



# 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:

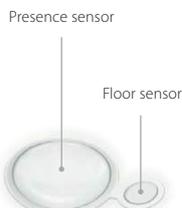
- > The Roundflow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- > 360° air discharge ensures uniform air flow and temperature distribution
- > Modern style decoration panel is available in four different variations: 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

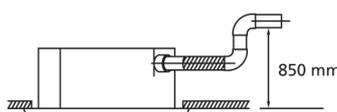


BRC7FA532F



Presence sensor

Floor sensor



\* 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	m <sup>3</sup> /sec	0.208	0.208	0.208	0.227	0.250	0.275	0.380	0.442	0.550	
	Nom	m <sup>3</sup> /sec	0.177	0.177	0.177	0.193	0.213	0.225	0.293	0.325	0.442	
	Low	m <sup>3</sup> /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	45.0
		Nom	dBA	29.0	29.0	29.0	31.0	31.0	33.0	34.0	37.0	41.0
	Sound Power	Low	dBA	28.0	28.0	28.0	29.0	29.0	30.0	30.0	30.0	36.0
			dBA	49	49	49	51	51	53	55	60	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:

- i) Cassette prices include standard decoration panel - self cleaning panel available as an accessory item
- ii) 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
- iii) For accessories please refer to pages 120 - 137

## Options & accessories

Adapters and controls	FXFQ 20~125A
BRC1H519W7, BRC1H519S7, BRC1H519K7 Wired touch screen remote controller (White, Silver and Black)	•
BRC1D52 Standard wired remote control with weekly timer	•*4
Infrared remote control including receiver	BRC7FA532F
BRC2E52A Simplified wired remote control for heat recovery	-
BRC3E52A Simplified wired remote control for heat pump	-
DCS302C51 Central remote control	•
DCS301B51 Unified ON/OFF control	•
DST301B51 Schedule timer	•
DCM601A51 Intelligent Touch Manager	•
External wired temperature sensor	KRCS01-4
External wireless temperature sensor	K.RSS
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	-

Other options	FXFQ 20~125A
Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	BYCQ140EGF (self clean) *5 *6 BYCQ140EW (white) *3 BYCQ140E (standard)
Kit for mounting of decoration panel direct onto unit	-
Panel spacer for reducing required installation height	-
Sealing kit for 3-directional or 2 directional air discharge	KDBHQ55140 *7
Fresh air intake kit	KDDQ55B140-1 + KDDQ55B140-2 *7 *8
Air discharge adapter for round duct	-
Filter chamber for bottom suction	-
Replacement long life filter	KAFP551K160
Drain pump kit	standard
Sensor kit	BRYQ140A
Noise filter (for electromagnetic use only)	-

- \*2 Installation box is necessary for these adapters
- \*3 The BYCQ140D7WIW has white insulation
- Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7WIW decoration panel in environments exposed to concentrations of dirt\*
- \*4 Not recommended because of the limitation of the functions
- \*5 To be able to control the BYCQ140D7GW1 the controller BRC1E is needed
- \*6 The BYCQ140DGW1 is not compatible with Mini VRV, Multi and Split Non-Inverter Outdoor units
- \*7 Option not available in combination with BYCQ140D7GW1
- \*8 Both parts of the fresh air intake are needed for each unit

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