



## FBA-A / AZAS-M/R

**SkyAir** Active-series

**R-32 BLUEEVOLUTION**

### Slimmest yet most powerful medium static pressure unit on the market

- › Combinations with Sky Air Active series ensures good value for money for all types of commercial applications
- › Top efficiency in the market. Energy label up to A++
- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- › Lowest sound levels in the market: down to 25dBa
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Optional fresh air intake
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed



FBA-A



ARXM71R

AZAS100-140M



BRC4C65 (optional)



Madoka BRC1H52W

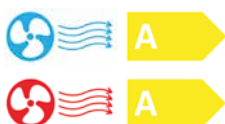


WI-FI CONTROL VIA APP



WI-FI ADAPTOR

AVAILABLE AS AN OPTION





# FBA-A / AZAS-M/R *SkyAir Active-series*

**R-32** BLUEEVOLUTION

Indoor Units			Single Phase				3 Phase		
			FBA71A9	FBA100A	FBA125A	FBA140A	FBA100A	FBA125A	FBA140A
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		5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c	%	-	-	191	217	-	191	217
	Annual Energy Consumption	kWh	427	633	1497	1418	633	1497	1418
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		3.81	3.81	3.55	3.85	3.81	3.55	3.85
	ηs,h	%	-	-	139	151	-	139	151
	Annual Energy Consumption	kWh	1654	2205	2366	2836	2205	2366	2836
Air Flow Rate (Cooling)	High / Med / Low	m <sup>3</sup> /sec	0.300 / 0.250 / 0.208	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.392	0.483 / 0.433 / 0.383	0.567 / 0.483 / 0.392	0.567 / 0.483 / 0.392
External Static Pressure	High / Nom	Pa	150 / 30	150 / 40	150 / 50	150 / 50	150 / 40	150 / 50	150 / 50
Dimensions	Height	mm	245	245	245	245	245	245	245
	Width	mm	1000	1400	1400	1400	1400	1400	1400
	Depth	mm	800	800	800	800	800	800	800
Weight		kg	35	46	46	46	46	46	46
Sound Pressure (Cooling)	High / Med / Low	dBA	30 / 28 / 25	34 / 32 / 30	37 / 35 / 32	37 / 35 / 32	34 / 32 / 30	37 / 35 / 32	37 / 35 / 32
Sound Pressure (Heating)	High / Med / Low	dBA	31 / 28 / 25	36 / 33 / 30	38 / 35 / 32	38 / 35 / 32	36 / 33 / 30	38 / 35 / 32	38 / 35 / 32
Sound Power (Cooling)		dBA	56	58	62	62	58	62	62

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	77
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph
	Maximum Input Current (MCA) A		15.83	21.8	28.3	27.6	14.6	15.1	15.1
	Max Fuse Size	A	16	25	32	32	16	16	16
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
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	m <sup>3</sup> /sec	0.776	1.150	1.183	1.266	1.150	1.183	1.266

Accessory Ref	Description
BRP069C81	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
BRC4C65	Wireless remote controller
K.CGL	Condensing unit guard (1450 x 1150 x 650)
K.CGM	Condensing unit guard (1150 x 1150 x 650)
K.CWB140-2	Wall bracket (140kg, 540mm support arm)
K.CWB90-2	Wall bracket (90kg, 500mm support arm)
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
KRCS01-4	Remote room mounted temperature sensor
KLIC-DI	KNX Interface for Sky Air and VRV systems

Accessory Ref	Description
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
UK.RC3	Return Chamber - FBA60-71 - 2X200mm Spg
UK.RC3A	Return Chamber - FBA60-71 - 3X200mm Spg
UK.RC4	Return Chamber - FBA100-125-140 - 4X200mm Spg
UK.SF3	Supply flange - FBA60-71 - 2x200 Spg
UK.SF3A	Supply flange - FBA60-71 - 3x200 Spg
UK.SF4	Supply flange - FBA100-125-140 - 4x200 Spg

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