



FCQHG-F / RZQG-L7V1(LY1)

Roundflow Cassette

Hi Efficiency – Seasonal Smart



RZQG125L7V1

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

Self cleaning deco-panel (BRCQ140DG)
White louvred deco-panel (BRCQ140DW)
Presence sensor (BRYQ140A)
Fresh air intake kit (KDDQS5B140)

Seasonal Smart

Daikin's unique 360° Roundflow cassette, re-engineered. The Hi-COP Roundflow cassette exceeds Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, combining industry leading efficiencies with functionality to suit office and retail applications.

The Roundflow cassette has 23 different air flow settings to ensure optimum airflow and temperature distribution, while the presence and floor sensors can detect people and adjust temperature and airflow direction to ensure comfort and efficiency.

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 also gives a kWh indication of the power consumed by the cassette and outdoor unit so you can monitor your energy usage.

Energy efficiencies can be improved by utilising the selectable evaporating and condensing temperature option, making the Hi-COP cassette the ideal solution for energy conscious building managers.



FEATURES

BENEFITS

Programmable air discharge outlets via remote control	Room configurations can be changed without re-positioning cassette
Selectable evaporating and condensing temperatures	Improves energy efficiency of the 'out of the box' system by 20%, saving money on running costs and can help reduce cold draughts
D3 connection as standard	Allows integration of split system into Daikin building management systems
Presence sensor (BRYQ140A)	Controlling temperature set point based on occupancy can reduce running costs by up to 27%. Directing air-flow away from occupants ensures improved comfort levels
Self-cleaning decoration panel (BYCQ140DG)	Automatic cleaning of air-filter can save up to 30% in running costs

Indoor Units			Single Phase				3 Phase				
			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	
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	6.21	6.00	-	6.11	6.21	6.00	-
	Heating (Average climate)	Annual energy consumption	kWh	390	535	700	-	390	535	700	-
		Energy label	A+		A		A+		A		
		Pdesign	kW	7.6	11.3	14.1	-	7.6	11.3	14.1	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.09	4.42	4.00	3.35	4.09	4.42	4.00	3.35	
	COP		4.80	4.99	4.40	4.12	4.80	4.99	4.40	4.12	
	Annual energy consumption	kWh	830	1,075	1,500	2,000	830	1,075	1,500	2,000	
Nominal Power Input	Energy label	Cooling/Heating	A/A				A/A				
	Cooling / Heating	kW	1.66 / 1.56	2.15 / 2.16	3 / 3.07	4 / 3.77	1.66 / 1.56	2.15 / 2.16	3 / 3.07	4 / 3.77	
Dimensions (with deco-panel)	Height x Width x Depth	mm	288(348) x 840 (950) x 840 (950)				288(348) x 840 (950) x 840 (950)				
Weight (with deco-panel)		kg	25 (30.5)		26 (31.4)		25 (30.5)		26 (31.4)		
Air Flow Rate	High / Low	m³/min	21.2 / 12.2	32.3 / 19	33.5 / 19.9	33.2 / 21.1	21.2 / 12.2	32.3 / 19	33.5 / 19.9	33.2 / 21.1	
Sound Power	High	dB(A)	53	61	61	61	53	61	61	61	
Sound Pressure	High / Low	dB(A)	36 / 29	44 / 33	45 / 35	45 / 37	36 / 29	44 / 33	45 / 35	45 / 37	
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			
Weight		kg	78		99		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	Nominal	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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