



# Roundflow cassette

## Hi Efficiency – Seasonal Smart

**FCQHG-F / RZQG** Seasonal  **Smart**



Functionality to suit office and retail applications



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.

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.

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 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.



BRC1E52A



RZQG125L8V1



FCQHG-F



# FCQHG-F / RZQG

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 unit			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++				
		Pdesign	kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
		SEER		7.00	7.00	6.61	-	7.00	7.00	6.61	-
	Heating (Average climate)	Annual energy consumption	kWh	340	475	635	-	340	475	635	-
		Energy label		A+	A++		-	A+	A++		-
		Pdesign	kW	7.6	11.3	14.1	-	7.6	11.3	14.1	-
		SCOP		4.54	4.80	4.63	-	4.54	4.80	4.63	-
Annual energy consumption	kWh	2,343	3,295	3,829	-	2,343	3,295	3,829	-		
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	Annual energy consumption	kWh	830	1,075	1,500	2,000	830	1,075	1,500	2,000	
	Energy label	Cooling/Heating	A/A				A/A				
Nominal Power Input	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)	26 (31.4)	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	dBA	53	61	61	61	53	61	61	61	
Sound Pressure	High / Low	dBA	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			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	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			

Accessories
Self cleaning deco-panel (BRCQ140DG)
White louvred deco-panel (BRCQ140DW)
Presence sensor (BRYQ140A)
Fresh air intake kit (KDDQ55B140)

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