



# Roundflow cassette

## VRV indoor unit

### FXFQ-B

### Unique round flow design



Daikin's unique 360° Roundflow cassette, re-engineered for Seasonal Efficiency now includes an optional auto cleaning filter, which automatically cleans itself daily, leading to yearly energy savings of up to 50%.



FXFQ20-63B

#### Features and benefits:

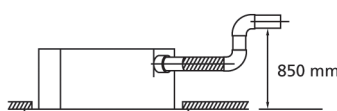
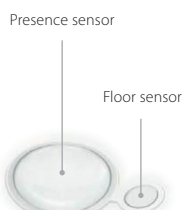
- > The Roundflow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- > 360° air discharge ensures uniform air flow and temperature distribution
- > Modern style decoration panel is available in four different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers and black (RAL9005)
- > 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 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, reducing cold feet problems.
- > Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52A) in case you 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: up to 20 %
- > Low installation height: 214mm for class 20-63
- > Standard drain pump with 850mm lift



BRC1H519W7



BRC7FA532F



\* Option not available in combination with BYCQ140D7GW1

# FXFQ-B

| Indoor Units                    |                        |                | FXFQ20B                                                                              | FXFQ25B    | FXFQ32B    | FXFQ40B    | FXFQ50B    | FXFQ63B    | FXFQ80B     | FXFQ100B   | FXFQ125B    |
|---------------------------------|------------------------|----------------|--------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|-------------|------------|-------------|
| Capacity                        | UK Total Cooling       | kW             | 1.80                                                                                 | 2.30       | 2.90       | 3.60       | 4.50       | 5.70       | 7.20        | 9.00       | 11.30       |
|                                 | UK Sensible Cooling    | kW             | 1.60                                                                                 | 1.90       | 2.60       | 3.00       | 3.60       | 4.60       | 5.80        | 6.90       | 8.60        |
|                                 | Nominal Cooling        | kW             | 2.20                                                                                 | 2.80       | 3.60       | 4.50       | 5.60       | 7.10       | 9.00        | 11.20      | 14.00       |
|                                 | Nominal Heating        | kW             | 2.50                                                                                 | 3.20       | 4.00       | 5.00       | 6.30       | 8.00       | 10.00       | 12.50      | 16.00       |
| Air Flow Rate                   | High                   | m³/sec         | 0.208                                                                                | 0.208      | 0.208      | 0.227      | 0.250      | 0.275      | 0.380       | 0.442      | 0.550       |
|                                 | Nom                    | m³/sec         | 0.177                                                                                | 0.177      | 0.177      | 0.193      | 0.213      | 0.225      | 0.293       | 0.325      | 0.442       |
|                                 | Low                    | m³/sec         | 0.147                                                                                | 0.147      | 0.147      | 0.158      | 0.175      | 0.175      | 0.207       | 0.207      | 0.332       |
| Dimensions                      | Height x Width x Depth | mm             | 204x840x840                                                                          |            |            |            |            |            | 246x840x840 |            | 288x840x840 |
| Weight                          |                        | kg             | 19                                                                                   | 19         | 19         | 20         | 21         | 21         | 24          | 24         | 26          |
| Standard Decoration Panels      | Model                  |                | Roundflow BYCQ140E white (standard panel) / Roundflow BYCQ140EB black                |            |            |            |            |            |             |            |             |
|                                 | Colour                 |                | Pure White (RAL 9010) / Black (RAL9005)                                              |            |            |            |            |            |             |            |             |
|                                 | Dimensions H x W x D   | mm             | 50x950x950                                                                           |            |            |            |            |            |             |            |             |
|                                 | Weight                 | kg             | 5.5                                                                                  |            |            |            |            |            |             |            |             |
| Fully White Decoration Panel    | Model                  |                | Roundflow with white louvres BYCQ140EW                                               |            |            |            |            |            |             |            |             |
|                                 | Colour                 |                | Pure White (RAL 9010)                                                                |            |            |            |            |            |             |            |             |
|                                 | Dimensions H x W x D   | mm             | 50x950x950                                                                           |            |            |            |            |            |             |            |             |
|                                 | Weight                 | kg             | 5.5                                                                                  |            |            |            |            |            |             |            |             |
| Self Cleaning Decoration Panels | Model                  |                | Roundflow self-cleaning BYCQ140EGF white / Roundflow self-cleaning BYCQ140EGFB black |            |            |            |            |            |             |            |             |
|                                 | Colour                 |                | Pure White (RAL 9010) / Black (RAL9005)                                              |            |            |            |            |            |             |            |             |
|                                 | Dimensions H x W x D   | mm             | 130x950x950                                                                          |            |            |            |            |            |             |            |             |
|                                 | Weight                 | kg             | 10.3                                                                                 |            |            |            |            |            |             |            |             |
| Electrical Details              | Running Current        | amps           | 0.3                                                                                  | 0.3        | 0.3        | 0.3        | 0.4        | 0.4        | 0.6         | 0.8        | 1.3         |
|                                 | Power Supply           | Phase / Hz / V | 1 / 50 / 230                                                                         |            |            |            |            |            |             |            |             |
|                                 | Fuse Rating            | amps           | 5.0                                                                                  |            |            |            |            |            |             |            |             |
| Sound Level                     | Sound Pressure         | High           | dBA                                                                                  | 31.0       | 31.0       | 31.0       | 33.0       | 33.0       | 35.0        | 38.0       | 43.0        |
|                                 |                        | Nom            | dBA                                                                                  | 29.0       | 29.0       | 29.0       | 31.0       | 31.0       | 33.0        | 34.0       | 37.0        |
|                                 |                        | Low            | dBA                                                                                  | 28.0       | 28.0       | 28.0       | 29.0       | 29.0       | 30.0        | 30.0       | 36.0        |
|                                 | Sound Power            |                | dBA                                                                                  | 49         | 49         | 49         | 51         | 51         | 53          | 55         | 60          |
|                                 |                        |                | dBA                                                                                  | 49         | 49         | 49         | 51         | 51         | 53          | 55         | 61          |
| Piping Connections              | Liquid                 | inch (mm)      | 1/4 (6.4)                                                                            | 1/4 (6.4)  | 1/4 (6.4)  | 1/4 (6.4)  | 1/4 (6.4)  | 3/8 (9.5)  | 3/8 (9.5)   | 3/8 (9.5)  | 3/8 (9.5)   |
|                                 | Gas                    | inch (mm)      | 1/2 (12.7)                                                                           | 1/2 (12.7) | 1/2 (12.7) | 1/2 (12.7) | 1/2 (12.7) | 5/8 (15.9) | 5/8 (15.9)  | 5/8 (15.9) | 5/8 (15.9)  |

