



Fan Coil Unit Selection Technical Datasheet



Customer
Project
FCU Ref.

Date
Offer n°
Page

6/6/2024
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Fan Coil Unit Model

42MEHD14

Vs:(5)

Unit Type

Ducted

Air Data

Std.air(20°C;1.013bar)

Air pressure / altitude	101300	Pa	0	m		
Fan speed step	Medium		1250	rpm		
External Static pressure	50	Pa				
Air flow	566	l/s	0.68204	kg/s		
Air in	24	°C	18	°C	10.48	gr/lbs
Air out	10.7	°C	10.4	°C	7.73	gr/lbs
Capacity total / sensible	12.67	kW	8.31	kW		
Condensation	0.0017	l/s				

Fluid Data

Typ of fluid	Water				
Fluid flow	0.503	l/s	0.503	kg/s	
Fluid temp. in / out	6	°C	12	°C	
Pressure drop coil	76.7	kPa			

Sound Data

Fan speed step	High	Medium	Low						
Sound Power Level Lw	65	64	61	db(A)					
Sound Pressure Level Lp	54	53	50	db(A)					
Lp Octave band @	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
High	33.6	37.5	47.3	50.4	47.6	39.1	28.7	41.4	db(A)
Medium	32.2	36.3	40.4	46.4	49.1	46.9	38.3	28.4	db(A)
Low	26.7	31.3	38.5	43.2	46.3	43.6	36.8	25.2	db(A)

Sound Pressure Level according to ISO 11203 at 1 meter from the unit

Electric Data

Power Supply	220V-1ph-50Hz				
Fan speed step	High	Medium	Low		
Input power	463	374	248	W	
Input current	1.98	1.6	1.08	Amps	

Dimensions and weights

Unit Dims (LxWxH)* / Weight	1190	x	650	x	375	mm	46	kg
Shipp. Dims (LxWxH)* / Weight	1210	x	660	x	385	mm	48	kg
Duct Conn. (AxB)* outlet	222	x	950	mm				
Water Connections	In	1"NPT		Out	1"NPT		Drain pan	3/4"NPT
Nbr. of Rows / Fin Space	4	/	1.7	mm				

