



FCAG-B / AZAS-M *SkyAir Active-series*

R-32 BLUEEVOLUTION

360° air discharge for optimum efficiency and comfort

- › Combinations with Sky Air Active series ensures good value for money for all types of commercial applications
- › Lowest installation height in the market: 204mm for class 71
- › Individual louvre control: flexibility to suit every room layout without changing the location of the unit
- › Modern style decoration panel is available in 4 different variations: white with grey louvers, full white, with black finishing or with Auto Cleaning panel
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications i.e. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Reduced energy consumption thanks to specially developed small tube exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



AZAS71

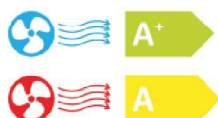
AZAS100-140



BRC1H519W7

BRC7FA532F (optional)

BRP069B82 (optional)



WI-FI ADAPTOR
AVAILABLE AS AN OPTION

FCAG-B / AZAS-M

R-32 BLUEEVOLUTION

| Indoor Units | | | Single Phase | | | | 3 Phase | | |
|---------------------------------------|---------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | FCAG71B | FCAG100B | FCAG125B | FCAG140B | FCAG100B | FCAG125B | FCAG140B |
| Capacity | UK Total Cooling | kW | 7.76 | 10.80 | 13.60 | 14.90 | 10.80 | 13.60 | 14.90 |
| | UK Sensible Cooling | kW | 5.32 | 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) COOLING | Energy Label | | A+ | A+ | - | - | A+ | - | - |
| | Pdesign | kW | 6.8 | 9.5 | 12.1 | 13.0 | 9.5 | 12.1 | 13.0 |
| | SEER | | 5.87 | 5.67 | 5.40 | 6.00 | 5.67 | 5.40 | 6.00 |
| | Annual Energy Consumption | kWh | 405 | 585 | 1345 | 1300 | 586 | 1345 | 1300 |
| 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 | | 4.00 | 3.85 | 3.80 | 4.31 | 3.85 | 3.80 | 4.31 |
| | Annual Energy Consumption | kWh | 1575 | 2182 | 2211 | 2534 | 2182 | 2211 | 2534 |
| Nominal Efficiency | EER/COP | | 3.14/3.71 | 3.26/4.50 | 2.29/4.28 | 2.63/3.73 | 3.26/4.50 | 2.29/4.28 | 2.63/3.73 |
| Air Flow Rate (Cooling) | High / Nom / Low | m ³ /sec | 0.255/0.208/0.155 | 0.380/0.293/0.206 | 0.433/0.320/0.206 | 0.433/0.320/0.206 | 0.380/0.293/0.206 | 0.433/0.320/0.206 | 0.433/0.320/0.206 |
| Dimensions (with Decoration Panel) | Height | mm | 204 (264) | 246 (306) | 246 (306) | 246 (306) | 246 (306) | 246 (306) | 246 (306) |
| | Width | mm | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) |
| | Depth | mm | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) | 840 (950) |
| Weight (with Decoration Panel) | | kg | 21 (26.4) | 24 (29.4) | 24 (29.4) | 24 (29.4) | 24 (29.4) | 24 (29.4) | 24 (29.4) |
| Sound Pressure (Cooling) | High / Nom / Low | dBA | 35/31/28 | 37/33/29 | 41/35/29 | 41/35/29 | 37/33/29 | 41/35/29 | 41/35/29 |
| Sound Pressure (Heating) | High / Nom / Low | dBA | 35/31/28 | 37/33/29 | 41/35/29 | 41/35/29 | 37/33/29 | 41/35/29 | 41/35/29 |
| Sound Power (Cooling) | | dBA | 51 | 54 | 58 | 58 | 54 | 58 | 58 |

| Outdoor Units | | | AZAS71MV1 | AZAS100MV1 | AZAS125MV1 | AZAS140MV1 | AZAS100MY1 | AZAS125MY1 | AZAS140MY1 |
|---------------------------|-------------------------------|---------------------|------------------------|------------------------------|------------------------|------------------------|------------------------------|------------------------|------------------------|
| 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 | | 17.4 | 21.5 | 27.8 | 27 | 14.2 | 14.6 | 14.6 |
| | Max Fuse Size | A | 20 | 25 | 32 | 32 | 16 | 16 | 16 |
| Interconnection Wiring | Core / Cable Size | | 31 E / 1.5 | 31 E / 1.5 | 31 E / 1.5 | 31 E / 1.5 | 31 E / 1.5 | 31 E / 1.5 | 31 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 | Maximum Length | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Maximum Vertical Rise | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Precharged to | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | Additional charge | q/m | | Refer to Installation Manual | | | Refer to Installation Manual | | |
| | 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 | -5/46 | -5/46 | -5/46 | -5/46 | -5/46 | -5/46 | -5/46 |
| 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 | m ³ /sec | 0.933 | 1.150 | 1.183 | 1.266 | 1.150 | 1.183 | 1.266 |

| Accessory Ref | Description |
|---------------|--|
| BYCQ140E | Decoration panel - White (Included as standard) |
| BYCQ140EB | Decoration panel - Black |
| BRP069B82 | Wifi adaptor for connection to on-line controller |
| BRC1H519W7 | New - wired touch screen remote controller - White (Included as standard) |
| BRC1H519S7 | New - wired touch screen remote controller - Silver |
| BRC1H519K7 | New - wired touch screen remote controller - Black |
| BRC7FA532F | Wireless remote controller |
| BRYQ140B | Integral PIR sensor for roundflow decoration panel (for white panel) |
| BRYQ140BB | Integral PIR sensor for roundflow decoration panel (for black panel) |
| BYCQ140EGF | Auto Cleaning Deco Panel - White |
| BYCQ140EGFB | Auto Cleaning Deco Panel - Black |
| BYCQ140EW | Decoration Panel - Full White |
| EWHAR1 | Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together |
| K.CGL | Condensing unit guard size 100-140 |
| K.CGM | Condensing unit guard size 42-71 |

| Accessory Ref | Description |
|--------------------|--|
| 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.RS5 | Wireless room mounted temperature sensor and receiver |
| KDBHQ55B140 | Sealing member for air discharge outlet |
| KDDP55C160-1 | Fresh air intake kit for up to 20% fresh air (Part 1) |
| KDDQ55B140-2 | Fresh air intake kit for up to 20% fresh air (Part 2) |
| KLIC-DI | KNX Interface for Sky Air and VRV systems |
| KRC501-4 | 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.RS5 |
| 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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