



Roundflow cassette

Hi Efficiency – Seasonal Classic

FCQHG-F / RZQSG Seasonal Classic

Functionality to suit office and retail applications



Daikin's unique 360° Roundflow cassette, re-engineered for Seasonal Efficiency. 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 remote controller gives access to a range of energy saving settings, allowing 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 use.

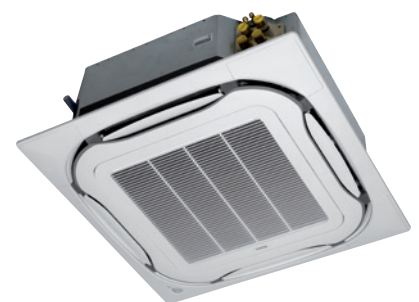
The Roundflow cassette has 23 different air flow settings to ensure optimum airflow and temperature distribution, while the presence and floor sensors can detect people and adjust temperature and airflow direction to ensure comfort and efficiency.



BRC1E52A



RZQSG125L8V1



FCQHG-F



FCQHG-F / RZQSG

Features	Benefits
Programmable air discharge outlets via remote control	Room configurations can be changed without re-positioning cassette
R22 Replacement technology	Re-use of existing R22 and R407C piping possible, allowing only fan-coil and condensers to be replaced
D3 connection as standard	Allows integration of split system into Daikin 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 unit			Single Phase				3 Phase				
			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F		
Cooling Capacity	Nominal	kW	6.8	9.5	12	13.4	9.5	12	13.4		
	UK Total	kW	7.28	10.8	13.6	14.9	10.8	13.6	14.9		
	UK Sensible	kW	4.99	7.44	9.3	10.25	7.44	9.3	10.25		
Heating Capacity	Nominal	kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++			A			-		
		Pdesign	kW	6.8	9.5	12.0	-	9.5	12.0	-	
	SEER		6.50	6.70	5.40	-	6.70	5.40	-		
	Annual energy consumption	kWh	366	496	777	-	496	777	-		
Heating (Average climate)	Energy label	A+			-			A+			
		Pdesign	kW	6.33	7.6	8.03	-	7.6	8.03	-	
	SCOP		4.10	4.10	4.01	-	4.10	4.01	-		
	Annual energy consumption	kWh	2,162	2,595	2,803	-	2,595	2,803	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.50	3.70	3.23	3.21	3.70	3.23	3.21		
	COP		4.10	4.30	3.75	3.61	4.30	3.75	3.61		
Annual energy consumption	Cooling	kWh	1,059	1,285	1,855	2,085	1,285	1,855	2,085		
	Heating	kWh	A/A			A/A			A/A		
Nominal Power Input	Cooling / Heating	kW	2.12 / 2.08	2.57 / 2.51	3.71 / 3.6	4.17 / 4.29	2.57 / 2.51	3.71 / 3.6	4.17 / 4.29		
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)			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	45 / 37	32.3 / 19	33.5 / 19.9	45 / 37		
Sound Power	High	dBA	53	61	61	61	61	61	61		
Sound Pressure	High / Low	dBA	36 / 29	44 / 33	45 / 35	45 / 37	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			RZQSG71L3V1	RZQSG100L9V1	RZQSG125L9V1	RZQSG140L9V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1	
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320		1430 x 940 x 320	990 x 940 x 320		1430 x 940 x 320	
Weight		kg	67	81		101	82		101	
Operation Range	Cooling Min~Max	°CDB	-15°C to +46°C				-15°C to +46°C			
	Heating Min~Max	°CWB	-15°C to +15.5°C				-15°C to +15.5°C			
Sound Power	High	dBA	65	69	67	69	69	70	69	
Sound Pressure	Nominal	dBA	49	53	51	53	53	54	53	
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	50		50	50		50	
Max Installation Height Difference		m	15	30		30	30		30	

- Accessories**
- Self cleaning deco-panel (BYCQ140DG)
 - White louvred deco-panel (BYCQ140DW)
 - Presence sensor (BRYQ140A)
 - Fresh air intake kit (KDDQ55B140)

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