



FVA-A / RZAG-M *SkyAir Alpha-series*

R-32 **BLUEEVOLUTION**

For commercial spaces with high ceilings

- › Combinations with Sky Air Alpha series ensures best in class quality, highest efficiency and performance
- › Ideal solution for commercial and busy environment
- › Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed
- › Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment or air outlet blades at the top of the unit
- › Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E53A)
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system



RZAG71

RZAG100-140

FVA-A



BRC1E53A



BRP069A81 (optional)



WI-FI ADAPTOR
AVAILABLE AS AN OPTION

FVA-A / RZAG-M

R-32 BLUEEVOLUTION

Indoor Units			Single Phase				3 Phase			
			FVA71A	FVA100A	FVA125A	FVA140A	FVA71A	FVA100A	FVA125A	FVA140A
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	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		6.37	6.00	6.41	6.12	6.37	6.00	6.41	6.12
	Annual Energy Consumption	kWh	374	554	1133	1314	374	554	1133	1314
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	-	-	A+	A+	-	-
	Pdesign	kW	4.70	7.80	9.52	9.52	4.70	7.80	9.52	9.52
	SCOP		4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	Annual Energy Consumption	kWh	1625	2600	3209	3383	1625	2600	3209	3383
Nominal Efficiency	EER/COP		3.63/3.82	4.25/4.30	3.25/3.80	2.91/3.71	3.63/3.82	4.25/4.30	3.25/3.80	2.91/3.71
Air Flow Rate (Cooling)	High / Low	m³/sec	0.300/0.233	0.466/0.366	0.466/0.400	0.500/0.433	0.300/0.233	0.466/0.366	0.466/0.400	0.500/0.433
Dimensions	Height	mm	1850	1850	1850	1850	1850	1850	1850	1850
	Width	mm	600	600	600	600	600	600	600	600
	Depth	mm	270	350	350	350	270	350	350	350
Weight		kg	39	47	47	47	39	47	47	47
Sound Pressure (Cooling)	High / Low	dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
Sound Pressure (Heating)	High / Low	dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
Sound Power (Cooling)		dBA	55	62	63	65	55	62	63	65

Outdoor Units			RZAG71MV1	RZAG100MV1	RZAG125MV1	RZAG140MV1	RZAG71MY1	RZAG100MY1	RZAG125MY1	RZAG140MY1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	990 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320	1430 x 940 x 320
Weight		kg	70	92	92	92	70	92	92	92
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph	3ph
	Running Current	A	17.6	27.2	27.2	27.5	11.0	15.3	14.8	15.0
	Starting Current	A	-	-	-	-	-	-	-	-
	Max Fuse Size	A	25	32	32	32	16	16	16	16
Interconnection Wiring	Core / Cable Size		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)			
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	Refer to Installation Manual				Refer to Installation Manual			
	Holding charge	kg	2.95	3.75	3.75	3.75	2.95	3.75	3.75	3.75
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46/42	47/44	50/44	51/44	46/42	47/44	50/44	51/44
Sound Pressure (Heating)	Nom / Night Quiet	dBA	49/42	51/44	52/44	52/44	49/42	51/44	52/44	52/44
Sound Power (Cooling)		dBA	64	66	69	70	65	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	0.983	1.166	1.383	1.383	0.983	1.166	1.383	1.383
ECA Eligible			●				●			

Accessory Ref	Description
BRC1E53A	Premium wired remote controller (Included as standard)
BRP069A81	Wifi adaptor for connection to on-line controller
K.CGL	Condensing unit guard size 100-140 including RXYSQ
K.CGM	Condensing unit guard size 42-71
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

Accessory Ref	Description
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
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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