



Roundflow cassette

Seasonal Inverter

FCQG-F / AZQS Seasonal Inverter

Roundflow cassette for pair applications with a pipe-run of up to 30m

Daikin's unique Roundflow cassette ensures 360° air flow and even temperature distribution within your room. The cassette has a slim casing, with height of only 246mm, and is designed for office and retail applications with narrow ceiling voids.

The BRC1E52 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 7-day timer has 5 events per day, 3 separate schedules, and includes the ability to lock certain control functions to prevent over-heating or cooling by room occupants.

Seasonal Inverter & Roundflow cassette pairing can be linked to Daikin's range of group or centralised control options, without need for further adaptors.

The Roundflow cassette and Seasonal Inverter can be used as a cost effective way to replace old equipment as they are able to use existing R22 and R407C pipe-work.



BRC1E52A



AZQS100



FCQG-F



FCQG-F / AZQS

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 Units			Single Phase				3 Phase		
			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F
Capacity	UK Total Cooling	kW	7.28	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	4.99	7.44	9.30	10.25	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.10	13.40	9.50	12.10	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50
	Energy Label		A+	A	-	-	A	-	-
Seasonal Efficiency (EN14825) COOLING	Pdesign	kW	6.80	9.50	-	-	9.50	-	-
	SEER		5.70	5.50	-	-	5.50	-	-
	Annual Energy Consumption	kWh	418	605	-	-	605	-	-
	Energy Label		A	A	-	-	A	-	-
Seasonal Efficiency (EN14825) HEATING	Pdesign	kW	6.33	7.60	-	-	7.60	-	-
	SCOP		4.00	3.85	-	-	3.85	-	-
	Annual Energy Consumption	kWh	2116	2764	-	-	2764	-	-
	Energy Label		B / A	A / B	B / B	C / B	A / B	B / B	C / B
Nominal Efficiency	Energy Label		3.11 / 3.61	3.21 / 3.50	3.10 / 3.41	2.81 / 3.30	3.21 / 3.50	3.10 / 3.41	2.81 / 3.30
	Annual Energy Consumption	kWh	1093	1480	1952	2313	1480	1952	2313
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.25 / 0.202 / 0.15	0.38 / 0.293 / 0.21	0.43 / 0.32 / 0.21	0.43 / 0.32 / 0.21	0.38 / 0.293 / 0.21	0.43 / 0.32 / 0.21	0.43 / 0.32 / 0.21
Dimensions (with Decoration Panel)	Height	mm	204 (264)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)
	Width	mm	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)
Weight (with Decoration Panel)		kg	21 (26.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	33 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29
Sound Power		dBA	51	54	58	58	54	58	58

Outdoor Units			AZQS71BV1	AZQS100B8V1	AZQS125B8V1	AZQS140B8V1	AZQS100BY1	AZQS125BY1	AZQS140BY1
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		102	82		101
Electrical Details	Power Supply		1ph				3ph		
	Running Current	A	8.66	11.77	15.29	18.19	4.40	5.72	6.80
	Starting Current	A	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5		
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)						
Pipework	Maximum Length	m	30	30	30	30	30	30	30
	Maximum Vertical Rise	m	15	15	15	15	15	15	15
	Precharged to	m	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual		
	Holding Charge	kg	2.75	2.9	2.9	4.0	2.9	2.9	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	49 / 43	53 / 49	54 / 49	53 / 49	53 / 49	54 / 49	53 / 49
Sound Power		dBA	65	69	70	69	69	70	69
Air Flow Rate (Cooling)	Nominal	m³/sec	0.87	1.27	1.28	1.38	1.27	1.28	1.38

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

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