



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

42MEHD18

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	755	l/s	0.90938	kg/s		
Air in	24	°C	18	°C	10.48	gr/lbs
Air out	10.5	°C	10	°C	7.47	gr/lbs
Capacity total / sensible	17.63	kW	11.28	kW		
Condensation	0.00248	l/s				

Fluid Data

Typ of fluid	Water				
Fluid flow	0.7	l/s	0.7	kg/s	
Fluid temp. in / out	6	°C	12	°C	
Pressure drop coil	87.5	kPa			

Sound Data

Fan speed step	High	Medium	Low						
Sound Power Level Lw	67	65	62	db(A)					
Sound Pressure Level Lp	56	54	51	db(A)					
Lp Octave band @	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
High	35.3	39.3	49.3	52.4	49.9	41.4	31	43.3	db(A)
Medium	33.6	37.5	47.4	50.5	47.7	39.2	28.7	41.5	db(A)
Low	27.3	32	39.3	44.2	47.3	44.6	37.6	25.8	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	519	472	358	W	
Input current	2.31	2.09	1.63	Amps	

Dimensions and weights

Unit Dims (LxWxH)* / Weight	1390	x	650	x	375	mm	50	kg
Shipp. Dims (LxWxH)* / Weight	1410	x	660	x	385	mm	52	kg
Duct Conn. (AxB)* outlet	222	x	1075	mm				
Water Connections	In	1"NPT		Out	1"NPT		Drain pan	3/4"NPT
Nbr. of Rows / Fin Space	4	/	1.7	mm				

