



Ceiling suspended

Alpha

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

R-32 **BLUEEVOLUTION**

For wide rooms with no false ceilings

- › Combination with Sky Air Alpha series ensures best in class quality, highest efficiency and performance
- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be mounted in corners and narrow spaces, as it only needs 300mm lateral service space
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › Stylish unit blends easily with any interior. The louvres close entirely when the unit is not operating and there are no air intake grilles visible
- › No optional adapter needed for DIII-connection, link your unit into the wider building managements system
- › Drain pump kit available as accessory
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required



FHA-A



RZAG71

RZAG100-140



BRC1E53A



BRC7G53
(optional)



BRP069A81
(optional)



WI-FI ADAPTOR

AVAILABLE AS AN OPTION

FHA-A / RZAG-M

R-32 **BLUEEVOLUTION**

Indoor Units			Single Phase				3 Phase			
			FHA71A	FHA100A	FHA125A	FHA140A	FHA71A	FHA100A	FHA125A	FHA140A
Capacity	UK Total Cooling	kW	7.76	10.8	13.6	14.9	7.76	10.8	13.6	14.9
	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		7.11	6.42	8.22	6.42	7.11	6.42	8.22	6.42
	Annual Energy Consumption	kWh	335	518	883	1252	335	518	883	1252
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	-	-	A+	A++	-	-
	Pdesign	kW	4.7	7.8	9.5	9.52	4.7	7.8	9.5	9.52
	SCOP		4.32	4.61	4.09	4.3	4.32	4.61	4.09	4.3
	Annual Energy Consumption	kWh	1523	2369	3259	3100	1523	2369	3259	3100
Nominal Efficiency	EER/COP		4.14/4.44	4.86/4.18	4.11/4.39	2.98/4.30	4.14/4.44	4.86/4.18	4.11/4.39	2.98/4.30
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.341/0.283/0.233	0.466/0.400/0.333	0.516/0.450/0.383	0.566/0.483/0.400	0.341/0.283/0.233	0.466/0.400/0.333	0.516/0.450/0.383	0.566/0.483/0.400
Dimensions	Height	mm	235	235	235	235	235	235	235	235
	Width	mm	1270	1590	1590	1590	1270	1590	1590	1590
	Depth	mm	690	690	690	690	690	690	690	690
Weight		kg	32	38	38	38	32	38	38	38
Sound Pressure (Cooling)	High / Nom / Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Sound Pressure (Heating)	High / Nom / Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Sound Power (Cooling)		dBA	55	60	62	64	55	60	62	64
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	17.8	27.4	27.6	27.9	11.2	15.4	15.1	15.4
	Starting Current	A	-	-	-	-	-	-	-	-
	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			
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
BRC7G53	Wireless remote controller
EKR0R04	Remote on/off control interface kit
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
K.R55	Wireless room mounted temperature sensor and receiver
KDDQ50A140	Fresh air intake kit for up to 20% fresh air

Accessory Ref	Description
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
KAFFP01A80	Long life filter for 71 class
KAFFP01A160	Long life filter for 100, 125 & 140 class

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