



Roundflow cassette

High 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.

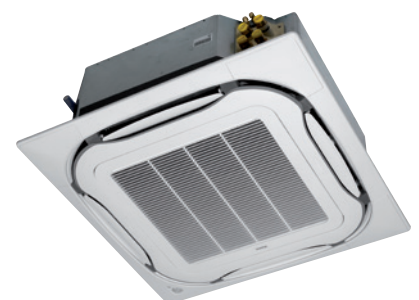
Energy efficiencies can be improved by utilising the selectable evaporating and condensing temperature option, making the Hi-COP cassette the ideal solution for energy conscious building managers.



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 Units	Single Phase				3 Phase					
	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F		
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	-	A++	A++	A++	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		7.00	7.00	6.61	-	7.00	7.00	6.61	-
	Annual Energy Consumption	kWh	340	475	635	-	340	475	635	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A++	-	A+	A++	A++	-
	Pdesign	kW	7.60	11.30	12.66	-	7.60	11.30	12.66	-
	SCOP		4.54	4.80	4.63	-	4.54	4.80	4.63	-
	Annual Energy Consumption	kWh	2343	3295	3829	-	2343	3295	3829	-
Nominal Efficiency	EER / COP		4.09 / 4.8	4.42 / 4.99	4 / 4.4	3.35 / 4.12	4.09 / 4.8	4.42 / 4.99	4 / 4.4	3.35 / 4.14
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	830	1075	1500	2000	830	1075	1500	2000
Air Flow Rate (Cooling)	High / Nom / Low	m ³ /sec	0.35 / 0.278 / 0.20	0.54 / 0.428 / 0.32	0.56 / 0.445 / 0.33	0.56 / 0.455 / 0.35	0.35 / 0.278 / 0.20	0.54 / 0.428 / 0.32	0.56 / 0.445 / 0.33	0.56 / 0.455 / 0.35
Dimensions (with Decoration Panel)	Height	mm	288(348)	288(348)	288(348)	288(348)	288(348)	288(348)	288(348)	288(348)
	Width	mm	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)
	Depth	mm	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)	840(950)
Weight (with Decoration Panel)		kg	25 (30.4)	26 (31.4)	26 (31.4)	26 (31.4)	25 (30.4)	26 (31.4)	26 (31.4)	26 (31.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
Sound Power		dBA	53	61	61	61	53	61	61	61

Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140L8Y1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320				1430 x 940 x 320			
Weight		kg	78				102			
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	6.78				8.79			
	Starting Current	A	4				4			
	Max Fuse Size	A	20				32			
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
	Piping Connections	Liquid / Gas	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50				75			
	Maximum Vertical Rise	m	30				30			
	Precharged to	m	30				30			
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9				4.0			
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43				50 / 45			
Sound Power		dBA	64				66			
Air Flow Rate (Cooling)	Nom	m ³ /sec	0.98				1.17			

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

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