## Notes:

- Cassette prices include standard decoration panel - self cleaning panel available as an accessory item
- BYCQ140E = pure white panel with grey louvers, BYCQ140EW = pure white standard panel with white louvers, BYCQ140EGF = Pure white auto cleaning panel with fine filter  
The BYCQ140EW has white insulations. Be informed that formations of dirt on white insulation is visibly stronger & that it is consequently not advised to install the decoration panel in environments exposed to concentrations of dirt
- For accessories please refer to pages 120 - 137

## Options & accessories

| Adapters and controls                                                                                     | FXFQ 20~125A   | Other options                                                                              | FXFQ 20~125A                                                                 |
|-----------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| BRC1H519W7, BRC1H519S7, BRC1H519K7 Wired touch screen remote controller (White, Silver and Black)         | •              | Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ) | BYCQ140EGF (self clean) *5 *6<br>BYCQ140EW (white) *3<br>BYCQ140E (standard) |
| BRC1D52 Standard wired remote control with weekly timer                                                   | •*4            | Kit for mounting of decoration panel direct onto unit                                      | -                                                                            |
| Infrared remote control including receiver                                                                | BRC7FA532F     | Panel spacer for reducing required installation height                                     | -                                                                            |
| BRC2E52A Simplified wired remote control for heat recovery                                                | -              | Sealing kit for 3-directional or 2 directional air discharge                               | KDBHQ55140 *7                                                                |
| BRC3E52A Simplified wired remote control for heat pump                                                    | -              | Fresh air intake kit                                                                       | KDDQ55B140-1 + KDDQ55B140-2 *7 *8                                            |
| DCS302C51 Central remote control                                                                          | •              | Air discharge adapter for round duct                                                       | -                                                                            |
| DCS301B51 Unified ON/OFF control                                                                          | •              | Filter chamber for bottom suction                                                          | -                                                                            |
| DST301B51 Schedule timer                                                                                  | •              | Replacement long life filter                                                               | KAFP551K160                                                                  |
| DCM601A51 Intelligent Touch Manager                                                                       | •              | Drain pump kit                                                                             | standard                                                                     |
| External wired temperature sensor                                                                         | KRCS01-4       | Sensor kit                                                                                 | BRYQ140A                                                                     |
| External wireless temperature sensor                                                                      | K.RSS          | Noise filter (for electromagnetic use only)                                                | -                                                                            |
| Adapter for wiring (interlock for fresh air intake fan)                                                   | -              |                                                                                            |                                                                              |
| Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140 Ω          | KRP4A53 *2 *7  |                                                                                            |                                                                              |
| Wiring adapter for external central monitoring / control (controls 1 entire system)                       | -              |                                                                                            |                                                                              |
| Wiring adapter with 4 output signals (compressor / Error, Fan, Aux. heater, Humidifier output)            | EKRP1C11 *2 *7 |                                                                                            |                                                                              |
| Wiring adapter with 2 output signals (compressor / Error, Fan)                                            | KRP1B57 *2 *7  |                                                                                            |                                                                              |
| Adapter for multi-tenant (24VAC PCB power interface)                                                      | DTA114A61      |                                                                                            |                                                                              |
| External control adapter for outdoor unit                                                                 | -              |                                                                                            |                                                                              |
| Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchboard) | KRP1H98 *7     |                                                                                            |                                                                              |
| Connector for forced-off contact                                                                          | standard       |                                                                                            |                                                                              |
| Connection to centralised control                                                                         | standard       |                                                                                            |                                                                              |
| Electrical box with earth terminal (2 blocks)                                                             | KJB212A        |                                                                                            |                                                                              |
| Electrical box with earth terminal (3 blocks)                                                             | KJB311A        |                                                                                            |                                                                              |
| Electrical box with earth terminal                                                                        | -              |                                                                                            |                                                                              |
| Digital input adapter                                                                                     | -              |                                                                                            |                                                                              |

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