



# High COP, round flow cassette

FCQHG-F



Presence & floor sensor



Home leave operation



Auto-cleaning filter



Draught prevention



Individual flap control

## 360° air discharge for optimum efficiency and comfort

- › High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- › 360° air discharge ensures uniform air flow and temperature distribution
- › Lowest installation height in the market: 204mm for class 71
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel

- › Link your unit into wider building management control systems!
- › Daily automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. Dust can easily be removed with a vacuum cleaner without opening the unit
- › Two optional intelligent sensors improve energy efficiency and comfort. The presence sensor adjusts the set point if no one is detected in the room. It also automatically directs air flow away from any person to avoid draught. The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.

# FCQHG-F + RZQG-L9V1/L(8)Y1, RZQSG-L3/9V1/L(8)Y1



| Indoor unit          |                         | FCQHG                 | 71F                                       | 100F     | 125F     | 140F     |
|----------------------|-------------------------|-----------------------|---|----------|----------|----------|
| Dimensions           | Unit                    | HeightxWidthxDepth mm | 288x840x840                               |          |          |          |
| Decoration panel     | Model                   |                       | BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1 |          |          |          |
|                      | Colour                  |                       | Pure White (RAL 9010)                     |          |          |          |
|                      | Dimensions              | HeightxWidthxDepth mm | 50x950x950/ 50x950x950/ 130x950x950       |          |          |          |
| Sound power level    | Cooling/Heating         | dB(A)                 | 61/61                                     |          |          |          |
| Sound pressure level | Cooling                 | High/Nom./Low         | 36/33/29                                  | 44/39/33 | 45/40/35 | 45/41/37 |
|                      | Heating                 | High/Nom./Low         | 36/33/29                                  | 44/39/33 | 45/40/35 | 45/41/37 |
| Control systems      | Infrared remote control |                       | BRC7FA532F                                |          |          |          |
|                      | Wired remote control    |                       | BRC1D52 / BRC1E52A/B                      |          |          |          |



Combination with Seasonal Smart outdoor units ensure high quality, optimal comfort, flexible installation and highest efficiency values.



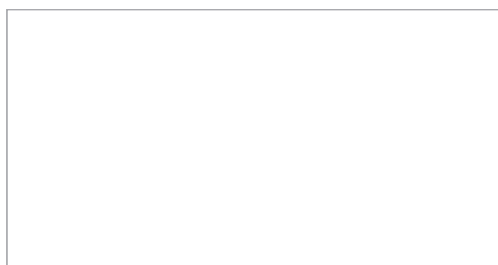
Combination with Seasonal Classic ensures good value for money for all types of commercial applications.

| Efficiency data                            |                           | FCQHG + RZQG/ RZQSG | 71F + 71L8Y1 | 100F + 100L8Y1 | 125F + 125L8Y1 | 140F + 140LY1 | 71F + 71L9V1 | 100F + 100L9V1 | 125F + 125L9V1 | 140F + 140L9V1 | 71F + 71L3V1 | 100F + 100L9V1 | 125F + 125L9V1 | 140F + 140L9V1 | 100F + 100L8Y1 | 125F + 125L8Y1 | 140F + 140LY1 |  |
|--|---------------------------|---------------------|--------------|----------------|----------------|---------------|--------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|---------------|--|
| Cooling capacity                           | Nom.                      | kW                  | 6.8          | 9.5            | 12.0           | 13.4          | 6.8          | 9.5            | 12.0           | 13.4           | 6.8          | 9.5            | 12.0           | 13.4           | 9.5            | 12.0           | 13.4          |  |
| Heating capacity                           | Nom.                      | kW                  | 7.5          | 10.8           | 13.5           | 15.5          | 7.5          | 10.8           | 13.5           | 15.5           | 7.5          | 10.8           | 13.5           | 15.5           | 10.8           | 13.5           | 15.5          |  |
| Power input                                | Cooling                   | Nom.                | 1.66         | 2.15           | 3.00           | 4.00          | 1.66         | 2.15           | 3.00           | 4.00           | 1.94         | 2.57           | 3.71           | 4.17           | 2.57           | 3.71           | 4.17          |  |
|  | Heating                   | Nom.                | 1.56         | 2.16           | 3.07           | 3.77          | 1.56         | 2.16           | 3.07           | 3.77           | 1.83         | 2.51           | 3.60           | 4.29           | 2.51           | 3.60           | 4.29          |  |
| Seasonal efficiency (according to EN14825) | Cooling                   | Energy label        | A++          |                |                |               | A++          |                |                |                | A++          |                |                |                | A              |                |               |  |
|  |                           | Pdesign             | 6.8          | 9.5            | 12             | -             | 6.80         | 9.50           | 12.00          | -              | 6.80         | 9.50           | 12.00          | -              | 9.5            | 12             | -             |  |
|  | SEER                      | 7                   |              |                |                | 6.61          |              |                |                | 7.00           |              |                |                | 6.61           |                |                |               |  |
|  | Annual energy consumption | kWh                 | 340          | 475            | 636            | -             | 340          | 475            | 636            | -              | 366          | 497            | 778            | -              | 497            | 778            | -             |  |
|  | Heating                   | Energy label        | A+           |                |                |               | A+           |                |                |                | A+           |                |                |                | A+             |                |               |  |
| (Average climate)                          | Pdesign                   | kW                  | 7.6          | 11.3           | 12.66          | -             | 7.60         | 11.30          | 12.66          | -              | 7.60         | 11.30          | 12.66          | -              | 8.03           | 12.66          | -             |  |
|  |                           | SCOP                | 4.54         | 4.8            | 4.63           | -             | 4.54         | 4.80           | 4.63           | -              | 4.15         | 4.30           | 4.10           | -              | 4.3            | 4.1            | -             |  |
|  | Annual energy consumption | kWh                 | 2,344        | 3,296          | 3,829          | -             | 2,344        | 3,296          | 3,829          | -              | 2,563        | 2,615          | 2,742          | -              | 2,615          | 2,742          | -             |  |
| Nominal efficiency                         | EER                       |                     | 4.09         | 4.42           | 4.00           | 3.35          | 4.09         | 4.42           | 4.00           | 3.35           | 3.50         | 3.70           | 3.23           | 3.21           | 3.70           | 3.23           | 3.21          |  |
|  | COP                       |                     | 4.80         | 4.99           | 4.40           | 4.12          | 4.80         | 4.99           | 4.40           | 4.12           | 4.10         | 4.30           | 3.75           | 3.61           | 4.30           | 3.75           | 3.61          |  |
|  | Annual energy consumption | kWh                 | 830          | 1,075          | 1,500          | 2,000         | 830          | 1,075          | 1,500          | 2,000          | 970          | 1,285          | 1,855          | 2,085          | 1,285          | 1,855          | 2,085         |  |
|  | Energy label              | Cooling/Heating     | A/A          |                |                |               | A/A          |                |                |                | A/A          |                |                |                | A/A            |                |               |  |

