



FBQ-D / RZQSG Seasonal Classic

Functionality to suit commercial environments



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 25 decibels, the FBQ-D series has a slim profile of only 245mm high 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.



BRC1E52A



RZQSG100L9V1



FBQ-D



FBQ-D / RZQSG

Features	Benefits
R22 Replacement technology	Re-use of existing R22 and R407C piping possible, allowing only fan-coil and condensers to be replaced
D3 connection as standard	Allows integration of split system into Daikin building management systems
Integral drain-pump	Built in pump allows drain-up of 625mm for connection to condensate drain tube in ceiling void
Automatic air-flow adjustment via remote control	Simpler to commission the system and achieve optimum air-flow

Indoor Units			Single Phase				3 Phase				
			FBQ71D	FBQ100D	FBQ125D	FBQ140D	FBQ100D	FBQ125D	FBQ140D		
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90		
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25		
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	9.50	12.00	13.40		
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50		
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	A	-	A+	A	-		
	Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-		
	SEER		5.84	5.61	5.47	-	5.61	5.47	-		
	Annual Energy Consumption	kWh	408	593	768	-	593.00	768.00	-		
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+	-	A+	A+	-		
	Pdesign	kW	6.00	7.60	7.60	-	7.60	7.60	-		
	SCOP		4.01	4.15	4.01	-	4.15	4.01	-		
	Annual Energy Consumption	kWh	2095	2564	2653	-	2564	2653	-		
Nominal Efficiency	EER / COP		3.43 / 3.92	3.35 / 3.67	3.23 / 3.63	3.06 / 3.40	3.35 / 3.67	3.23 / 3.63	3.06 / 3.40		
	Energy Label		A / A	A / A	A / A	B / B	A / A	A / A	B / B		
	Annual Energy Consumption	kWh	991	1418	1858	2190	1418	1858	2190		
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.30 / 0.25 / 0.21	0.48 / 0.43 / 0.38	0.57 / 0.48 / 0.39		0.48 / 0.43 / 0.38	0.57 / 0.48 / 0.39			
External Static Pressure	High / Nom	Pa	150 / 30	150 / 40	150 / 50		150 / 40	150 / 50			
Dimensions	Height	mm	245				245				
	Width	mm	1000	1400				1400			
	Depth	mm	800				800				
Weight		kg	35	46				46			
Sound Pressure (Cooling)	High / Nom / Low	dBA	30 / 28 / 25	34 / 32 / 30	37 / 35 / 32		34 / 32 / 30	37 / 35 / 32			
Sound Power		dBA	56	58	62	62	58	62			

Outdoor Units			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1	
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	
Electrical Details	Power Supply		1ph						3ph	
	Running Current	A	8.46	11.73	15.29	18.15	4.39	5.72	6.79	
	Starting Current	A	4	4	4	4	4	4	4	
	Max Fuse Size	A	20	32	32	32	20	20	20	
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)						3/8 (9.5) / 5/8 (15.9)	
Pipework	Maximum Length	m	50	50	50	50	50	50	50	
	Maximum Vertical Rise	m	15	30	30	30	30	30	30	
	Precharged to	m	30	30	30	30	30	30	30	
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0	
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 49	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49	
Sound Power		dBA	65	69	70	69	69	70	69	
Air Flow Rate (Cooling)	High	m³/sec	0.87	1.27	1.28	1.38	1.27	1.28	1.38	

Accessories
Wireless remote controller (BRC4C65)
Wireless room mounted temperature sensor (K.R55)

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