

# High Efficiency Roundflow Cassette

FCQH-D8 / RZQ-D(B9W1)



The unique 360° radial air pattern ensures uniform air flow and temperature distribution. The FCQH model has one of the highest COP values on the market.

- **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.
- **Air flow flexibility:** a wide selection of 23 different airflow patterns enables unit installation in corners or small rooms.
- **Horizontal air discharge:** ensures draught free operation and prevents ceiling soiling.
- **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.
- **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.
- **Home Leave operation:** automatically keeps the room temperature at a specified favourite comfort level during extended absence, by switching to heating when it reaches the minimum level and to cooling at the maximum level.
- **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.
- Modern style decoration panel in pure white. Standard model also available with white louvres.

Height	246mm
Width	840mm
Depth	840mm



FCQH71D8

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				FCQH71D8	FCQH100D8	FCQH125D8	FCQH140D8				
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		3.78 / 4.16	4.00 / 4.53	4.10 / 4.38	3.59 / 4.05	3.53 / 3.90	3.21 / 3.73	3.01 / 3.54	
	Annual energy consumption		kWh	940	1250	1220	1740	1770	2180	2325	
	Energy Label	Cooling / Heating		A / A						B / B	
Seasonal (*)	SEER / SCOP	Cooling / Heating		4.04 / -	3.71 / -	3.8 / -	3.92 / -	3.88 / -	3.62 / -	3.43 / -	
Dimensions	(Height x Width x Depth)		mm	246x840x840		288x840x840					
Weight			kg	23		25					
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1		34.2 / 17.6		34.2 / 21.2		34.2 / 23.8	
	Heating	High/Low	m³/min	21.9 / 12.1		34.2 / 17.6		34.2 / 21.3		34.2 / 23.9	
Sound Power	Cooling	High	dBA	54		62					
Sound Pressure	Cooling	High/Low	dBA	36 / 28		45 / 32		45 / 36		45 / 38	
	Heating	High/Low	dBA	36 / 28		45 / 32		45 / 36		45 / 38	
Refrigerant			Type	R-410A							
Power Supply				1~/220-240V;220V/50Hz;60Hz							
Decoration Panel	Model	BYCQ140CW1 <sup>1</sup> / BYCQ140CW1W <sup>2</sup> / BYCQ140CGW1 <sup>3</sup>									
	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	
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	
Sound Pressure (Standard)	Cooling		dBA	48		50		51		50	
	Heating		dBA	50		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.

<sup>1</sup> Pure white standard panel with grey louvres; <sup>2</sup> Pure white standard panel with white louvres; <sup>3</sup> Pure white auto cleaning panel



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