| Outdoor unit         |                         | RZQG/ RZQSG           | 71L8Y1         | 100L8Y1       | 125L8Y1   | 140LY1 | 71L9V1         | 100L9V1       | 125L9V1   | 140L9V1 | 71L3V1         | 100L9V1     | 125L9V1 | 140L9V1 | 100L8Y1        | 125L8Y1     | 140LY1        |  |
|----------------------|-------------------------|-----------------------|----------------|---------------|-----------|--------|----------------|---------------|-----------|---------|----------------|-------------|---------|---------|----------------|-------------|---------------|--|
| Dimensions           | Unit                    | HeightxWidthxDepth mm | 990x940x320    | 1,430x940x320 |           |        | 990x940x320    | 1,430x940x320 |           |         | 770x900x320    | 990x940x320 |         |         | 1,430x940x320  | 990x940x320 | 1,430x940x320 |  |
| Sound power level    | Cooling                 | dB(A)                 | 64             | 66            | 67        | -      | 64             | 66            | 67        | 69      | 65             | 70          |         |         | 69             | 70          | 69            |  |
| Sound pressure level | Cooling                 | Nom./Silent operation | 48/-           | 50/-          | 51/-      | 30/-   | 48/-           | 50/-          | 51/-      | 52/-    | 49/47          | 53/-        | 54/-    | 53/-    | 54/-           | 53/-        | 54/-          |  |
|                      | Heating                 | Nom.                  | 50             | 52            | 51        | -      | 50             | 52            | 53        | 51      | 57             | 58          | 54      | 57      | 58             | 54          |               |  |
|                      | Night quiet mode        | Level 1               | 43             | 45            |           | -      | 43             | 45            |           |         | -              | 49          |         |         |                |             |               |  |
| Operation range      | Cooling                 | Ambient               | Min.-Max. °CDB |               | -15~50    |        | -15~50         |               | -15~50    |         | -15.0~46       |             |         |         |                |             |               |  |
|                      | Heating                 | Ambient               | Min.-Max. °CWB |               | -20~-15.5 |        | -20~-15.5      |               | -15~-15.5 |         |                |             |         |         |                |             |               |  |
| Refrigerant          | Type/GWP                |                       | R-410A/2,087.5 |               |           |        | R-410A/2,087.5 |               |           |         | R-410A/2,087.5 |             |         |         | -              | -           |               |  |
|                      | Charge                  | kg/TCO <sub>Eq</sub>  | 2.9/6.1        | 4.0/8.4       |           |        | 2.9/6.1        | 4.0/8.4       |           |         | 2.75/5.7       | 2.9/6.1     | 4.0/8.4 | 2.9/6.1 | 4.0/8.4        |             |               |  |
| Power supply         | Phase/Frequency/Voltage | Hz/V                  | 3N~/50/380-415 |               |           |        | 1~/50/220-240  |               |           |         | 1~/50/220-240  |             |         |         | 3N~/50/380-415 |             |               |  |

Contains fluorinated greenhouse gases (1) EER/COP according to Eurovent 2012, for use outside EU only (2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load (3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (4) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

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