



FBQ-C8 / RZQSG

## Concealed Ceiling Unit

### Seasonal Classic



RZQSG100L8V1

#### Outdoor Unit

<b>RZQSG71</b>	H x W x D	770 x 900 x 320mm
<b>RZQSG100/125</b>	H x W x D	990 x 940 x 320mm
<b>RZQSG140</b>	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)

## Seasonal Classic

Daikin's concealed ceiling unit is a ducted type fan coil that has been re-engineered for Seasonal Efficiency, combining improved efficiencies in year round conditions with functionality to suit commercial environments.

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. The controller can also be connected to an optional wireless temperature sensor to allow give accurate readings of room temperature for better comfort levels.

The Seasonal Classic can be used on existing R22 pipework, making the Concealed ceiling unit ideal for refurbishment projects.

## FEATURES

R22 Replacement technology

D3 connection as standard

Integral drain-pump

Automatic air-flow adjustment via remote control

## BENEFITS

Re-use of existing R22 and R407C piping possible, allowing only fan-coil and condensers to be replaced

Allows integration and control of split system with Daikin building management systems

Built in pump allows drain-up of 625mm for connection to condensate drain tube in ceiling void

Simpler to commission the system and achieve optimum air-flow

Indoor Units			Single Phase				3 Phase			
			FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ100C8	FBQ125C8	FBQ140C8	
Cooling Capacity	Nominal	kW	6.8	9.5	12	13.4	9.5	12	13.4	
	UK Total	kW	7.28	10.8	13.6	14.9	10.8	13.6	14.9	
	UK Sensible	kW	4.99	7.44	9.3	10.25	7.44	9.3	10.25	
Heating Capacity	Nominal	kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+	A		-	A		-	
		Pdesign	kW	6.8	9.5	12.0	-	9.5	12.0	-
		SEER		5.81	5.50	5.20	-	5.50	5.20	-
	Heating (Average climate)	Annual energy consumption	kWh	410	604	807	-	604	807	-
		Energy label		A	A+	A	-	A+	A	-
		Pdesign	kW	6.0	7.6		-	7.6		-
		SCOP		3.88	4.01	3.90	-	4.01	3.90	-
		Annual energy consumption	kWh	2,166	2,653	2,728	-	2,653	2,728	-
		Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.28	3.31	3.21	3.02	3.31	3.21
	COP		3.61	3.65	3.51	3.41	3.65	3.51	3.41	
	Annual energy consumption	kWh	1,037	1,435	1,870	2,220	1,435	1,870	2,220	
	Energy label	Cooling/Heating	A/A		A/B	B/B	A/A	A/B	B/B	
Nominal Power Input	Cooling / Heating	kW	2.07 / 2.08	2.87 / 2.96	3.74 / 3.85	4.44 / 4.54	2.87 / 2.96	3.74 / 3.85	4.44 / 4.54	
Dimensions	Height x Width x Depth	mm	300 x 1000 x 700		300 x 1400 x 700		300 x 1400 x 700			
Weight		kg	38	45		45				
Air Flow Rate	High / Low	m³/min	18 / 15	32 / 23	39 / 28	39 / 28	32 / 23	39 / 28	39 / 28	
External Static Pressure	High / Nom.	Pascals	100 / 30	120 / 40	120 / 50	120 / 50	120 / 40	120 / 50	120 / 50	
Sound Power	High	dBA	65	69	67	69	69	67	69	
Sound Pressure	High / Low	dBA	37 / 29	38 / 32	40 / 33	40 / 33	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			RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320
Weight		kg	67	81		102	82		101
Operation Range	Cooling Min~Max	°CDB	-5°C to +46°C				-5°C to +46°C		
	Heating Min~Max	°CWB	-15°C to +15.5°C				-15°C to +15.5°C		
Sound Power	High	dBA	65	69	67	69	69	67	69
Sound Pressure	Nom.	dBA	49	53	51	53	53	51	53
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	30	50		50			
Max Installation Height Difference		m	15	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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