favourite comfort level.
- **Horizontal air discharge:** ensures draught free operation and prevents ceiling soiling.
- **Air purification filter:** removes airborne dust particles to ensure a steady supply of clean air.
- **Self diagnosis digital display:** in the unlikely event that an abnormality occurs, the LCD remote controller displays the error code allowing prompt maintenance.
- **Auto-restart function:** after a power failure in the building, the system automatically restarts to the setting in operation before the power failure.

| | |
|--------|-------|
| Height | 204mm |
| Width | 840mm |
| Depth | 840mm |



FCQ71C8

| | |
|--------|-------|
| Height | 770mm |
| Width | 900mm |
| Depth | 320mm |



RZQ71D

See tables overleaf for full list of dimensions

ENERGY LABEL:
UP TO CLASS
A

HEAT PUMP

SEASONAL INVERTER

| Indoor Units | | | | FCQ71C8 | FCQ100C8 | | FCQ125C8 | | FCQ140C8 | | |
|------------------------------------|---------------------------|---|--------|--|------------------|---------------|------------------|---------------|------------------|---------------|--|
| Capacity | Cooling capacity | Standard | kW | 7.1 | 10.0 | | 12.5 | | 14.0 | | |
| | Heating capacity | Standard | kW | 8.0 | 11.2 | | 14.0 | | 16.0 | | |
| Nominal | EER / COP | Cooling / Heating | | 3.36 / 3.62 | 3.79 / 3.78 | 3.79 / 3.57 | 3.38 / 3.61 | 3.22 / 3.21 | 2.74 / 3.27 | 2.61 / 2.81 | |
| | Annual energy consumption | kWh | | 1055 | 1319 | 1320 | 1850 | 1940 | 2555 | 2680 | |
| | Energy Label | Cooling / Heating | | A / A | A / A | A / B | A / B | A / C | D / C | D / D | |
| Seasonal (*) | SEER / SCOP | Cooling / Heating | | 3.71 / - | 3.54 / - | 3.56 / - | 3.73 / - | 3.58 / - | 3.14 / - | 3.01 / - | |
| Dimensions | (Height x Width x Depth) | | mm | 204x840x840 | | 246x840x840 | | | | | |
| Weight | | | kg | 21 | | 23 | | | | | |
| Air Flow Rate | Cooling | High/Low | m³/min | 15.5 / 9.0 | | 23.5 / 16.0 | | 27.5 / 19.0 | | | |
| | Heating | High/Low | m³/min | 16.0 / 9.5 | | 23.5 / 16.0 | | 27.5 / 19.0 | | | |
| Sound Power | Cooling | High | dBA | 51 | | 54 | | 58 | | | |
| Sound Pressure | Cooling | High/Low | dBA | 33 / 28 | | 37 / 32 | | 41 / 35 | | | |
| | Heating | High/Low | dBA | 34 / 28 | | 37 / 32 | | 41 / 35 | | 42 / 35 | |
| Refrigerant | | | Type | R-410A | | | | | | | |
| Power Supply | | | | 1~/220-240V/50;60Hz | | | | | | | |
| Decoration Panel | Model | BYCQ140CW1 ¹ / BYCQ140CW1W ² / BYCQ140CGW1 ³ | | | | | | | | | |
| | Colour | Pure white (RAL 9010) | | | | | | | | | |
| | HxWxD | mm | | 50x950x950 / 50x950x950 / 130x950x950 | | | | | | | |
| | Weight | kg | | 5.5 / 5.5 / 11.5 | | | | | | | |
| Controller | Wired/Wireless | | | BRC1D52 (standard) / BRC7F532F (optional) BRC1E51A (optional) | | | | | | | |
| Outdoor Unit | | | | RZQ71D3V1 | RZQ100D9V1 | RZQ100B9W1 | RZQ125D9V1 | RZQ125B9W1 | RZQ140D9V1 | RZQ140B9W1 | |
| Dimensions | (Height x Width x Depth) | | mm | 770x900x320 | | 1345x900x320 | | 1345x900x320 | | 1345x900x320 | |
| Weight | | | kg | 67 | 108 | 106 | 108 | 106 | 108 | 106 | |
| Operation Range | Cooling | Min~Max | °CDB | -15.0~-50.0 | | | | | | | |
| | Heating | Min~Max | °CWB | -20.0~-15.5 | | | | | | | |
| Sound Power | Cooling | | dBA | 64 | 65 | 67 | 66 | 68 | 66 | | |
| Sound Pressure (Standard) | Cooling | | dBA | 48 | 50 | 51 | 50 | 51 | 50 | | |
| | Heating | | dBA | 50 | 52 | 53 | 52 | 53 | 52 | | |
| Sound Level (Night quiet) | | Sound Pressure | dBA | 43 | 45 | | | | 46 | 45 | |
| Refrigerant | | | Type | R-410A | | | | | | | |
| Power Supply | | | | 1~/220-240V/50Hz | 1~/220-240V/50Hz | 3N~/400V/50Hz | 1~/220-240V/50Hz | 3N~/400V/50Hz | 1~/220-240V/50Hz | 3N~/400V/50Hz | |
| Piping connections | Liquid (OD)/Gas/Drain | | mm | 9.52 / 15.9 / 26 | | | | | | | |
| Piping Length (Maximum) | | | m | 50 | 75 | | | | | | |
| Max. internunit level difference | | | m | 0.5 | | | | | | | |
| Max installation height difference | | | m | 30 | | | | | | | |

(*) Seasonal efficiencies are calculated based on draft PrEn 14825: 2009 (under inquiry stage). Data are subject to change.

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



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