



42CT FANCOIL UNIT

Project:		Country:	
Customer:		City:	
Reference:		Date:	30.12.2021 12:16:30

Model	42CT1231S1SPRR1LN0			Ref No			
Performance Data	Cooling (Season 1)				Heating (Season 2)		
		High	Medium	Low	High	Medium	Low
Total Capacity	kW	11.48	10.32	8.22	13.68	12.52	10.40
Sensible Capacity	kW	8.50	7.56	5.90			
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	13.23	12.72	11.81	42.58	44.05	47.11
Air Outlet Humidity	%	99.90	99.90	99.90	13.61	12.59	10.75
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	m ³ /h	2.00	1.80	1.43	0.60	0.54	0.45
Fluid Mass Flow	kg/s	0.56	0.50	0.40	0.16	0.15	0.12
Fluid Pressure Drop	kPa	51.02	42.72	29.44	14.96	12.83	9.62
Condensated Water	kg/h	5.31	4.89	4.05			
Fan / Efficiency Data							
Air Flow	m ³ /h	1789.77	1537.93	1132.92			
External Static Pressure	Pa	50	50	50			
Total Fan Power Input	Watt	228.53	205.31	184.16			
Total Fan Current	A	0.99	0.89	0.8			
Fan Specific Power	W/l/s	0.46	0.48	0.59			
Sound Power Level (LWA)	dBA	66.60	62.32	56.99			
Sound Pressure Level (LPA)	dBA	56.60	52.32	46.99			
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	-	4 / 3		Plenum	Rear Return		
Casing	-	Galvanized Steel		Filter	Standard		
Coil Tube / Fin Material	-	Copper / Hydrophilic Alu.		Fresh Air	None		
				W (mm)	1733	Din (-)	3/4"
				H (mm)	250	Dout (-)	3/4"
				L (mm)	540	Drain (-)	3/4"
				Weight	32.90		

ALARKO CARRIER FANCOIL PROSECTOR SOFTWARE / V 1.0 / 01.09.2021

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