

FCAG-B / AZAS-M

Compact Roundflow Cassette - Active



Replacement Technology

Accessories:

Accessory Ref	Description
BYCQ140E	Decoration panel - White (Included as standard)
BYCQ140EB	Decoration panel - Black
BRP0698B2	Wifi adaptor for connection to on-line controller
BRC1H52W	Wired touch screen remote controller - White (Included as standard)
BRC1H52S	Wired touch screen remote controller - Silver
BRC1H52K	Wired touch screen remote controller - Black
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)
BYCQ140EGF	Auto Cleaning Deco Panel - White
BYCQ140EGFB	Auto Cleaning Deco Panel - Black
BYCQ140EW	Decoration Panel - Full White
EWHAR1	Extension wire- Required if Wifi Adaptor and Auto Cleaning panel are installed together
K.CGL	Condensing unit guard (1450 x 1150 x 650)
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
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)
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRC501-7B	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

Indoor Units	Single Phase				3 Phase	
	FCAG71B	FCAG100B	FCAG125B	FCAG140B	FCAG100B	FCAG125B
Capacity	6.65	10.80	13.60	14.90	10.80	13.60
UK Total Cooling	kW					
UK Sensible Cooling	kW	4.15	7.44	10.25	7.44	9.30
Nominal Cooling	kW	6.8	9.5	12.1	13.4	12.1
Nominal Heating	kW	7.5	10.8	13.5	15.5	13.5
Seasonal Efficiency (EN14825)		A+	A+	A+	A+	A+
COOLING		6.8	9.5	12.1	9.5	12.1
SEER		5.87	5.67	5.40	6.00	5.40
HEATING		-	-	213	237	213
Annual Energy Consumption	kWh	405	586	1345	1300	1345
Energy Label (EN14825)		A	A	A	A	A
HEATING		4.5	6.0	6.0	7.8	6.0
SCOP		4.00	3.85	3.80	4.31	3.80
HEATING		-	-	149	169	149
Annual Energy Consumption	kWh	1575	2182	2211	2534	2211
Air Flow Rate (Cooling)	High / Med / Low	0.252 / 0.217 / 0.180	0.378 / 0.297 / 0.217	0.453 / 0.340 / 0.218	0.453 / 0.340 / 0.218	0.453 / 0.340 / 0.218
Dimensions (with Decoration Panel)	Height	204 (269)	246 (311)	246 (311)	246 (311)	246 (311)
	Width	840 (950)	840 (950)	840 (950)	840 (950)	840 (950)
	Depth	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)
Sound Pressure (Cooling)	High / Med / Low	35 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	41 / 35 / 29
Sound Pressure (Heating)	High / Med / Low	33 / 31 / 28	37 / 33 / 29	41 / 35 / 29	41 / 35 / 29	41 / 35 / 29
Sound Power (Cooling)	dB(A)	51	54	58	54	58

Outdoor Units	ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
	Dimensions	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
Weight	49	70	70	78	70	70	78
Electrical Details							
Power Supply	1ph	1ph	1ph	1ph	3ph	3ph	3ph
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	16	16	16
Interconnection Wiring	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	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
Maximum Vertical Rise	m	20	30	30	30	30	30
Precharged to	m	10	30	30	N/A	N/A	N/A
Additional charge	g/m	0.35	N/A	N/A	N/A	N/A	N/A
Holding charge	kg	1.15	2.60	2.60	2.60	2.60	2.90
Sound Pressure (Cooling)	Nom / Night Quiet	52	53 / 44	53 / 44	54 / 44	53 / 44	54 / 44
Sound Pressure (Heating)	Nom / Night Quiet	52	57 / 44	57 / 44	57 / 44	57 / 44	57 / 44
Sound Power (Cooling)	dB(A)	65	70	71	73	70	73
Operating Range (Cooling)	Min / Max	-10/46	-5 / 46	-5 / 46	-5 / 46	-5 / 46	-5 / 46
Operating Range (Heating)	Min / Max	-15/18	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5	-15 / 15.5
Air Flow Rate (Cooling)	Nominal	0.776	1.150	1.183	1.267	1.150	1.183



Madoka BRC1H52W

ARXM71R

AZAS100-H0M

WI-FI ADAPTOR AVAILABLE AS AN OPTION