



FBQ-C8 / RZQG-L7V1(LY1)

Concealed Ceiling Unit

Seasonal Smart



RZQG125LV1

Outdoor Unit

RZQG71	H x W x D	990 x 940 x 320mm
RZQG100/125/140	H x W x D	1430 x 940 x 320mm

Accessories

Wireless remote controller (BRC4C65)
Wireless room mounted temperature sensor (K.RSS)
Decoration grille for return air suction (BYBS71D / BYBS125B)

Daikin's concealed ceiling unit is a ducted type fan coil that exceeds Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, combining industry leading efficiencies with functionality to suit office and retail applications.

Energy efficient and quiet, with noise levels as low as 29 decibels, the FBQ-C8 series has a slim profile to allow it to be fitted into narrow ceiling voids. It is able to be connected to flexible duct-work to provide heating and cooling in unusual shaped or long rooms.

Energy savings can be made using the remote controller which gives control over set-point ranges and day-to-day use of controls, which can be connected to an optional wireless temperature sensor to give accurate readings of room temperature for better comfort levels.

This controller also helps set-up, with the ability to adjust air-flow to suit the system without having to manually adjust duct work.



FEATURES

BENEFITS

3 step air-flow control	Variable fan speeds improve comfort levels in a room
Selectable evaporating and condensing temperatures	Improves energy efficiency of the 'out of the box' system by 20%, saving money on running costs
D3 connection as standard	Allows integration of split system with Daikin building management systems
Connectable to flexible ducting	Air discharge grilles can be located away from the main unit for use in long or L shaped rooms
Automatic air-flow adjustment via remote control	Simpler to commission the system and achieve optimum air-flow

Indoor Units			Single Phase				3 Phase				
			FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	
Cooling Capacity	Nominal	kW	6.8	9.5	12	13.4	6.8	9.5	12	13.4	
	UK Total	kW	7.76	10.8	13.6	14.9	7.76	10.8	13.6	14.9	
	UK Sensible	kW	5.32	7.44	9.3	10.25	5.32	7.44	9.3	10.25	
Heating Capacity	Nominal	kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A				A+				
		Pdesign	kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER		5.11	5.61		-	5.61		-	
	Annual energy consumption	kWh	466	593	749	-	424	593	749	-	
	Heating (Average climate)	Energy label	A				A+				
		Pdesign	kW	6.0	11.3	12.7	-	6.00	11.3	12.7	-
SCOP			3.81	4.25	4.05	-	4.01	4.25	4.05	-	
Annual energy consumption	kWh	2,202	3,724	4,377	-	2,095	3,724	4,377	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.28	3.89	3.81	3.33	3.50	3.89	3.81	3.33	
	COP		3.61	4.21	3.83	3.61	3.65	4.21	3.83	3.61	
	Annual energy consumption	kWh	1,037	1,220	1,575	2,010	970	1,220	1,575	2,010	
	Energy label	Cooling/Heating	A/A				A/A				
Nominal Power Input	Cooling / Heating	kW	1.94 / 2.05	2.44 / 2.57	3.15 / 3.53	4.02 / 4.3	1.94 / 2.05	2.44 / 2.57	3.15 / 3.53	4.02 / 4.3	
Dimensions	Height x Width x Depth	mm	300 x 1000 x 700	300 x 1400 x 700			300 x 1000 x 700	300 x 1400 x 700			
Weight		kg	38	45			38	45			
Air Flow Rate	High / Low	m³/min	18 / 15	32 / 23	39 / 28	39 / 28	18 / 15	32 / 23	39 / 28	39 / 28	
External Static Pressure	High / Nom.	Pascals	100 / 30	120 / 40	120 / 50	120 / 50	100 / 30	120 / 40	120 / 50	120 / 50	
Sound Power	High	dB(A)	64	66	67	69	64	66	67	69	
Sound Pressure	High / Low	dB(A)	37 / 29	38 / 32	40 / 33	40 / 33	37 / 29	38 / 32	40 / 33	40 / 33	
Refrigerant	Type		R410A				R410A				
Power Supply			From outdoor unit				From outdoor unit				
Controller			BRC1E52A wired				BRC1E52A wired				

Outdoor Unit			RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320	1430 x 940 x 320			990 x 940 x 320	1430 x 940 x 320		
Weight		kg	78	102			80	101		
Operation Range	Cooling Min~Max	°CDB	-15°C to +50°C				-15°C to +50°C			
	Heating Min~Max	°CWB	-20°C to +15.5°C				-20°C to +15.5°C			
Sound Power	High	dB(A)	64	66	67	69	64	66	67	69
Sound Pressure	Nom.	dB(A)	48	50	51	52	48	50	51	52
Refrigerant	Type		R410A				R410A			
Power Supply			1~ / 50Hz / 220 - 240v				3~ / 50Hz / 400v			
Piping Connections	Liquid (OD)/Gas	inches	3/8 / 5/8				3/8 / 5/8			
Piping Length (Maximum)		m	50	75			50	75		
Max Installation Height Difference		m	30				30			



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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