

# Compact Roundflow Cassette

FCQ-C8 / RZQ-D(B9W1)



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 <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	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.

<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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