



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

42MEHD12

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	472	l/s	0.56836	kg/s		
Air in	24	°C	18	°C	10.48	gr/lbs
Air out	8.4	°C	8.4	°C	6.82	gr/lbs
Capacity total / sensible	12.95	kW	8.13	kW		
Condensation	0.00188	l/s				

Fluid Data

Typ of fluid	Water				
Fluid flow	0.514	l/s	0.514	kg/s	
Fluid temp. in / out	6	°C	12	°C	
Pressure drop coil	66.5	kPa			

Sound Data

Fan speed step	High	Medium	Low						
Sound Power Level Lw	64	62	60	db(A)					
Sound Pressure Level Lp	53	51	49	db(A)					
Lp Octave band @	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
High	32.2	36.3	40.5	46.5	49.2	47	38.3	28.4	db(A)
Medium	27.4	32.1	39.6	44.5	47.6	44.9	37.7	25.9	db(A)
Low	27.3	32.2	36.7	42.9	45	42.8	32.9	22.3	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	369	330	258	W	
Input current	1.73	1.46	1.11	Amps	

Dimensions and weights

Unit Dims (LxWxH)* / Weight	990	x	650	x	375	mm	37	kg
Shipp. Dims (LxWxH)* / Weight	1010	x	660	x	385	mm	39	kg
Duct Conn. (AxB)* outlet	222	x	700	mm				
Water Connections	In	1"NPT		Out	1"NPT		Drain pan	3/4"NPT
Nbr. of Rows / Fin Space	4	/	1.7	mm				

