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	FWW700VC-K	Power Source	208-230V~/60Hz
Application Air Flow(m^3/h)	1202	Fan Control type	3 Speed
Application ESP (Pa)	50	Fan Speed	High
Power Input (W)	171	Fan Running Current (A)	0.75
Net Dimension W*D*H (mm)	1095x536x235	Shipping Demension W*H*D (mm)	1111x558x250
Unit Net Weight (kg)	22.0	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)	0.18	Face Velocity(m/s)	1.83
FPI	16	Fins Material	Hydrophilic Aluminum
Pipe Connection	Left	Water Connection Size	Rc3/4
Motor type	AC	Fan Qty	2
Rated Motor Speed (RPM)	1366	Motor Qty	1

Cooling coil (Cooling Mode)

Total Cooling Capacity(kW)	6.71	Sensible Cooling Capacity(kW)	4.79
On Coil (DB/WB) (°C)	27.0/19.5	EWT(°C)	7.00
Off Coil (DB/WB) (°C)	14.0/13.1	LWT(°C)	12.00
Coil Rows	3	WPD (kPa)	35
Water Volume (L)	0.99	Water Flow Rate (l/s)	0.32

Acoustical performance

Octave Band	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	Overall
Sound pressure level	21.6	29.3	38.0	39.3	42.5	39.5	33.0	23.9	46.5dB(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.