



## FAN COIL UNIT TECHNICAL REPORT

Project:REFERENCE

Unit No.:FCU-01

Software Name: McQuay Smart Tools Selection date:18/8/2023

Software version:V1.0.16



### General

|                                   |             |                               |                |
|-----------------------------------|-------------|-------------------------------|----------------|
| Unit Model                        | FWW200VA    | Power Source                  | 220-240V~/50Hz |
| Application/Design Air Flow(m³/h) | 304/320     | Fan Speed                     | Medium         |
| Application/Design ESP (Pa)       | 50/50       | Running current (A)           | 0.20           |
| Fan Power Input (W)               | 45          | Shipping Dimension W*H*D (mm) | 641?558?250    |
| Net Dimension W*D*H (mm)          | 625?536?235 | Altitude(m)                   | 0              |
| Unit Net Weight (kg)              | 13.8        |                               |                |

### 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              | 25mm AL Filter       |
| Coil area (m²)       | 0.08              | Face Velocity(m/s)       | 1.02                 |
| FPI                  | 15                | Fins Material            | Hydrophilic Aluminum |
| Pipe Connection      | Left              | Water Connection Size    | Rc3/4                |
| Fan type             | FC                | Fan Qty                  | 1                    |
| Motor type           | AC                | Motor Qty                | 1                    |

### Cooling coil (Cooling Mode)

|                            |           |                               |       |
|----------------------------|-----------|-------------------------------|-------|
| Total Cooling Capacity(kW) | 1.59      | Sensible Cooling Capacity(kW) | 1.28  |
| On Coil (DB/WB) (°C)       | 24.4/17.2 | EWT(°C)                       | 5.50  |
| Off Coil (DB/WB) (°C)      | 11.6/11.2 | LWT(°C)                       | 14.50 |
| Coil Rows                  | 4         | WPD (kPa)                     | 16.0  |
| Water Volume (L)           | 0.64      | Water Flow Rate (l/s)         | 0.042 |

### Acoustical performance

| Octave Band           | 63Hz | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz | Overall |
|-----------------------|------|-------|-------|-------|--------|--------|--------|--------|---------|
| Lw Inlet + Rad(dB(A)) | 23.4 | 35.9  | 45.2  | 51.3  | 49.8   | 46.1   | 39.1   | 30.2   | 55      |
| Lw Outlet Duct(dB(A)) | 23.6 | 26.1  | 32.4  | 41.7  | 47.5   | 42.8   | 38     | 31.5   | 50      |

#### Note:

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

(2)The acoustical performance is certificated by Eurovent at rated condition.

(3)The power input, current are only for reference, please refer to the actual unit.

(4)The certificated performances, conditions and the certification of the software have to be verified in [www.eurovent-certification.com](http://www.eurovent-certification.com).