

**PROJECT NAME:**

|               |               |
|---------------|---------------|
| Location:     | Approval:     |
| Engineer:     | Date:         |
| Submitted to: | Construction: |
| Submitted by: | Unit #:       |
| Reference:    | Drawing #:    |

**FEATURES AND BENEFITS**

**Dual sensors**

**Dual sensor and individual airflow direction control automatically provide optimal control of airflow.**

**Infrared presence sensor**

The 4 sensors detect human presence.

**Infrared floor sensor**

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

**Sensing sensor low mode (default: OFF)**

**When there are no people in a room, the set temperature is shifted automatically.**

The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

**Sensing sensor stop mode (default: OFF)**

**When there are no people in a room, the system stops automatically.**

The system automatically saves energy by detecting whether or not the room is occupied. Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

**Auto airflow function**

With Auto airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When human is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

**Draft prevention function**

With Auto airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When human is detected, drafts are prevented by making the flap horizontal.

**360° Airflow & Selectable Airflow Pattern**

Indoor unit offers 360° airflow discharges air in all directions with more uniform temperature distribution.

Because air flows out from corner outlets, comfort spreads more widely.

**Switchable fan speed: 5 steps and Auto**

Control of airflow rate has been improved from 3-step to 5-step.

Auto airflow rate is newly available.

**Suitable for high ceilings**

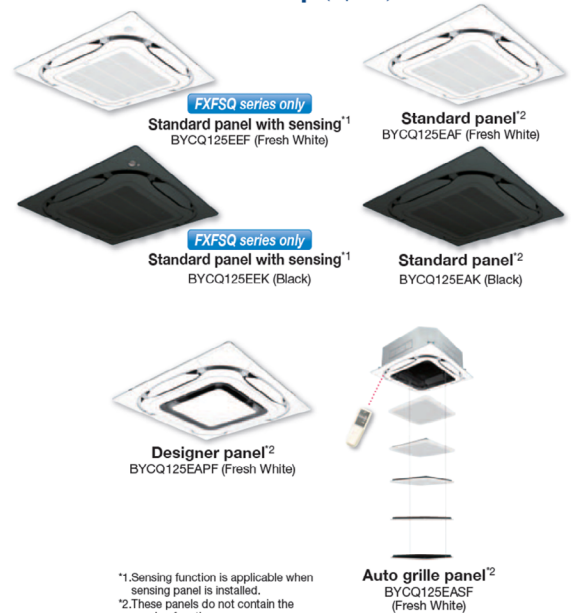
Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

**EXTERNAL APPEARANCE**



**R-410A**

**Decoration Panel Lineup (Option)**



\*1.Sensing function is applicable when sensing panel is installed.  
\*2.These panels do not contain the sensing function.

## SPECIFICATIONS MODEL: ROUND FLOW CASSETTE WITH SENSING 50/60 Hz - FXFSQ125AVM

| Model  |                                |              | FXFSQ125AVM   |                          |                           |
|--|--------------------------------|--------------|---|--------------------------|---------------------------|
| Power supply   |                                |              | 1 phase, 220-240/220-230 V, 50/60 Hz  |                          |                           |
| *1 *3 Cooling capacity   |                                |              | kcal/h  | 12,000                   |                           |
|  |                                |              | Btu/h   | 47,800                   |                           |
|  |                                |              | kW  | 14.00                    |                           |
| *2 *3 Heating capacity   |                                |              | kcal/h  | 13,800                   |                           |
|  |                                |              | Btu/h   | 54,600                   |                           |
|  |                                |              | kW  | 16.0                     |                           |
| Power input  | Cooling                        | 50 Hz        | kW  | 0.170                    |                           |
|  |                                | 60 Hz        | kW  | 0.170                    |                           |
|  | Heating                        | 50 Hz        | kW  | 0.150                    |                           |
|  |                                | 60 Hz        | kW  | 0.150                    |                           |
| Casing / Colour  |                                |              | Galvanised steel plate  |                          |                           |
| Dimensions: (HxWxD)  |                                |              | mm  | 298x840x840              |                           |
| Coil (Cross fin coil)  | Rows x Stages x Fin pitch      |              | mm  | 2x18x1.2 (φ5)            |                           |
|  | Face area                      |              | m <sup>2</sup>  | 0.550                    |                           |
| Fan  | Model                          |              | QTS48G15M   |                          |                           |
|  | Type                           |              | Turbo fan   |                          |                           |
|  | Motor output x Number of units |              | W   | 106x1                    |                           |
|  | Airflow rate (H/HM/M/ML/L)     |              |   | m <sup>3</sup> /min      | 34.5/31.5/28.5/25.5/23    |
|  |                                |              |   | l/s                      | 575/535/475/425/233       |
|  |                                |              |   | cfm                      | 1,218/1,112/1,008/000/812 |
| Drive  |                                | Direct drive |   |                          |                           |
| Temperature control  |                                |              | Microprocessor thermostat for cooling and heating   |                          |                           |
| Sound absorbing thermal insulation material  |                                |              | Polyurethane form   |                          |                           |
| Piping connections   | Liquid pipes                   |              | mm  | φ9.5                     |                           |
|  | Gas pipes                      |              | mm  | φ15.9                    |                           |
|  | Drain pipe                     |              | mm  | φ26 (hole)               |                           |
| Mass   |                                |              | kg  | 25                       |                           |
| *4 Sound pressure level (H/HM/M/ML/L)  |                                |              | dB(A)   | 45.0/42.5/39.5/37.0/35.0 |                           |
| Safety devices   |                                |              | Fuse  |                          |                           |
| Refrigerant control  |                                |              | Electronic expansion valve  |                          |                           |
| Decoration panel (option)  | Model                          |              | BYCQ125EAF  |                          |                           |
|  | Colour                         |              | Fresh white   |                          |                           |
|  | Dimensions: (HxWxD)            |              | mm  | 50x950x950               |                           |
|  | Air filter                     |              | Resin net (with mould resistance)   |                          |                           |
| Mass   |                                | kg           | 5.5   |                          |                           |
| Standard accessories   |                                |              | Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide |                          |                           |
| Drawing No.  | Specification                  |              | C: 3D112945B  |                          |                           |
|  | Sound level                    |              | C: 4D509732A  |                          |                           |
| <b>Notes:</b><br>*1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.<br>*2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.<br>*3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.<br>*4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit center. During actual operation, these values are normally somewhat higher as a result of ambient conditions. |                                |              |   |                          |                           |

