DAIKIN

FCAHG-H / RZAG-N SkyAir Alpha-series

High COP Roundflow Cassette

Next-generation climate control and air purification

Bringing together high COP efficiency, 360° airflow and powerful filtration in one smart, stylish system. Ideal for offices, small retail spaces and any environment where healthy air and energy-conscious performance are essential. Combined with Sky Air Alpha series for best-in-class quality and efficiency.

FCAG-B (Black designer panel) FCAG-B (White)

All-round comfort, whisper-quiet
Experience perfectly even temperatures and draught-free comfort. True 360° air discharge, five fan speed options, larger louvres and a unique swing pattern circulate air gently and silently, eliminating hot and cold spots.

Style for every interior
Match your aesthetic with the widest ever selection of decorative panels: designer options in white and black, and standard panels in white with grey accents or full white.

Tailored airflow for any space
Adapt airflow to suit any layout with individual louvre control. Branch ducting ensures conditioned air reaches adjacent or irregular-shaped rooms. Optional fresh air intake maintains a healthy indoor environment.

Exceptional energy savings
A high COP cassette, advanced DC fan motor and innovative small tube heat exchanger combine for outstanding efficiency and lower running

costs. An automatic filter cleaning panel can be added for peak performance and reduced maintenance.

Advanced air purification
The optional Daikin UV Streamer kit with Catch & Clean filtration, UV-C light and Streamer technology removes viruses, bacteria, fine dust, odours and allergens, ensuring healthy air for every user.

Seamless installation and integration
The built-in drain pump (675mm lift) and slim profile (from 204mm height) make installation simple, even in tight ceiling voids. Seamless connection to building management systems with the optional DIII net connector.

Intelligent control and connectivity
Optional intelligent sensors (motion and floor temperature) further enhance comfort and energy efficiency, automatically adjusting settings according to occupancy and room conditions.

BRC7FA532F/B (optional) RZAG71-140N
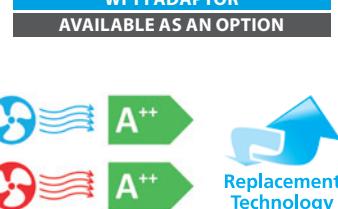
WI-FI CONTROL VIA APP

Madoka BRC1H52W7

WI-FI ADAPTOR
AVAILABLE AS AN OPTION

A++

A++

Replacement Technology

FCAHG-H / RZAG-N SkyAir Alpha-series

R-32   BLUEVOLUTION

Indoor Units			Single Phase				3 Phase			
			FCAHG71H	FCAHG100H	FCAHG125H	FCAHG140H	FCAHG71H	FCAHG100H	FCAHG125H	FCAHG140H
Capacity	UK Total Cooling	kW	7.76	10.85	13.6	14.93	7.76	10.85	13.6	14.93
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
	Nominal Heating	kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	-	-	A++	A++	-	-
	Pdesign	kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
	SEER		7.90	7.70	8.02	7.93	7.90	7.70	8.02	7.93
	ηs,c	%	-	-	318	314	-	-	318	314
	Annual Energy Consumption	kWh	301	432	905	1014	301	432	905	1014
Seasonal Efficiency (EN14825) HEATING	Energy Label		A++	A++	-	-	A++	A++	-	-
	Pdesign	kW	4.70	9.52	9.52	9.52	4.70	9.52	9.52	9.52
	SCOP		4.61	4.75	4.53	4.44	4.61	4.75	4.53	4.44
	ηs,h	%	-	-	178	175	-	-	178	175
	Annual Energy Consumption	kWh	1427	2805	2942	3002	1427	2805	2942	3002
Air Flow Rate (Cooling)	High / Med / Low	m³/min	23.6 / 18.8 / 13.7	32.2 / 25.7 / 19.1	34.4 / 27.3 / 21.2	34.4 / 27.3 / 21.2	23.6 / 18.8 / 13.7	32.2 / 25.7 / 19.1	34.4 / 27.3 / 21.2	34.4 / 27.3 / 21.2
Dimensions (with Decoration Panel)	Height	mm	288 (353)	288 (353)	288 (353)	288 (353)	288 (353)	288 (353)	288 (353)	288 (353)
	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 (30.5)	25 (30.5)	25 (30.5)	25 (30.5)	25 (30.5)	25 (30.5)	25 (30.5)	25 (30.5)
Sound Pressure (Cooling)	High / Med / 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 Pressure (Heating)	High / Med / Low	dBA	36 / 33 / 29	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37	33 / 31 / 28	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
Sound Power (Cooling)		dBA	53	61	61	61	53	61	61	61

