



FCAG-B / RZAG-N *SkyAir Alpha-series*

R-32 **BLUEEVOLUTION**

360° air discharge for optimum efficiency and comfort

- › Combinations with Sky Air Alpha series ensures best in class quality, highest efficiency and performance
- › Lowest installation height in the market: 204mm for class 71
- › Individual louvre control: flexibility to suit every room layout without changing the location of the unit
- › Modern style decoration panel is available in 4 different variations: white with grey louvers, full white, with black finishing or with Auto Cleaning panel
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications i.e. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Reduced energy consumption thanks to specially developed small tube exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B (Black)



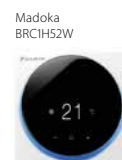
FCAG-B (White)



RZAG71-140N



BRC7FA532F/B
(optional)



Madoka
BRCIH52W



WI-FI
CONTROL
VIA APP



WI-FI ADAPTOR

**AVAILABLE AS
AN OPTION**





FCAG-B / RZAG-N

SkyAir Alpha-series

R-32 BLUEEVOLUTION

Indoor Units			Single Phase				3 Phase			
			FCAG71B	FCAG100B	FCAG125B	FCAG140B	FCAG71B	FCAG100B	FCAG125B	FCAG140B
Capacity	UK Total Cooling	kW	7.76	10.85	13.60	14.93	7.76	10.85	13.60	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		6.83	7.14	7.15	6.8	6.83	7.14	7.15	6.8
	Annual Energy Consumption	kWh	348	466	1016	1182	348	466	1016	1182
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	-	-	A+	A+	-	-
	Pdesign	kW	4.7	7.8	9.5	9.5	4.7	7.8	9.5	9.5
	SCOP		4.22	4.53	4.34	4.34	4.22	4.53	4.34	4.34
	Annual Energy Consumption	kWh	1560	2413	3071	3071	1560	2413	3071	3071
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.252/0.217/0.180	0.378/0.297/0.216	0.453/0.340/0.218	0.453/0.340/0.218	0.252/0.217/0.180	0.378/0.297/0.216	0.453/0.340/0.218	0.453/0.340/0.218
Dimensions (with Decoration Panel)	Height	mm	204 (269)	246 (311)	246 (311)	246 (311)	204 (269)	246 (311)	246 (311)	246 (311)
	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	21 (26.5)	23 (28.5)	23 (28.5)	23 (28.5)	21 (26.5)	23 (28.5)	23 (28.5)	23 (28.5)
Sound Pressure (Cooling)	High / Nom / Low	dBA	35/31/28	37/33/29	41/35/29	41/35/29	35/31/28	37/33/29	41/35/29	41/35/29
Sound Pressure (Heating)	High / Nom / Low	dBA	33/31/28	37/33/29	41/35/29	41/35/29	33/31/28	37/33/29	41/35/29	41/35/29
Sound Power (Cooling)		dBA	51	54	58	58	51	54	58	58
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	17.4	21.5	27	27.4	10.8	14.2	14.6	14.9
	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/sec	1.133	1.117	1.333	1.450	1.133	1.117	1.333	1.450
ECA Eligible			•	•	•	•	•	•	•	

Accessories:

Accessory Ref	Description	Accessory Ref	Description
BYCQ140E	Decoration panel - White (Included as standard)	K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU
BYCQ140EB	Decoration panel - Black	K.DT1	Condensate drip tray for use with K.CWB90-2
BRP069C82	Wifi adaptor for connection to on-line controller	SB.KRSS_RFC	Wireless room mounted temperature sensor and receiver
BRC1H52W	Wired touch screen remote controller - White (Included as standard)	KDBHQ56B140	Sealing member for air discharge outlet
BRC1H52S	Wired touch screen remote controller - Silver	KDDP55C160-1	Fresh air intake kit for up to 20% fresh air (Part 1)
BRC1H52K	Wired touch screen remote controller - Black	KDDP55D160-2	Fresh air intake kit for up to 20% fresh air (Part 2)
BRC7FA532F	Wireless remote controller - White	KLIC-DI	KNX Interface for Sky Air and VRV systems
BRC7FA532FB	Wireless remote controller - Black	KRCS01-7B	Remote room mounted temperature sensor
BRYQ140B	Integral PIR sensor for roundflow decoration panel (for white panel)	KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
BRYQ140BB	Integral PIR sensor for roundflow decoration panel (for black panel)	RS-SE	Service and configuration tool for K.RSS
BYCQ140EGF	Auto Cleaning Deco Panel - White	RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock
BYCQ140EGFB	Auto Cleaning Deco Panel - Black	RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
BYCQ140EW	Decoration Panel - Full White	RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV
EWHAR1	Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together		
K.CGM	Condensing unit guard (1150 x 1150 x 650)		

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