



FCQHG-F / RZQSG-LV1(LY1)

Roundflow Cassette

Hi Efficiency – Seasonal Classic



RZQSG12SLV1

Outdoor Unit

| | | |
|---------------------|-----------|--------------------|
| RZQSG71 | H x W x D | 770 x 900 x 320mm |
| RZQSG100/125 | H x W x D | 990 x 940 x 320mm |
| RZQSG140 | H x W x D | 1430 x 940 x 320mm |

Accessories

| |
|--------------------------------------|
| Self cleaning deco-panel (BRCQ140DG) |
| White louvred deco-panel (BRCQ140DW) |
| Presence sensor (BRYQ140A) |
| Fresh air intake kit (KDDQ55B140) |

Seasonal Classic

Daikin's unique 360° Roundflow cassette, re-engineered for Seasonal Efficiency. The Hi-COP Roundflow cassette exceeds Energy Related Products Directive minimum efficiency standards for Seasonal Efficiency, combining industry leading efficiencies with functionality to suit office and retail applications.

The Roundflow cassette has 23 different air flow settings to ensure optimum airflow and temperature distribution, while the presence and floor sensors can detect people and adjust temperature and airflow direction to ensure comfort and efficiency.

The remote controller gives access to a range of energy saving settings, allowing control over set-point ranges and day-to-day use of controls. The controller also gives a kWh indication of the power consumed by the Cassette and outdoor unit so you can monitor your energy use.

FEATURES

BENEFITS

| | |
|---|--|
| Programmable air discharge outlets via remote control | Room configurations can be changed without re-positioning cassette |
| R22 Replacement technology | Re-use of existing R22 and R407C piping possible, allowing only fan-coil and condensers to be replaced |
| D3 connection as standard | Allows integration and control of split system into building management systems |
| Presence sensor | Controlling temperature set point based on occupancy can reduce running costs by up to 27% |
| Self-cleaning decoration panel | Automatic cleaning of air-filter can save up to 30% in running costs |

| Indoor Units | | | Single Phase | | | | 3 Phase | | | | | |
|--|---------------------------|---------------------------|----------------------------------|-------------|-------------|----------------------------------|-------------|-------------|-------------|------|--|--|
| | | | FCQHG71F | FCQHG100F | FCQHG125F | FCQHG140F | FCQHG100F | FCQHG125F | FCQHG140F | | | |
| Cooling Capacity | Nominal | kW | 6.8 | 9.5 | 12 | 13.4 | 9.5 | 12 | 13.4 | | | |
| | UK Total | kW | 7.28 | 10.8 | 13.6 | 14.9 | 10.8 | 13.6 | 14.9 | | | |
| | UK Sensible | kW | 4.99 | 7.44 | 9.3 | 10.25 | 7.44 | 9.3 | 10.25 | | | |
| Heating Capacity | Nominal | kW | 7.5 | 10.8 | 13.5 | 15.5 | 10.8 | 13.5 | 15.5 | | | |
| Seasonal efficiency (according to EN14825) | Cooling | Energy label | A+ | | | A | | | - | | | |
| | | Pdesign | kW | 6.8 | 9.5 | 12.0 | - | 9.5 | 12.0 | - | | |
| | | SEER | | 5.70 | | | 5.21 | | | 5.70 | | |
| | | Annual energy consumption | kWh | 418 | 583 | 806 | - | 583 | 806 | - | | |
| | Heating (Average climate) | Energy label | | A | | | - | | | A | | |
| | | Pdesign | kW | 7.6 | 8.0 | | - | 8.0 | | - | | |
| | | SCOP | | 3.95 | 3.91 | 3.81 | - | 3.91 | 3.81 | - | | |
| Annual energy consumption | kWh | 2,684 | 2,874 | 2,949 | - | 2,874 | 2,949 | - | | | | |
| Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load) | EER | | 3.50 | 3.70 | 3.23 | 3.21 | 3.70 | 3.23 | 3.21 | | | |
| | COP | | 4.10 | 4.30 | 3.75 | 3.61 | 4.30 | 3.75 | 3.61 | | | |
| | Annual energy consumption | kWh | 1,059 | 1,285 | 1,855 | 2,085 | 1,285 | 1,855 | 2,085 | | | |
| | Energy label | Cooling/Heating | A/A | | | A/A | | | | | | |
| Nominal Power Input | Cooling / Heating | kW | 2.12 / 2.08 | 2.57 / 2.51 | 3.71 / 3.6 | 4.17 / 4.29 | 2.57 / 2.51 | 3.71 / 3.6 | 4.17 / 4.29 | | | |
| Dimensions (with deco-panel) | Height x Width x Depth | mm | 288(348) x 840 (950) x 840 (950) | | | 288(348) x 840 (950) x 840 (950) | | | | | | |
| Weight (with deco-panel) | | kg | 25 (30.5) | 26 (31.4) | | 26 (31.4) | | 26 (31.4) | 26 (31.4) | | | |
| Air Flow Rate | High / Low | m ³ /min | 21.2 / 12.2 | 32.3 / 19 | 33.5 / 19.9 | 45 / 37 | 32.3 / 19 | 33.5 / 19.9 | 45 / 37 | | | |
| Sound Power | High | dBA | 53 | 61 | | 61 | 61 | 61 | | | | |
| Sound Pressure | High / Low | dBA | 36 / 29 | 44 / 33 | 45 / 35 | 45 / 37 | 44 / 33 | 45 / 35 | 45 / 37 | | | |
| Refrigerant | Type | | R410A | | | R410A | | | | | | |
| Power Supply | | | From outdoor unit | | | From outdoor unit | | | | | | |
| Controller | | | BRC1E52A wired | | | BRC1E52A wired | | | | | | |

| Outdoor Unit | | | RZQSG71LV1 | RZQSG100LV1 | RZQSG125LV1 | RZQSG140LV1 | RZQSG100LY1 | RZQSG125LY1 | RZQSG140LY1 |
|------------------------------------|------------------------|--------|------------------------|-----------------|-------------|------------------|-----------------|-------------|------------------|
| Dimensions | Height x Width x Depth | mm | 770 x 900 x 320 | 990 x 940 x 320 | | 1430 x 940 x 320 | 990 x 940 x 320 | | 1430 x 940 x 320 |
| Weight | | kg | 67 | 81 | | 101 | 82 | | 101 |
| Operation Range | Cooling Min~Max | °CDB | -5°C to +46°C | | | -5°C to +46°C | | | |
| | Heating Min~Max | °CWB | -15°C to +15.5°C | | | -15°C to +15.5°C | | | |
| Sound Power | High | dBA | 65 | 69 | 67 | 69 | 69 | 70 | 69 |
| Sound Pressure | Nominal | dBA | 49 | 53 | 51 | 53 | 53 | 54 | 53 |
| Refrigerant | Type | | R410A | | | R410A | | | |
| Power Supply | | | 1~ / 50Hz / 220 - 240v | | | 3~ / 50Hz / 400v | | | |
| Piping connections | Liquid (OD)/Gas | inches | 3/8 / 5/8 | | | 3/8 / 5/8 | | | |
| Piping Length (Maximum) | | m | 30 | 50 | | 50 | | | |
| Max Installation Height Difference | | m | 15 | 30 | | 30 | | | |



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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