FAN COIL UNIT TECHNICAL REPORT

Project:REFERANCE Unit No.:FCU-01

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

Software version:V1.0.16

General

Unit Model	FWW800VA	Power Source	220-240V~/50Hz
Application/Design Air Flow(m^3/h)	1213/1300	Fan Speed	Medium
Application/Design ESP (Pa)	50/50	Running current (A)	0.71
Fan Power Input (W)	160	Shipping Dimension W*H*D (mm)	1441?558?250
Net Dimension W*D*H (mm)	1425?536?235	Altitude(m)	0
Unit Net Weight (kg)	33.4		

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 (m^2)	0.25	Face Velocity(m/s)	1.34
FPI	15	Fins Material	Hydrophilic Aluminum
Pipe Connection	Left	Water Connection Size	Rc3/4
Fan type	FC	Fan Qty	3
Motor type	AC	Motor Qty	2

Cooling coil (Cooling Mode)

Total Cooling Capacity(kW)	5.64	Sensible Cooling Capacity(kW)	4.58
On Coil (DB/WB) (°C)	24.4/17.2	EWT(°C)	5.50
Off Coil (DB/WB) (°C)	11.7/11.3	LWT(°C)	14.50
Coil Rows	4	WPD (kPa)	14.0
Water Volume (L)	1.80	Water Flow Rate (l/s)	0.149

Acoustical performance

Octave Band	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Overall
Lw Inlet + Rad(dB(A))	27.5	43.1	52.7	57.3	54.8	52.3	45.6	37.1	61
Lw Outlet Duct(dB(A))	22.3	34.4	42.5	48.2	51.5	47.1	44.9	37.7	55

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.