

Large Capacity Concealed Ceiling Unit

FDQ-B / RZQ-D(B9W1) and FDQ-B / RZQ-C



The concealed ceiling units belong to the most aesthetically pleasing systems for your climate comfort. Only the suction and discharge grilles visible which provide optimum circulation of the conditioned air and even temperature distribution in large or subdivided areas.

- **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).
- **Seasonal and Super Inverter technology:** reduces power consumption by up to 70% compared to non inverter units and ensures maximum comfort and reliability.
- **Application flexibility:** Comms, computer and server room cooling possible. Also suitable for use in R-22 replacement projects (RZQ125 outdoor unit only).
- **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 and minimal number of buttons.
- **Home Leave operation:** in case of extended absence, this function automatically keeps the room temperature at a specified favourite comfort level, by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Air purification filter:** removes airborne dust particles to ensure a steady supply of clean air. It can easily be removed and washed.
- **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 | 350mm |
| Width | 1400mm |
| Depth | 662mm |



FDQ125B

| | |
|--------|--------|
| Height | 1345mm |
| Width | 900mm |
| Depth | 320mm |



RZQ125D

See tables overleaf for full list of dimensions

**ENERGY LABEL:
UP TO CLASS
A**

HEAT PUMP

SEASONAL INVERTER

SUPER INVERTER

| Indoor Units | | | | FDQ125B | FDQ200B | FDQ250B | |
|------------------------------------|---------------------------|-------------------|---------------------|--|-------------------|-----------------------|-----------------|
| Nominal Capacity | Cooling capacity | Standard | kW | 12.5 | 20.0 | 24.1 | |
| | Heating capacity | Standard | kW | 14.0 | 23.0 | 26.4 | |
| Nominal | EER / COP | Cooling / Heating | | 3.16 / 3.88 | 3.01 / 3.79 | 3.21 / 3.41 | |
| | Annual energy consumption | kWh | | 1978 | 3115 | 4290 | |
| | Energy Label | Cooling / Heating | | B / A | A / B | C / C | |
| Seasonal (*) | SEER / SCOP | Cooling / Heating | | 3.50 / - | 3.39 / - | | |
| Dimensions | (Height x Width x Depth) | | mm | 350x1400x662 | | 450x1400x900 | |
| Weight | | | kg | 59.0 | 93.0 | | |
| Air Flow Rate | Cooling | Medium | m ³ /min | 43.0 | 69.0 | 89.0 | |
| | Heating | Medium | m ³ /min | 43.0 | 69.0 | 89.0 | |
| Sound Power | Cooling | Medium | dBA | 75.0 | 81.0 | 82.0 | |
| Sound Pressure | Cooling | High | dBA | 44.0 | 45.0 | 47.0 | |
| | Heating | Low | dBA | 44.0 | 45.0 | 47.0 | |
| External Static Pressure | High | Pa | | 150 | 250 | | |
| Refrigerant | | | Type | R-410A | | | |
| Power Supply | | | | 1~/230V/50Hz | | | |
| Controller | Wired | | | BRC1D52 (standard) / BRC1E51A (optional) | | | |
| Outdoor Unit | | | | RZQ125D9V1 | RZQ125B9W1 | RZQ200C | RZQ250C |
| Dimensions | (Height x Width x Depth) | | mm | 1345x900x320 | | 1680x930x765 | |
| Weight | | | kg | 108 | 106 | 183 | 184 |
| Sound pressure (standard) | Cooling | | dBA | 51 | 50 | 57 | |
| | Heating | | dBA | 53 | 52 | 57 | |
| Sound power level | Cooling | | dBA | 67 | 66 | 78 | |
| Operation Range | Cooling | Min~Max | °CDB | -15.0~-50.0 | | -5.0~-46.0 | |
| | Heating | Min~Max | °CWB | -20.0~-15.5 | | -15.0~-15.0 | |
| Refrigerant | | | Type | R-410A | | | |
| Power Supply | | | | (**)1~/220-240V/50Hz | (**)3N~/400V/50Hz | (**)3N~/380-415V/50Hz | |
| Piping connections | Liquid (OD)/Gas | | mm | 9.52 / 15.9 / 26 | | 9.5 / 22,2 / - | 12.7 / 22,2 / - |
| Piping Length (Maximum) | | | m | 75 | | 100 | |
| Max Installation Height Difference | | | m | | | | 30 |

(*) Seasonal efficiencies are calculated based on draft PrEn 14825: 2009 (under inquiry stage). Data are subject to change.
 (***) A separate 15 amp power supply to the indoor unit is required.



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