



Concealed ceiling unit

Seasonal Smart

FBQ-C8 / RZQG Seasonal Smart

Functionality to suit office and retail applications

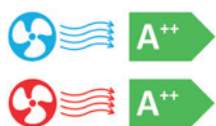


Daikin's concealed ceiling unit is a ducted type fan coil that exceeds Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, combining industry leading efficiencies with functionality to suit office and retail applications.

Energy efficient and quiet, with noise levels as low as 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.



RZQG125L8V1



BRC1E52A



FBQ-C8

FBQ-C8 / 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
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 unit			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+		A++		A+		
		Pdesign	kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER		6.11	5.80	5.81	-	6.11	5.80	5.81	-
	Heating (Average climate)	Annual energy consumption	kWh	389	573	722	-	389	573	722	-
		Energy label		A+		A++		A+		A++	
		Pdesign	kW	6.0	11.3	12.7	-	6.00	11.3	12.7	-
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	dBA	64	66	67	69	64	66	67	69	
Sound Pressure	High / Low	dBA	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			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		
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	dBA	64	66	67	69	64	66	67	69
Sound Pressure	Nom.	dBA	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			

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

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com