



SkyAir Alpha-series **SkyAir** Advance-series

R-32 **BLUEEVOLUTION**

FDA-A / RZAG-N + RZASG-M + RZA-D

ESP up to 250Pa,
ideal for large sized spaces

- › High external static pressure up to 250Pa facilitates extensive duct and grille network
- › 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
- › Reduced energy consumption thanks to specially developed DC fan motor
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Flexible installation, as the air suction direction can be altered from rear to bottom suction (FDA125A)
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed (standard for FDA125A, optional for FDA200-250A)



FDA200-250A



FDA125A



RZASG-M



RZAG-N / RZA-D



BRC1H52W



BRC465
(FDA125A)
(optional)



BRP069C81 (FDA125A)
BRP069C82 (FDA200-250A)
(optional)

FDA-A / RZAG-N + RZASG-M + RZA-D

R-32
BLUEEVOLUTION

| Indoor Units | | | Single Phase | | 3 Phase | | | |
|---------------------------------------|---------------------------|--------|-------------------|-------------------|-------------------|-------------------|-----------------------|-----------------------|
| | | | FDA125A | FDA125A | FDA125A | FDA125A | FDA200A | FDA250A |
| Capacity | UK Total Cooling | kW | 13.60 | 13.60 | 13.60 | 13.60 | 20.8 | 22.9 |
| | UK Sensible Cooling | kW | 9.30 | 9.30 | 9.30 | 9.30 | 17.5 | 20.1 |
| | Nominal Cooling | kW | 12.1 | 12.1 | 12.1 | 12.1 | 19.0 | 22.0 |
| | Nominal Heating | kW | 13.5 | 13.5 | 13.5 | 13.5 | 22.4 | 24.0 |
| | Pdesign | kW | 12.1 | 12.1 | 12.1 | 12.1 | 19.0 | 22.0 |
| Seasonal Efficiency (EN14825) COOLING | SEER | | 6.59 | 5.03 | 6.59 | 5.03 | 6.26 | 5.38 |
| | ηs,c | % | 261 | 198 | 261 | 198 | 247 | 212 |
| | Annual Energy Consumption | kWh | 1102 | 1444 | 1102 | 1444 | 1821 | 2455 |
| | Pdesign | kW | 9.52 | 6.00 | 9.52 | 6.00 | 11.2 | 12.1 |
| | SEOP | | 4.35 | 3.58 | 4.35 | 3.58 | 3.59 | 3.55 |
| Seasonal Efficiency (EN14825) HEATING | ηs,h | % | 171 | 140 | 171 | 140 | 141 | 139 |
| | Annual Energy Consumption | kWh | 3064 | 2346 | 3064 | 2346 | 4368 | 4765 |
| | High / Med / Low | m³/sec | 0.650 / - / 0.467 | 0.650 / - / 0.467 | 0.650 / - / 0.467 | 0.650 / - / 0.467 | 1.067 / 0.833 / 0.600 | 1.150 / 0.933 / 0.717 |
| | High / Nom | Pa | 200/50 | 200/50 | 200/50 | 200/50 | 250/62 | 250/62 |
| | Height | mm | 300 | 300 | 300 | 300 | 470 | 470 |
| Dimensions | Width | mm | 1400 | 1400 | 1400 | 1400 | 1490 | 1490 |
| | Depth | mm | 700 | 700 | 700 | 700 | 1100 | 1100 |
| | Weight | kg | 45 | 45 | 45 | 45 | 104 | 115 |
| Sound Pressure (Cooling) | High / Med / Low | dBA | 40 / - / 33 | 40 / - / 33 | 40 / - / 33 | 40 / - / 33 | 43 / 39 / 36 | 44 / 40 / 37 |
| Sound Pressure (Heating) | High / Med / Low | dBA | 40 / - / 33 | 40 / - / 33 | 40 / - / 33 | 40 / - / 33 | 43 / 39 / 36 | 44 / 40 / 37 |
| Sound Power (Cooling) | | dBA | 66 | 66 | 66 | 66 | 69 | 71 |

