GENERAFRIO

# FAN COIL UNIT TECHNICAL REPORT

Project: GENERAFRIO
Unit No. FC-01
Software Name: McQuay Smart Tools
Software version: V1.0.17
Selection date: 21/10/2024

## General

| | | | |
|---|---|---|---|
| Unit Model | FWW600VC-K | Power Source | 208-230V~/60Hz |
| Application Air Flow($m^3$/h) | 1043 | Fan Control type | 3 Speed |
| Application ESP (Pa) | 50 | Fan Speed | High |
| Power Input (W) | 146 | Fan Running Current (A) | 0.64 |
| Net Dimension W*D*H (mm) | 1045x536x235 | Shipping Demension W*H*D (mm) | 1061x558x250 |
| Unit Net Weight (kg) | 21.3 | Altitude (m) | 0 |

## Configuration information

| | | | |
|---|---|---|---|
| Drain Pan Type | Standard | Return Plenum Type | Back |
| Drain Pan Material | Cold-rolled Steel | Return Plenum Insulation | 5mmXPE |
| Drain Pan Insulation | Standard | Filter Type | 8mm Nylon Filter |
| Coil area ($m^2$) | 0.17 | Face Velocity(m/s) | 1.68 |
| FPI | 16 | Fins Material | Hydrophilic Aluminum |
| Pipe Connection | Left | Water Connection Size | Rc3/4 |
| Motor type | AC | Fan Qty | 2 |
| Rated Motor Speed (RPM) | 1316 | Motor Qty | 1 |

## Cooling coil (Cooling Mode)

| | | | |
|---|---|---|---|
| Total Cooling Capacity(kW) | 5.90 | Sensible Cooling Capacity(kW) | 4.20 |
| On Coil (DB/WB) (°C) | 27.0/19.5 | EWT(°C) | 7.00 |
| Off Coil (DB/WB) (°C) | 13.9/13.1 | LWT(°C) | 12.00 |
| Coil Rows | 3 | WPD (kPa) | 24 |
| Water Volume (L) | 0.93 | Water Flow Rate (l/s) | 0.28 |

## Acoustical performance

| Octave Band | 63Hz | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz | Overall |
|---|---|---|---|---|---|---|---|---|---|
| Sound pressure level | 15.8 | 31.5 | 36.6 | 39.1 | 40.3 | 37.6 | 30.1 | 21.3 | 45.0dB(A) |

Note

(1)The unit capacity is based on 230V voltage.

(2)The acoustical performance is measured according to GB/T 19232-2019 (1m below the unit bottom).

(3)Unit net weight is excluded accessories.

(4)The power input(excluded e-heater), current, motor speed and sound data are calculated for reference, please refer to the actual unit and adjust it on site.