



FHA-A / RZASG-M *SkyAir Advance-series*

R-32 BLUEEVOLUTION

For wide rooms with no false ceilings

- › Combination with Sky Air Advance series ensures good value for money for all types of commercial applications
- › 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



RZASG71M

RZASG100-140M



BRC7GA53-9 (optional)

WI-FI ADAPTOR

AVAILABLE AS AN OPTION

FHA-A / RZASG-M

SkyAir Advance-series

R-32

BLUEEVOLUTION

| Indoor Units | | | Single Phase | | | | 3 Phase | | |
|---------------------------------------|-------------------------------|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | FHA71A9 | FHA100A | FHA125A | FHA140A | FHA100A | FHA125A | FHA140A |
| Capacity | UK Total Cooling | kW | 7.28 | 10.80 | 13.6 | 14.9 | 10.80 | 13.6 | 14.9 |
| | UK Sensible Cooling | kW | 4.99 | 7.44 | 9.30 | 10.25 | 7.44 | 9.30 | 10.25 |
| | Nominal Cooling | kW | 6.8 | 9.5 | 12.1 | 13.4 | 9.5 | 12.1 | 13.4 |
| | Nominal Heating | kW | 7.5 | 10.8 | 13.5 | 15.5 | 10.8 | 13.5 | 15.5 |
| | Seasonal Efficiency (EN14825) | Energy Label | | A+ | A+ | - | - | A+ | - |
| COOLING | Pdesign | kW | 6.8 | 9.5 | 12.1 | 13.4 | 9.5 | 12.1 | 13.4 |
| | SEER | | 5.95 | 5.83 | 5.83 | 5.88 | 5.83 | 5.83 | 5.88 |
| | ηs,c | % | - | - | 230 | 232 | - | 230 | 232 |
| | Annual Energy Consumption | kWh | 400 | 570 | 1246 | 1368 | 570 | 1246 | 1368 |
| Seasonal Efficiency (EN14825) HEATING | Energy Label | | A | A | - | - | A | - | - |
| | Pdesign | kW | 4.5 | 6.0 | 6.0 | 7.8 | 6.0 | 6.0 | 7.8 |
| | SCOP | | 3.90 | 3.91 | 3.83 | 3.81 | 3.91 | 3.83 | 3.81 |
| | ηs,h | % | - | - | 150 | 149 | - | 150 | 149 |
| | Annual Energy Consumption | kWh | 1616 | 2148 | 2193 | 2866 | 2148 | 2193 | 2866 |
| Air Flow Rate (Cooling) | High / Med / Low | m³/sec | 0.341 / 0.283 / 0.233 | 0.467 / 0.400 / 0.333 | 0.517 / 0.450 / 0.383 | 0.567 / 0.483 / 0.400 | 0.467 / 0.400 / 0.333 | 0.517 / 0.450 / 0.383 | 0.567 / 0.483 / 0.400 |
| Dimensions | Height | mm | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
| | Width | mm | 1270 | 1590 | 1590 | 1590 | 1590 | 1590 | 1590 |
| | Depth | mm | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| Weight | | kg | 32 | 38 | 38 | 38 | 38 | 38 | 38 |
| Sound Pressure (Cooling) | High / Med / Low | dBA | 38 / 36 / 34 | 42 / 38 / 34 | 44 / 41 / 37 | 46 / 42 / 38 | 42 / 38 / 34 | 44 / 41 / 37 | 46 / 42 / 38 |
| Sound Pressure (Heating) | High / Med / Low | dBA | 38 / 36 / 34 | 42 / 38 / 34 | 44 / 41 / 37 | 46 / 42 / 38 | 42 / 38 / 34 | 44 / 41 / 37 | 46 / 42 / 38 |
| Sound Power (Cooling) | | dBA | 55 | 60 | 62 | 64 | 60 | 62 | 64 |

| Outdoor Units | | | RZASG71MV1 | RZASG100MV1 | RZASG125MV1 | RZASG140MV1 | RZASG100MY1 | RZASG125MY1 | RZASG140MY1 |
|---------------------------|-------------------------------|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Dimensions | Height x Width x Depth | mm | 770 x 900 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 | 990 x 940 x 320 |
| Weight | | kg | 60 | 70 | 70 | 78 | 70 | 70 | 77 |
| Electrical Details | Power Supply | | 1ph | 1ph | 1ph | 1ph | 3ph | 3ph | 3ph |
| | Maximum Input Current (MCA) A | | 17.8 | 22.2 | 28.3 | 27.9 | 14.9 | 15.1 | 15.4 |
| | Max Fuse Size | A | 20 | 25 | 32 | 32 | 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 |
| 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) |
| | Pipework | | | | | | | | |
| Pipework | Maximum Length | m | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | Maximum Vertical Rise | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Precharged to | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Additional charge | g/m | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | Holding charge | kg | 2.45 | 2.60 | 2.60 | 2.90 | 2.60 | 2.60 | 2.90 |
| Sound Pressure (Cooling) | Nom / Night Quiet | dBA | 46 / 42 | 53 / 44 | 53 / 44 | 54 / 44 | 53 / 44 | 53 / 44 | 54 / 44 |
| Sound Pressure (Heating) | Nom / Night Quiet | dBA | 47 / 42 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 | 57 / 44 |
| Sound Power (Cooling) | | dBA | 65 | 70 | 71 | 73 | 70 | 71 | 73 |
| Operating Range (Cooling) | Min / Max | °CDB | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 | -15 / 46 |
| Operating Range (Heating) | Min / Max | °CWB | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 | -15 / 15.5 |
| Air Flow Rate (Cooling) | Nominal | m³/sec | 0.933 | 1.150 | 1.183 | 1.267 | 1.150 | 1.183 | 1.267 |

Accessories:

| Accessory Ref | Description |
|---------------|---|
| BRP069C81 | Wifi adaptor for connection to on-line controller |
| BRC1H52W | Wired touch screen remote controller - White (Included as standard) |
| BRC1H52S | Wired touch screen remote controller - Silver |
| BRC1H52K | Wired touch screen remote controller - Black |
| BRC7GA53-9 | Wireless remote controller |
| EKRORO4 | 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 |
| K.RSS | Wireless room mounted temperature sensor and receiver |

| Accessory Ref | Description |
|--------------------|--|
| KDDQ50A140 | Fresh air intake kit for up to 20% fresh air |
| 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 |
| KAFP501A80 | Long life filter for 71 class |
| KAFP501A160 | Long life filter for 100, 125 & 140 class |

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