

FCAG-B / AZAS-M

R-32 **BLUEVOLUTION**

Indoor Units			Single Phase				3 Phase		
			FCAG71B	FCAG100B	FCAG125B	FCAG140B	FCAG100B	FCAG125B	FCAG140B
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	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
	Annual Energy Consumption	kWh	405	586	1345	1300	586	1345	1300
Seasonal Efficiency (EN14825) HEATING	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
	Annual Energy Consumption	kWh	1575	2182	2211	2534	2182	2211	2534
Nominal Efficiency	EER/COP		3.14/3.71	3.26/4.50	2.29/4.28	2.63/3.73	3.26/4.50	2.29/4.28	2.63/3.73
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.255/0.208/0.155	0.380/0.293/0.206	0.433/0.320/0.206	0.433/0.320/0.206	0.380/0.293/0.206	0.433/0.320/0.206	0.433/0.320/0.206
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	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 / Nom / Low	dBA	35/31/28	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			AZAS71MV1	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Height x Width x Depth	mm	770 x 900 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	990 x 940 x 320
Weight		kg	60	70	70	78	70	70	77
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph
	Maximum Input Current (MCA) A		17.4	21.5	27.8	27	14.2	14.6	14.6
	Max Fuse Size	A	20	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									
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	30	30	30	30	30	30	30
	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	2.45	2.60	2.60	2.90	2.60	2.60	2.90
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46/42	53/44	53/44	54/44	53/44	53/44	54/44
Sound Pressure (Heating)	Nom / Night Quiet	dBA	47/42	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	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46
Operating Range (Heating)	Min / Max	°CWB	-15/15.5	-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	0.933	1.150	1.183	1.266	1.150	1.183	1.266

Accessory Ref	Description
BYCQ140E	Decoration panel - White (Included as standard)
BYCQ140EB	Decoration panel - Black
BRP069B82	Wifi adaptor for connection to on-line controller
BRC1H519W7	New - wired touch screen remote controller - White (Included as standard)
BRC1H519S7	New - wired touch screen remote controller - Silver
BRC1H519K7	New - wired touch screen remote controller - Black
BRC7FA532F	Wireless remote controller
BRYQ140B	Integral PIR sensor for roundflow decoration panel (for white panel)
BRYQ140BB	Integral PIR sensor for roundflow decoration panel (for black panel)
BYCQ140EGF	Auto Cleaning Deco Panel - White
BYCQ140EGFB	Auto Cleaning Deco Panel - Black
BYCQ140EW	Decoration Panel - Full White
EW HAR1	Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together
K.CGL	Condensing unit guard size 100-140
K.CGM	Condensing unit guard size 42-71

Accessory Ref	Description
K.CWB140-2	Condensing unit bracket - size 100 to 140
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU
K.DT1	Condensate drip tray for use with K.CWB90-2
K.DT2	Condensate drip tray for use with K.CWB140-2
K.RSS	Wireless room mounted temperature sensor and receiver
KDBHQ55B140	Sealing member for air discharge outlet
KDDP55C160-1	Fresh air intake kit for up to 20% fresh air (Part 1)
KDDQ55B140-2	Fresh air intake kit for up to 20% fresh air (Part 2)
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRCS01-4	Remote room mounted temperature sensor
KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
RS-SE	Service and configuration tool for K.RSS
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
RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV

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