



## FCAG-B / AZAS-M/R

**SkyAir** Active-series

**R-32**

**BLUEEVOLUTION**

### 360° air discharge for optimum efficiency and comfort

- › Combinations with Sky Air Active series ensures good value for money for all types of commercial applications
- › 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)



ARXM71R

AZAS100-140M



BRC7FA532F/B (optional)



Madoka BRC1H52W



WI-FI CONTROL VIA APP



WI-FI ADAPTOR

AVAILABLE AS AN OPTION

Indoor Units			Single Phase				3 Phase		
			FCAG71B	FCAG100B	FCAG125B	FCAG140B	FCAG100B	FCAG125B	FCAG140B
Capacity	UK Total Cooling	kW	6.65	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	4.15	7.44	9.30	10.25	7.44	9.30	10.25
	Nominal Cooling	kW	6.8	9.5	12.1	13.4	9.5	12.1	13.4
	Nominal Heating	kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Seasonal Efficiency (EN14825) COOLING	Energy Label		A+	A+	-	-	A+	-	-
	Pdesign	kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
	SEER		5.87	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c	%	-	-	213	237	-	213	237
Seasonal Efficiency (EN14825) HEATING	Annual Energy Consumption	kWh	405	586	1345	1300	586	1345	1300
	Energy Label		A	A	-	-	A	-	-
	Pdesign	kW	4.5	6.0	6.0	7.8	6.0	6.0	7.8
	SCOP		4.00	3.85	3.80	4.31	3.85	3.80	4.31
Air Flow Rate (Cooling)	ηs,h	%	-	-	149	169	-	149	169
	Annual Energy Consumption	kWh	1575	2182	2211	2534	2182	2211	2534
	High / Med / Low	m³/sec	0.252 / 0.217 / 0.180	0.378 / 0.297 / 0.217	0.453 / 0.340 / 0.218	0.453 / 0.340 / 0.218	0.378 / 0.297 / 0.217	0.453 / 0.340 / 0.218	0.453 / 0.340 / 0.218
	Height	mm	204 (269)	246 (311)	246 (311)	246 (311)	246 (311)	246 (311)	246 (311)
Dimensions (with Decoration Panel)	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 (26.5)	23 (28.5)	23 (28.5)	23 (28.5)	23 (28.5)	23 (28.5)	23 (28.5)
Sound Pressure (Cooling)	High / Med / Low	dBA	35 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29
Sound Pressure (Heating)	High / Med / 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 (Cooling)		dBA	51	54	58	58	54	58	58

  

Outdoor Units			ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Height x Width x Depth	mm	734 x 954 x 401	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320
Weight		kg	49	70	70	78	70	70	78
	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph
Electrical Details	Maximum Input Current (MCA)	A	14.93	21.5	27.8	27	14.2	14.6	14.6
	Max Fuse Size	A	16	25	32	32	16	16	16
	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
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
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)
Pipework	Maximum Length	m	30	30	30	30	30	30	30
	Maximum Vertical Rise	m	20	30	30	30	30	30	30
	Precharged to	m	10	30	30	30	30	30	30
	Additional charge	g/m	0.35	N/A	N/A	N/A	N/A	N/A	N/A
	Holding charge	kg	1.15	2.60	2.60	2.90	2.60	2.60	2.90
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	52	53 / 44	53 / 44	54 / 44	53 / 44	53 / 44	54 / 44
Sound Pressure (Heating)	Nom / Night Quiet	dBA	52	57 / 44	57 / 44	57 / 44	57 / 44	57 / 44	57 / 44
Sound Power (Cooling)		dBA	65	70	71	73	70	71	73
Operating Range (Cooling)	Min / Max	°CDB	-10/46	-5 / 46	-5 / 46	-5 / 46	-5 / 46	-5 / 46	-5 / 46
	Min / Max	°CWB	-15/18	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5
Operating Range (Heating)	Min / Max	°CWB	-15/18	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5
Air Flow Rate (Cooling)	Nominal	m³/sec	0.776	1.150	1.183	1.267	1.150	1.183	1.267

### Accessories:

Accessory Ref	Description	Accessory Ref	Description
BYCQ140E	Decoration panel - White (Included as standard)	K.CG.M	Condensing unit guard (1150 x 1150 x 650)
BYCQ140EB	Decoration panel - Black	K.CWB90-2	Wall bracket (90kg, 500mm support arm)
BRP069C82	Wifi adaptor for connection to on-line controller	K.DT1	Condensate drip tray for use with K.CWB90-2
BRC1H52W	Wired touch screen remote controller - White (Included as standard)	SB.K.RSS_RFC	Wireless room mounted temperature sensor and receiver
BRC1H52S	Wired touch screen remote controller - Silver	K.DHB056B140	Sealing member for air discharge outlet
BRC1H52K	Wired touch screen remote controller - Black	KDDP55C160-1	Fresh air intake kit for up to 20% fresh air (Part 1)
BRC7FA532F	Wireless remote controller - White	KDDP55D160-2	Fresh air intake kit for up to 20% fresh air (Part 2)
BRC7FA532FB	Wireless remote controller - Black	KLIC-DI	KNX Interface for Sky Air and VRV systems
BRYQ140B	Integral PIR sensor for roundflow decoration panel (for white panel)	KRCS01-7B	Remote room mounted temperature sensor
BRYQ140BB	Integral PIR sensor for roundflow decoration panel (for black panel)	KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
BYCQ140EGF	Auto Cleaning Deco Panel - White	RS-SE	Service and configuration tool for K.RSS
BYCQ140EGFB	Auto Cleaning Deco Panel - Black	RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock
BYCQ140EW	Decoration Panel - Full White	RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
EWHAR1	Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together	RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV
K.CGL	Condensing unit guard (1450 x 1150 x 650)		

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