

# Concealed Ceiling Unit

FBQ-C / RZQ-D(B9W1)



BRC1D52  
Wired remote  
control (standard)



BRC1E51A  
Wired remote  
control (optional)



The concealed ceiling units belong to the most aesthetically pleasing systems for your climate comfort. The new inverter fan ducted units, provides both drastic energy savings and simplifies installation thanks to the ability to automatically adjust the air volume against the external static pressure.

- **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 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.
- **Fan speed:** 3 fan speeds can be selected.
- **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	300mm
Width	1000mm
Depth	700mm



FBQ71C

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				FBQ71C	FBQ100C	FBQ125C	FBQ140C			
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	13.4			
	Heating capacity	Standard	kW	8.0	11.2	14.0	15.5			
Nominal	EER / COP	Cooling / Heating		3.39 / 3.85	3.70 / 4.16	3.50 / 3.73	3.48 / 3.62	3.14 / 3.51	3.01 / 3.41	2.82 / 3.21
	Annual energy consumption		kWh	1047	1351	1430	1796	1990	2226	2380
	Energy Label	Cooling / Heating		A / A			A / A		B / B	C / C
Seasonal (*)	SEER / SCOP	Cooling / Heating		3.73 / -	3.48 / -	3.42 / -	3.82 / -	3.56 / -	3.25 / -	3.22 / -
Dimensions	(Height x Width x Depth)		mm	300x1000x700		300x1400x700				
Weight			kg	34		45				
Air Flow Rate	Cooling	High/Low	m³/min	18 / 15		32 / 23		39 / 28		
	Heating	High/Low	m³/min	18 / 15		32 / 23		39 / 28		
Sound Power	Cooling	High	dB(A)	57		61		66		
Sound Pressure	Cooling	High/Low	dB(A)	37 / 29		38 / 32		40 / 33		
	Heating	High/Low	dB(A)	37 / 29		38 / 32		41 / 34		
External Static Pressure		High/Medium/Low	Pa	100 / 30 / 30		120 / 40 / 40		120 / 50 / 50		
Refrigerant			Type	R-410A						
Power Supply				1~/230V/50Hz						
Decoration Panel	Model			BYBS71DJW1		BYBS125DJW1				
	Colour	White								
	HxWxD		mm	55x1100x500		55x1500x500				
	Weight		kg	4.5		6.5				
Controller		Wired		BRC1D52 (standard) / 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		dB(A)	64	65		67	66	68	66
Sound Pressure (Standard)	Cooling		dB(A)	48	50		51	50	51	50
	Heating		dB(A)	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dB(A)	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.



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