

R-32

BLUEVOLUTION

SkyAir Alpha-series

FCAHG-G / RZAG-M

## High COP Roundflow Cassette – Alpha



| Indoor Units                          | Single Phase                                     |                       |                       |                       |                       |                       | 3 Phase               |                       |                       |                       |                       |                       |
|---------------------------------------|--------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                       | FCAHG71G                                         | FCAHG100G             | FCAHG125G             | FCAHG140G             | FCAHG71G              | FCAHG100G             | FCAHG125G             | FCAHG140G             | FCAHG71G              | FCAHG100G             | FCAHG125G             | FCAHG140G             |
| Capacity                              | UK Total Cooling<br>kW<br>5.32                   | 10.80                 | 13.60                 | 14.90                 | 7.76                  | 10.80                 | 13.60                 | 14.90                 | 7.76                  | 10.80                 | 13.60                 | 14.90                 |
|                                       | UK Sensible Cooling<br>kW<br>6.8                 | 7.44                  | 9.30                  | 10.25                 | 5.32                  | 7.44                  | 9.30                  | 10.25                 | 5.32                  | 7.44                  | 9.30                  | 10.25                 |
|                                       | Nominal Cooling<br>kW<br>7.5                     | 10.8                  | 12.1                  | 13.4                  | 6.8                   | 9.5                   | 12.1                  | 13.4                  | 6.8                   | 9.5                   | 12.1                  | 13.4                  |
|                                       | Nominal Heating<br>kW<br>7.5                     | 10.8                  | 13.5                  | 15.5                  | 7.5                   | 10.8                  | 13.5                  | 15.5                  | 7.5                   | 10.8                  | 13.5                  | 15.5                  |
| Seasonal Efficiency<br>(EN14825)      | Energy Label<br>Pdesign<br>kW<br>6.8             | A++                   | A++                   | -                     | A++                   | A++                   | -                     | -                     | A++                   | A++                   | -                     | -                     |
|                                       | SEER                                             | 7.72                  | 7.35                  | 8.02                  | 7.93                  | 7.72                  | 7.35                  | 8.02                  | 7.93                  | 7.72                  | 7.35                  | 8.02                  |
| COOLING                               | Annual Energy Consumption<br>kWh<br>308          | 452                   | 905                   | 1014                  | 308                   | 452                   | 905                   | 1014                  | 308                   | 452                   | 905                   | 1014                  |
| Seasonal Efficiency<br>(EN14825)      | Energy Label<br>Pdesign<br>kW<br>4.70            | A++                   | 9.52                  | -                     | 9.52                  | 4.70                  | A++                   | -                     | 9.52                  | 4.70                  | A++                   | -                     |
|                                       | SCOP                                             | 4.61                  | 4.81                  | 4.53                  | 4.44                  | 4.61                  | 4.81                  | 4.53                  | 4.44                  | 4.61                  | 4.81                  | 4.53                  |
| HEATING                               | Annual Energy Consumption<br>kWh<br>1427         | 2771                  | 2942                  | 3002                  | 1427                  | 2771                  | 2942                  | 3002                  | 1427                  | 2771                  | 2942                  | 3002                  |
| Nominal Efficiency                    | EER/COP                                          | 4.39/4.70             | 5.06/5.04             | 4.30/4.47             | 3.89/4.26             | 4.39/4.70             | 5.06/5.04             | 4.30/4.47             | 3.89/4.26             | 4.39/4.70             | 5.06/5.04             | 4.30/4.47             |
| Air Flow Rate (Cooling)               | High / Nom / Low<br>m <sup>3</sup> /sec<br>0.203 | 0.538/0.428/<br>0.316 | 0.558/0.445/<br>0.166 | 0.558/0.455/<br>0.351 | 0.558/0.455/<br>0.203 | 0.538/0.428/<br>0.316 | 0.558/0.445/<br>0.166 | 0.558/0.455/<br>0.351 | 0.558/0.455/<br>0.203 | 0.538/0.428/<br>0.316 | 0.558/0.445/<br>0.166 | 0.558/0.455/<br>0.351 |
| Dimensions<br>(with Decoration Panel) | Height<br>mm<br>288 (348)                        | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             | 288 (348)             |
|                                       | Width<br>mm<br>840 (950)                         | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             | 840 (950)             |
|                                       | Depth<br>mm<br>25 (30.4)                         | 26 (31.4)             | 26 (31.4)             | 26 (31.4)             | 25 (30.4)             | 26 (31.4)             | 26 (31.4)             | 26 (31.4)             | 25 (30.4)             | 26 (31.4)             | 26 (31.4)             | 26 (31.4)             |
| Weight (with Decoration Panel)        | kg<br>36/33/29                                   | 44/39/33              | 45/40/35              | 45/41/37              | 36/33/29              | 44/39/33              | 45/40/35              | 45/41/37              | 36/33/29              | 44/39/33              | 45/40/35              | 45/41/37              |
| Sound Pressure (Cooling)              | High / Nom / Low<br>dBa<br>53                    | 61                    | 61                    | 61                    | 53                    | 61                    | 61                    | 61                    | 53                    | 61                    | 61                    | 61                    |
| Sound Power (Cooling)                 | dBa<br>53                                        | 61                    | 61                    | 61                    | 53                    | 61                    | 61                    | 61                    | 53                    | 61                    | 61                    | 61                    |