| Outdoor Units | | | RZAG125NV1 | RZASG125MV1 | RZAG125NY1 | RZASG125MY1 | RZA200D | RZA250D |
|---------------------------|-------------------------------|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Series | | | Alpha | Advance | Alpha | Advance | Advance | Advance |
| Dimensions | Height x Width x Depth | mm | 870 x 1100 x 460 | 990 x 940 x 320 | 870 x 1100 x 460 | 990 x 940 x 320 | 870 x 1100 x 460 | 870 x 1100 x 460 |
| Weight | | kg | 92 | 70 | 92 | 70 | 117 | 117 |
| Electrical Details | Power Supply | | 1ph | 1ph | 3ph | 3ph | 3ph | 3ph |
| | Maximum Input Current (MCA) A | | 28.2 | 28.9 | 15.7 | 15.7 | 15.9 | 15.9 |
| | Max Fuse Size | A | 32 | 32 | 16 | 16 | 20 | 20 |
| Interconnection Wiring | Core / Cable Size | | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 1.5 | 3+E / 2.5 | 3+E / 2.5 |
| 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) / 7/8 (22.2) | 3/8 (9.5) / 7/8 (22.2) |
| Pipework | Maximum Length | m | 85 | 50 | 85 | 50 | 100 | 100 |
| | Maximum Vertical Rise | m | 30 | 30 | 30 | 30 | 30 | 30 |
| | Precharged to | m | 40 | 30 | 40 | 30 | 30 | 30 |
| | Additional charge | g/m | 35 | 35 | 35 | 35 | 45 | 45 |
| | Holding charge | kg | 3.7 | 2.60 | 3.7 | 2.60 | 5.00 | 5.00 |
| Sound Pressure (Cooling) | Nom / Night Quiet | dBA | 50 | 53/44 | 50 | 53/44 | 53 | 57 |
| Sound Pressure (Heating) | Nom / Night Quiet | dBA | 52 | 57/44 | 52 | 57/44 | 60 | 63 |
| Sound Power (Cooling) | | dBA | 69 | 71 | 69 | 71 | 73 | 76 |
| Operating Range (Cooling) | Min / Max | °CDB | -20 / 52 | -15 / 46 | -20 / 52 | -15 / 46 | -20 / 46 | -20 / 46 |
| Operating Range (Heating) | Min / Max | °CWB | -20 / 18 | -15 / 15.5 | -20 / 18 | -15 / 15.5 | -20 / 15 | -20 / 15 |
| Air Flow Rate (Cooling) | Nominal | m³/sec | 1.333 | 1.183 | 1.333 | 1.183 | 1.683 | 1.983 |

Accessories:

| Accessory Ref | Description |
|---------------|---|
| BRP069C81 | Wifi adaptor for connection to on-line controller (for FDA125A) |
| BRP069C82 | Wifi adaptor for connection to on-line controller (for FDA200 & 250A) |
| 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 |
| EKRORO3 | Remote on/off control interface kit |
| 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 |
| KLIC-DI | KNX Interface for Sky Air and VRV systems |

| Accessory Ref | Description |
|--------------------|--|
| KRCS01-4 | Remote room mounted temperature sensor (for FDA125A) |
| KRCS01-8B | Remote room mounted temperature sensor (for FDA200 & 250A) |
| K.RSS | Wireless room mounted temperature sensor and receiver (for FDA125A) |
| SB.K.RSS_FDA | Wireless room mounted temperature sensor and receiver (for FDA200 & 250A) |
| 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 |

Notes & Features:

- › All fan coils supplied as standard with air filter
- › Up to 250Pa External Static Pressure
- › Auto balancing airflow / ESP on commissioning
- › FDA200-250A requires separate 1ph power supply. Please refer to the installation manual

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