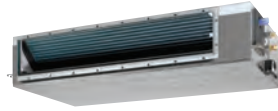


FBQ-C / RZQ-D/B9W1

Concealed ceiling unit



BRC1E51A



FBQ100, 125, 140C



RZQ100, 125, 140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- Reduction in power consumption thanks to **DC inverter fans**
- Improved comfort thanks to **3-step air flow control**
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. 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

- **Home leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The 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
- **User access:** different levels of user access can be selected
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa
- Optional discharge and suction duct flanger available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)



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
Dimensions	(Height x Width x Depth)		mm	300x1000x700		300x1400x700				
Weight			kg	34		45				
Air Flow Rate	Cooling	High/Low	m ³ /min	18 / 15		32 / 23		39 / 28		41 / 29
	Heating	High/Low	m ³ /min	18 / 15		32 / 23		39 / 28		41 / 29
Sound Power	Cooling	High	dB(A)	57		61		66		
	Heating	High/Low	dB(A)	37 / 29		38 / 32		40 / 33		41 / 34
Sound Pressure	Cooling	High/Low	dB(A)	37 / 29		38 / 32		40 / 33		41 / 34
	Heating	High/Low	dB(A)	37 / 29		38 / 32		40 / 33		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		BRC1E51A							

Outdoor Unit			RZQ71D3V1	RZQ100D9V1	RZQ100B9W1	RZQ125D9V1	RZQ125B9W1	RZQ140D9V1	RZQ140B9W1
Dimensions	(Height x Width x Depth)		mm	770x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108
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
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					