| Outdoor Units             | RZAG71MV1                     |                        | RZAG100MV1 |                        | RZAG125MV1             |                        | RZAG140MV1             |                        | RZAG71MV1  |            | RZAG100MV1 |            | RZAG125MV1 |            | RZAG140MV1 |            |
|---------------------------|-------------------------------|------------------------|------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                           | 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        | 70         | 92         | 92         | 92         | 92         | 92         | 92         | 92         |
| Weight                    | kg                            | 70                     | 1ph        | 1ph                    | 1ph                    | 1ph                    | 1ph                    | 3ph                    | 16         | 16         | 16         | 16         | 16         | 16         | 16         | 16         |
| Electrical Details        | Power Supply                  | 17.5                   | 27.5       | 27.5                   | 27.5                   | 27.5                   | 27.5                   | 10.9                   | 15.4       | 15.0       | 15.0       | 15.0       | 15.0       | 15.0       | 15.0       | 15.0       |
|                           | Maximum Input Current (MCA) A | 20                     | 32         | 32                     | 32                     | 32                     | 32                     | 16                     | 16         | 16         | 16         | 16         | 16         | 16         | 16         | 16         |
|                           | Max Fuse Size                 | A                      | 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  | 3-E / 1.5  | 3-E / 1.5  | 3-E / 1.5  | 3-E / 1.5  | 3-E / 1.5  | 3-E / 1.5  |
| Interconnection Wiring    | Core / Cable Size             | inches (mm)            | 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) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) | 5/8 (15.9) |
| Piping Connections        | Liquid / Gas                  | m                      | 55         | 85                     | 85                     | 85                     | 85                     | 55                     | 85         | 85         | 85         | 85         | 85         | 85         | 85         | 85         |
| Pipework                  | Maximum Length                | m                      | 30         | 30                     | 30                     | 30                     | 30                     | 30                     | 30         | 30         | 30         | 30         | 30         | 30         | 30         | 30         |
|                           | Maximum Vertical Rise         | m                      | 40         | 40                     | 40                     | 40                     | 40                     | 40                     | 40         | 40         | 40         | 40         | 40         | 40         | 40         | 40         |
|                           | Precharged to                 | g/m                    | 40         | 40                     | 40                     | 40                     | 40                     | 40                     | 40         | 40         | 40         | 40         | 40         | 40         | 40         | 40         |
|                           | Additional charge             | g/m                    | 40         | 40                     | 40                     | 40                     | 40                     | 40                     | 40         | 40         | 40         | 40         | 40         | 40         | 40         | 40         |
|                           | Holding charge                | kg                     | 2.95       | 3.75                   | 3.75                   | 3.75                   | 3.75                   | 2.95                   | 3.75       | 3.75       | 3.75       | 3.75       | 3.75       | 3.75       | 3.75       | 3.75       |
| Sound Pressure (Cooling)  | Nom / Night Quiet             | dBa                    | 46/42      | 47/44                  | 50/44                  | 51/44                  | 51/44                  | 46/42                  | 47/44      | 50/44      | 51/44      | 51/44      | 51/44      | 51/44      | 51/44      | 51/44      |
| Sound Pressure (Heating)  | Nom / Night Quiet             | dBa                    | 49/42      | 51/44                  | 52/44                  | 52/44                  | 52/44                  | 49/42                  | 51/44      | 52/44      | 52/44      | 52/44      | 52/44      | 52/44      | 52/44      | 52/44      |
| Sound Power (Cooling)     | dBa                           | 64                     | 66         | 69                     | 70                     | 70                     | 70                     | 65                     | 66         | 69         | 70         | 70         | 70         | 70         | 70         | 70         |
| Operating Range (Cooling) | Min / Max                     | °CDB                   | -20/52     | -20/52                 | -20/52                 | -20/52                 | -20/52                 | -20/52                 | -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     | -20/18     | -20/18     | -20/18     | -20/18     | -20/18     | -20/18     |
| Air Flow Rate (Cooling)   | Nominal                       | m <sup>3</sup> /sec    | 0.983      | 1.166                  | 1.383                  | 1.383                  | 1.383                  | 0.983                  | 1.166      | 1.383      | 1.383      | 1.383      | 1.383      | 1.383      | 1.383      | 1.383      |
| ECA Eligible              |                               |                        | ●          | ●                      | ●                      | ●                      | ●                      | ●                      | ●          | ●          | ●          | ●          | ●          | ●          | ●          | ●          |

