

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



Floor Standing - Alpha Condenser

Reliable performance for demanding commercial environments

High performance heat rejection

When paired with Daikin's Alpha condenser, the system delivers enhanced heat rejection for stable cooling in high-load environments. Supporting reliable operation even in elevated ambient conditions, improving system resilience for critical technical cooling applications.

Flexible installation

Designed for challenging layouts, connecting to Sky Air Alpha supports pipe runs up to 85 metres and includes a standard 40-metre refrigerant holding charge. Utilising a compact floor-standing design allows easy placement in plant rooms, comms rooms, and technical spaces.

Smart, efficient performance

Daikin's in-house inverter compressors ensure precise and efficient operation. With Variable Refrigerant Temperature (VRT) control, the system adjusts in real-time to maintain stable room conditions, eliminating temperature swings and boosting energy savings.

Maximum reliability

Designed for continuous operation, the unit delivers dependable cooling in demanding technical environments. This ensures stable temperatures to protect sensitive equipment and maintain uptime.



FVA-A



RZAG71-140N





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

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)	Energy Label		A++	A++	-	-	A++	A++	-	-
	Pdesign	kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
COOLING	SEER		6.34	6.40	6.41	6.12	6.34	6.40	6.41	6.12
	ηs,c	%	-	-	253	242	-	-	253	242
	Annual Energy Consumption	kWh	376	520	1133	1314	376	520	1133	1314
Seasonal Efficiency (EN14825)	Energy Label		A+	A+	-	-	A+	A+	-	-
	Pdesign	kW	4.70	7.80	9.52	9.52	4.70	7.80	9.52	9.52
HEATING	SCOP		4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h	%	-	-	163	155	-	-	163	155
	Annual Energy Consumption	kWh	1625	2600	3209	3383	1625	2600	3209	3383
Air Flow Rate (Cooling)	High / Med / Low	m³/min	18.0 / 16.0 / 14.0	28.0 / 25.0 / 22.0	28.0 / 26.0 / 24.0	30.0 / 28.0 / 26.0	18.0 / 16.0 / 14.0	28.0 / 25.0 / 22.0	28.0 / 26.0 / 24.0	30.0 / 28.0 / 26.0
	Height	mm	1850	1850	1850	1850	1850	1850	1850	1850
	Width	mm	600	600	600	600	600	600	600	600
Dimensions	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	35	35	35	35	35	35	35	35
	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/min	68.0	67.0	80.0	87.0	68.0	67.0	80.0	87.0

Notes & Features:

- › Vertical air flow pattern can be adjusted manually to match requirements
- › Controllable horizontal air-blow patterns
- › Comms, computer and server room cooling possible with EDP setting (Alpha only)

Accessories:

Accessory Ref	Description
BRC1E53A	Wired Remote Controller suitable for integration in front panel
BRC1H52W7	Wired touch screen remote controller - White
BRC1H52S7	Wired touch screen remote controller - Silver
BRC1H52K7	Wired touch screen remote controller - Black
BRP069C81	Wi-Fi adapter for use with Daikin ONECTA App
KLIC-DL_V2	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

Accessory Ref	Description
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
EKMPPP1A and UK.FB2	Modbus interface PCB for Sky Air and VRV
K.CGM	Condensing unit guard (1150 x 1150 x 650)
K.CWBXL	Wall bracket (250kg, 660mm support arm)
K.DT2	Condensate drip tray for use with K.CWBXL
K.FF6005	Two flexi-feet (Standard 600mm x 185mm x 100mm) to mount the outdoor unit

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com