



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

42MEHD20

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	850	l/s	1.02305	kg/s		
Air in	24	°C	18	°C	10.48	gr/lbs
Air out	10.9	°C	10.6	°C	7.8	gr/lbs
Capacity total / sensible	18.64	kW	12.26	kW		
Condensation	0.00248	l/s				

Fluid Data

Typ of fluid	Water					
Fluid flow	0.74	l/s	0.74	kg/s		
Fluid temp. in / out	6	°C	12	°C		
Pressure drop coil	82.2	kPa				

Sound Data

Fan speed step	High	Medium	Low						
Sound Power Level Lw	67	65	63	db(A)					
Sound Pressure Level Lp	56	54	52	db(A)					
Lp Octave band @	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
High	35.5	39.6	49.6	52.7	50.2	41.7	31.2	43.6	db(A)
Medium	33.8	37.7	47.7	50.8	48	39.5	28.9	41.8	db(A)
Low	29.8	34.1	40.7	45.8	48.2	45.4	36.9	27.5	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	603	516	421	W		
Input current	2.72	2.26	1.91	Amps		

Dimensions and weights

Unit Dims (LxWxH)* / Weight	1440	x	650	x	375	mm	53	kg
Shipp. Dims (LxWxH)* / Weight	1460	x	660	x	385	mm	55	kg
Duct Conn. (AxB)* outlet	222	x	1175	mm				
Water Connections	In	1 1/4"NPT	Out	1 1/4"NPT	Drain pan	3/4"NPT		
Nbr. of Rows / Fin Space	4	/	1.7	mm				