| Indoor Unit Trade Price (includes: BRC1E53A + BYCQ140D) |  | £895.00   | £1,012.00 | £1,106.00 | £1,328.00 | £895.00   | £1,012.00 | £1,106.00 | £1,328.00 |
|---------------------------------------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Condensing Unit Trade Price                             |  | £1,354.00 | £1,720.00 | £1,894.00 | £2,161.00 | £1,354.00 | £1,720.00 | £1,894.00 | £2,161.00 |
| Total System Price                                      |  | £2,249.00 | £2,732.00 | £3,000.00 | £3,489.00 | £2,249.00 | £2,732.00 | £3,000.00 | £3,489.00 |

## Accessories:

| Accessory Ref      | Description                                                                         | Trade Price |
|--------------------|-------------------------------------------------------------------------------------|-------------|
| BRC1E53A           | Premium wired remote controller (Included as standard)                              | £86.00      |
| BYCQ140D           | Decoration panel (Included as standard)                                             | £162.00     |
| BRP069A81          | WiFi adaptor for connection to on-line controller                                   | £84.00      |
| BRC1H519W          | New - wired touch screen remote controller - White                                  | £92.00      |
| BRC1H519S          | New - wired touch screen remote controller - Silver                                 | £96.00      |
| BRC1H519K          | New - wired touch screen remote controller - Black                                  | £100.00     |
| BRC7FA53ZF         | Wireless remote controller                                                          | £174.00     |
| BYCQ140A           | Integral PIR sensor for roundflow decoration panel. Enables energy saving functions | £112.00     |
| BYCQ140DG9         | Roundflow cassette decoration panel with self cleaning filter                       | £353.00     |
| BYCQ140DG19        | New Roundflow cassette decoration panel with fine self cleaning filter              | £353.00     |
| BYCQ140DW          | Roundflow cassette decoration panel - white with white louvers                      | £183.00     |
| K.CGL              | Condensing unit guard size 100-140 including RXY5Q                                  | £404.00     |
| K.CGM              | Condensing unit guard size 42-71                                                    | £338.00     |
| K.CWB140-2         | Condensing unit bracket - size 100 to 140                                           | £51.00      |
| K.CWB90-2          | Condensing unit bracket - up to size 71, max weight 90kg of ODU                     | £40.00      |
| K.DT1              | Condensate drip tray for use with K.CWB90-2                                         | £61.00      |
| K.DT2              | Condensate drip tray for use with K.CWB140-2                                        | £66.00      |
| K.R5S              | Wireless remote controlled temperature sensor and receiver                          | £102.00     |
| KDBHQ55B140        | Sealing member for air discharge outlet                                             | £103.00     |
| KDDP55C160-1       | Fresh air intake kit for up to 20% fresh air (Part 1)                               | £133.00     |
| KDDO58B140-2       | Fresh air intake kit for up to 20% fresh air (Part 2)                               | £133.00     |
| KLIC-DI            | KNX Interface for Sky Air and VRV systems                                           | £212.00     |
| KRCS01-4           | Remote room mounted temperature sensor                                              | £45.00      |
| KRP4A53 and UK.FB2 | Unit/group adaptor PCB for remote on/off, status indication and temperature setting | £104.00     |
| RS-SE              | Service and configuration tool for K.R5S                                            | £106.00     |
| RTD-10 and UK.FB2  | Enhanced function PCB for Sky Air and VRV                                           | £267.00     |
| RTD-20 and UK.FB2  | Energy control PCB for Sky Air and VRV                                              | £286.00     |
| RTD-NET and UK.FB2 | Modbus interface PCB for Sky Air and VRV                                            | £215.00     |

BOTH AVAILABLE  
AS AN OPTION