Outdoor Units			RZAG71NV1	RZAG100NV1	RZAG125NV1	RZAG140NV1	RZAG71NY1	RZAG100NY1	RZAG125NY1	RZAG140NY1
Dimensions	Height x Width x Depth	mm	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460
Weight		kg	81	85	95	95	81	85	95	95
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph	3ph
	Maximum Input Current (MCA)	A	17.7	22.2	27.5	27.5	11.1	14.9	15.0	15.0
	Max Fuse Size	A	20	32	32	32.0	16.0	16.0	16.0	16.0
Interconnection Wiring	Core / Cable Size		3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)
Pipework	Maximum Length	m	55	85	85	85	55	85	85	85
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	40	40	40	40	40	40	40	40
	Additional charge	g/m	35	35	35	35	35	35	35	35
	Holding charge	kg	3.2	3.2	3.7	3.7	3.2	3.2	3.7	3.7
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46 / 44	47 / 45	49 / 47	50 / 48	46 / 44	47 / 45	49 / 47	50 / 48
Sound Pressure (Heating)	Nom / Night Quiet	dBA	48 / 44	50 / 45	52 / 47	52 / 48	48 / 44	50 / 45	52 / 47	52 / 48
Sound Power (Cooling)		dBA	64	66	69	70	64	66	69	70
Operating Range (Cooling)	Min / Max	°CDB	-20 / 52	-20 / 52	-20 / 52	-20 / 52	-20 / 52	-20 / 52	-20 / 52	-20 / 52
Operating Range (Heating)	Min / Max	°CWB	-20 / 18	-20 / 18	-20 / 18	-20 / 18	-20 / 18	-20 / 18	-20 / 18	-20 / 18
Air Flow Rate (Cooling)	Nominal	m³/min	68.0	67.0	80.0	87.0	68.0	67.0	80.0	87.0
Meets ETL criteria			●	●	●	●	●	●	●	●

Accessories:

Accessory Ref	Description
BYCQ140E	Decoration panel – White – Standard
BYCQ140EB	Decoration panel – Black – Standard (RAL 9005)
BYCQ140EW	Decoration Panel – Full White – Standard (RAL 9010)
BYCQ140EP	Decoration Panel – Designer – Full White (RAL 9010)
BYCQ140EPB	Decoration Panel – Designer – Full Black (RAL 9005)
BYCQ140EGF	Auto Cleaning Deco Panel – White (RAL 9010)
BYCQ140EGFB	Auto Cleaning Deco Panel – Black (RAL 9005)
BAEF125AWB	UV Streamer Kit collar (more info in IAQ section)
BRC1H52W7	Wired touch screen remote controller – White
BRC1H52S7	Wired touch screen remote controller – Silver
BRC1H52K7	Wired touch screen remote controller – Black
BRP069C82	Wi-Fi adaptor for use with Daikin ONECTA App
EWHAR1	Extension wire – Required if Wifi Adaptor and Auto Cleaning panel are installed together
BRC7FA532F	Wireless remote controller – White
BRC7FA532FB	Wireless remote controller – Black
BRYQ140B	Integral PIR sensor for roundflow decoration panel (for white panel)
BRYQ140BB	Integral PIR sensor for roundflow decoration panel (for black panel)

Accessory Ref	Description
RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
EKMBPP1 and UK.FB2	Modbus interface PCB for Sky Air and VRV
KLIC-DI_V2	KNX Interface for Sky Air and VRV systems
KRCS01-5B	Remote room mounted temperature sensor
KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
K.CGM	Condensing unit guard (1150 x 1150 x 650)
K.CWB90-2	Wall bracket (90kg, 500mm support arm)
K.DT1	Condensate drip tray for use with K.CWB90-2
K.FF600S	Two flexi-feet (Standard 600mm x 185mm x 100mm) to mount the outdoor unit
SB.K.RSS_RFC	Wireless room mounted temperature sensor and receiver
KDBHQ56B140	Sealing member for air discharge outlet
KDDP55C160-1	Fresh air intake kit for up to 20% fresh air (Part 1)
KDDP55D160-2	Fresh air intake kit for up to 20% fresh air (Part 2)
RS-SE	Service and configuration tool for K.RSS

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UKAS MANAGEMENT SYSTEMS 0001

FSC

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