



**FVA-A / RZAG-N** *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 BRC1H519W7)
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system



FVA-A



RZAG71-140



BRC1H519W7



BRP069A81 (optional)



**WI-FI ADAPTOR**  
AVAILABLE AS AN OPTION

# FVA-A / RZAG-N

**R-32** BLUEEVOLUTION

Indoor Units			Single Phase				3 Phase			
			FVA71A	FVA100A	FVA125A	FVA140A	FVA71A	FVA100A	FVA125A	FVA140A
Capacity	UK Total Cooling	kW	7.76	10.85	13.6	14.93	7.76	10.85	13.6	14.93
	UK Sensible Cooling	kW	5.32	7.44	9.3	10.25	5.32	7.44	9.3	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		6.34	6.40	6.41	6.12	6.34	6.40	6.41	6.12
	Annual Energy Consumption	kWh	376	520	1133	1314	376	520	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		3.27/4.92	3.57/5.13	3.21/5.42	3.03/5.12	3.27/4.92	3.57/5.13	3.21/5.42	3.03/5.12
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.300/0.267/0.233	0.466/0.416/0.366	0.466/0.433/0.400	0.500/0.466/0.433	0.300/0.267/0.233	0.466/0.416/0.366	0.466/0.433/0.400	0.500/0.466/0.433
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	42	50	50	50	42	50	50	50
Sound Pressure (Cooling)	High / Medium / Low	dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
Sound Pressure (Heating)	High / Nom / Low	dBA	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
Sound Power (Cooling)		dBA	55	62	63	65	55	62	63	65

Outdoor Units			RZAG71NV1	RZAG100NV1	RZAG125NV1	RZAG140NV1	RZAG71NY1	RZAG100NY1	RZAG125NY1	RZAG140NY1
Dimensions	Height x Width x Depth	mm	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460
Weight		kg	81	85	95	95	81	85	95	95
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph	3ph
	Maximum Input Current (MCA) A		17.8	22.4	27.6	27.9	11.2	15.1	15.1	15.4
	Max Fuse Size	A	20	32	32	32	16	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	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)	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	3.2	3.2	3.7	3.7	3.2	3.2	3.7	3.7
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46/44	47/45	49/47	50/48	46/44	47/45	49/47	50/48
Sound Pressure (Heating)	Nom / Night Quiet	dBA	48/44	50/45	52/47	52/48	48/44	50/45	52/47	52/48
Sound Power (Cooling)		dBA	64	66	69	70	64	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	1.133	1.117	1.333	1.450	1.133	1.117	1.333	1.450

Accessory Ref	Description
BRP069A81	Wifi adaptor for connection to on-line controller
BRC1H519W7	Wired touch screen remote controller - White (Included as standard)
BRC1H519S7	Wired touch screen remote controller - Silver
BRC1H519K7	Wired touch screen remote controller - Black
K.CGGM	Condensing unit guard size Split 42-71 / Sky Air 35-250
K.CWBXL	Wall Brackets SS (250kg, 600mm)
K.DT2	Condensate drip tray for use with K.CWBXL
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRP4A54-9 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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