



FBQ-D / RZQG Seasonal **Smart**

Functionality to suit office and retail applications

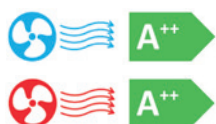


Daikin's concealed ceiling unit is a ducted type fan coil that exceeds Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, combining industry leading efficiencies with functionality to suit office and retail applications.

Energy efficient and quiet, with noise levels as low as 25 decibels, the FBQ-D series has a slim profile of 245mm to allow it to be fitted into narrow ceiling voids. With extend static pressure of up to 150 pascals, the FBQ-D can be connected to a variety of duct work or grilles.

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.



RZQG125L9V1



BRC1E52A



FBQ-D

FBQ-D / RZQG

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 into Daikin building management systems
Up to 150Pa extend static pressure	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			
			FBQ71D	FBQ100D	FBQ125D	FBQ140D	FBQ71D	FBQ100D	FBQ125D	FBQ140D
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A+	A++	-	A++	A+	A++	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		6.16	5.87	6.11	-	6.16	5.87	6.11	-
	Annual Energy Consumption	kWh	386	566	687	-	386	566	687	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A+	-	A+	A++	A+	-
	Pdesign	kW	6.00	11.30	12.71	-	6.00	11.30	12.71	-
	SCOP		4.31	4.78	4.28	-	4.31	4.78	4.28	-
	Annual Energy Consumption	kWh	1949	3310	4154	-	1949	3310	4154	-
Nominal Efficiency	EER / COP		3.60 / 4.01	3.81 / 4.41	3.31 / 3.90	3.35 / 3.60	3.60 / 4.01	3.81 / 4.41	3.31 / 3.90	3.35 / 3.60
	Energy Label		A / A	A / A	A / A	A / B	A / A	A / A	A / A	A / B
	Annual Energy Consumption	kWh	944	1217	1813	2000	944	1217	1813	2000
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		0.30 / 0.25 / 0.21	0.48 / 0.43 / 0.38	0.57 / 0.48 / 0.39	
	External Static Pressure	Pa	150 / 30	150 / 40	150 / 50		150 / 30	150 / 40	150 / 50	
Dimensions	Height	mm	245				245			
	Width	mm	1000	1400			1000	1400		
	Depth	mm	800				800			
Weight		kg	35	46			35	46		
	Sound Pressure (Cooling)	High / Nom / Low	dBA	30 / 28 / 25	34 / 32 / 30	37 / 35 / 32		30 / 28 / 25	34 / 32 / 30	37 / 35 / 32
Sound Power		dBA	56	58	62	62	56	58	62	62

Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	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			
Electrical Details	Power Supply		1ph				3ph				
	Running Current	A	7.93	9.97	12.87	16.43	2.98	3.75	4.84	6.18	
	Starting Current	A	4	4	4	4	4	4	4	4	
	Max Fuse Size	A	20	32	32	32	16	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	75	75	75	50	75	75	75	
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30	
	Precharged to	m	30	30	30	30	30	30	30	30	
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual				
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0	
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45	
Sound Power		dBA	64	66	67	69	64	66	67	69	
Air Flow Rate (Cooling)	High	m³/sec	0.98	1.17	1.17	1.40	0.98	1.17	1.17	1.40	
ECA Eligible			●		●		●		●		

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

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