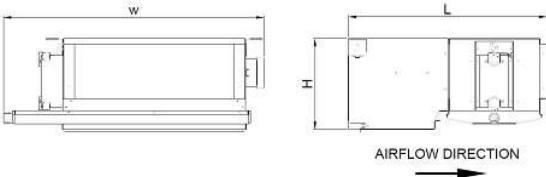




42CT FANCOIL UNIT

Project:		Country:	
Customer:		City:	
Reference:		Date:	30.12.2021 11:33:14

Model	42CT0230S1SPRR1LN0				Ref No		
Performance Data		Cooling (Season 1)			Heating (Season 2)		
		High	Medium	Low	High	Medium	Low
Total Capacity	kW	2.89	2.38	1.43	6.42	5.33	3.30
Sensible Capacity	kW	1.88	1.53	0.90			
Air Side Data							
Room Dry / Wet Bulb Temp.	°C	27.00 / 19.53			20.00 / 13.78		
Room Humidity	%	50.00			50.00		
Air Outlet Temperature	°C	14.21	13.62	12.67	62.46	65.29	70.24
Air Outlet Humidity	%	92.71	94.12	96.71	5.09	4.48	3.59
Room ΔT Factor	K	1.00					
Fluid Side Data							
Fluid / Mixture Rate	- / %	Water / 0			Water / 0		
Inlet / Outlet Temperature	°C	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0	80.0 / 60.0	80.0 / 60.0	80.0 / 60.0
Fluid Volumetric Flow	m³/h	0.50	0.41	0.25	0.28	0.23	0.15
Fluid Mass Flow	kg/s	0.14	0.11	0.07	0.08	0.06	0.04
Fluid Pressure Drop	kPa	37.10	26.97	12.53	10.06	7.49	4.40
Condensated Water	kg/h	1.28	1.08	0.68			
Fan / Efficiency Data							
Air Flow	m³/h	450.53	350.94	195.59			
External Static Pressure	Pa	10	10	10			
Total Fan Power Input	Watt	50.08	41.31	31.15			
Total Fan Current	A	0.22	0.18	0.14			
Fan Specific Power	W/l/s	0.4	0.42	0.57			
Sound Power Level (LWA)	dBA	54.57	50.32	36.16			
Sound Pressure Level (LPA)	dBA	44.57	40.32	26.16			
Ceiling / Room Attenuation	dBA	5 / 5					
Voltage / Frequency / Phase	V/Hz/Ph	230 / 50 / 1					
Efficiency Class	-	-			-		
FCEER / FCCOP	-	0			0		
Product Data							
Product Series	-	Concealed Ceiling Horizontal		Drain Pan	Standard		
Type of Pipe / Coil Rows	-	2 / 3		Plenum	Rear Return		
Casing	-	Galvanized Steel		Filter	Standard		
Coil Tube / Fin Material	-	Copper / Hydrophilic Alu.		Fresh Air	None		
				W (mm)	703	Din (-)	3/4"
				H (mm)	250	Dout (-)	3/4"
				L (mm)	540	Drain (-)	3/4"
				Weight	12.10		

ALARKO CARRIER FANCOIL PROSECTOR SOFTWARE / V 1.0 / 01.09.2021

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