



FCQG-F / RZQG-L7V1 (LY1)

## Roundflow Cassette

### Seasonal Smart



RZQG140L7V1

**Outdoor Unit**

<b>RZQG71</b>	H x W x D	990 x 940 x 320mm
<b>RZQG100/125/140</b>	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 (KDDQ55B140)

## Seasonal Smart

Daikin's unique 360° Roundflow cassette, re-engineered. The Roundflow cassette meets Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, and has a slim install height designed for restricted space in suspended ceilings.

The Roundflow cassette has 23 different air flow settings for uniform airflow and temperature distribution, while the presence and floor sensors can detect people and adjust temperature and airflow direction to ensure comfort in offices and meeting 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 also gives a kWh indication of the power consumed by the cassette and outdoor unit.

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
D3 connection as standard	Allows integration and control of split system into building management systems
Presence sensor	Controlling temperature set point based on occupancy can reduce running costs by up to 27%
Self-cleaning decoration panel	Automatic cleaning of air-filter can save up to 30% in running costs

Indoor Units			Single Phase				3 Phase					
			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG71F	FCQG100F	FCQG125F	FCQG140F		
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+					
		Pdesign	kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-	
		SEER		5.81	5.99	5.69	-	5.81	5.99	5.69	-	
		Annual energy consumption	kWh	410	555	738	-	410	555	738	-	
	Heating (Average climate)	Energy label	A+				A					
		Pdesign	kW	6.3	11.3	12.7	-	6.3	11.3	12.7	-	
		SCOP		4.13	3.93	3.84	-	4.13	3.93	3.84	-	
		Annual energy consumption	kWh	2,146	4,027	4,616	-	2,146	4,027	4,616	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.39	3.87	3.73	3.21	3.39	3.87	3.73	3.21		
	COP		3.97	4.15	3.63	3.61	3.97	4.15	3.63	3.61		
	Annual energy consumption	kWh	1,005	1,225	1,610	2,085	1,005	1,225	1,610	2,085		
	Energy label	Cooling/Heating	A/A				A/A					
Nominal Power Input	Cooling / Heating	kW	2.01 / 1.89	2.45 / 2.6	3.22 / 3.72	4.17 / 4.3	2.01 / 1.89	2.45 / 2.6	3.22 / 3.72	4.17 / 4.3		
Dimensions (with deco-panel)	Height x Width x Depth	mm	204 (264) x 840 (950) x 840 (950)	246 (306) x 840 (950) x 840 (950)				204 (264) x 840 (950) x 840 (950)	246 (306) x 840 (950) x 840 (950)			
Weight (with deco-panel)		kg	21 (26.4)	24 (29.4)				21 (26.4)	24 (29.4)			
Air Flow Rate	High / Low	m³/min	15 / 9.1	22.8 / 12.4	26 / 12.4	26 / 12.4	15 / 9.1	22.8 / 12.4	26 / 12.4	26 / 12.4		
Sound Power	High	dBA	51	54	58	58	51	54	58	58		
Sound Pressure	High / Low	dBA	33 / 28	37 / 29	41 / 29	41 / 29	33 / 28	37 / 29	41 / 29	41 / 29		
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	dBA	64	66	67	69	64	66	67	69		
Sound Pressure	Nominal	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					



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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