



Roundflow cassette

High Efficiency – Seasonal Smart

FCAHG-F / RZAG Seasonal **BLUEEVOLUTION**

Functionality to suit office and retail applications



R-32



The Seasonal Smart FCAHG Cassette is the first commercial system available on R32 refrigerant. This new refrigerant gives 3 main benefits over R410:

- > Lower refrigerant charges
- > Higher efficiencies
- > Lower global warming potential.

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.

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 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.

Energy efficiencies can be improved by utilising the selectable evaporating and condensing temperature option, making the R32 cassette the ideal solution for energy conscious building managers.



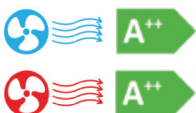
BRC1E52A



RZAG125



FCAHG-F



FCAHG-F / RZAG

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			
			FCAHG71F	FCAHG100F	FCAHG125F	FCAHG140F
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++	-
	Pdesign	kW	6.80	9.50	12.0	-
	SEER		7.35	7.35	6.94	-
	Annual Energy Consumption	kWh	TBC	TBC	TBC	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A++	-
	Pdesign	kW	7.60	11.30	12.66	-
	SCOP		4.54	4.64	4.63	-
	Annual Energy Consumption	kWh	2343	3298	3829	-
Nominal Efficiency	EER / COP		A / A	A / A	A / A	A / A
	Energy Label		4.09 / 4.80	4.42 / 4.99	4.00 / 4.00	3.35 / 4.12
	Annual Energy Consumption	kWh	831	1075	1500	2000
Air Flow Rate	High / Low	m ³ /sec	0.353 / 0.270 / 0.203	0.538 / 0.428 / 0.317	0.558 / 0.445 / 0.332	0.558 / 0.455 / 0.352
Dimensions (with Decoration Panel)	Height	mm	288(348)	288 (348)	288 (348)	288 (348)
	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	25 (30.5)	26 (31.4)	26 (31.4)	26 (31.4)
Sound Pressure	High / Nom / Low	dBA	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
Sound Power		dBA	53	61	61	61

Outdoor Units			RZAG71LV1	RZAG100LV1	RZAG125LV1	RZAG140LV1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95	95	95
Electrical Details	Power Supply		1ph			
	Running Current	A	TBC	TBC	TBC	TBC
	Starting Current	A	4	4	4	4
	Max Fuse Size	A	20	32	32	32
Interconnection Wiring	Core / Cable size		3+E / 1.5			
Piping Connections	Liquid / Gas	inches	3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	85	85	85
	Maximum Vertical Rise	m	30	30	30	30
	Precharged to	m	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual			
	Holding Charge	kg	2.6	3.6	3.6	3.6
Sound Pressure	Nom	dBA	48	49	51	52
Sound Power	Nom	dBA	64	64	66	67
Air Flow Rate (cooling)	High	m ³ /sec	TBC	TBC	TBC	TBC

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

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com