

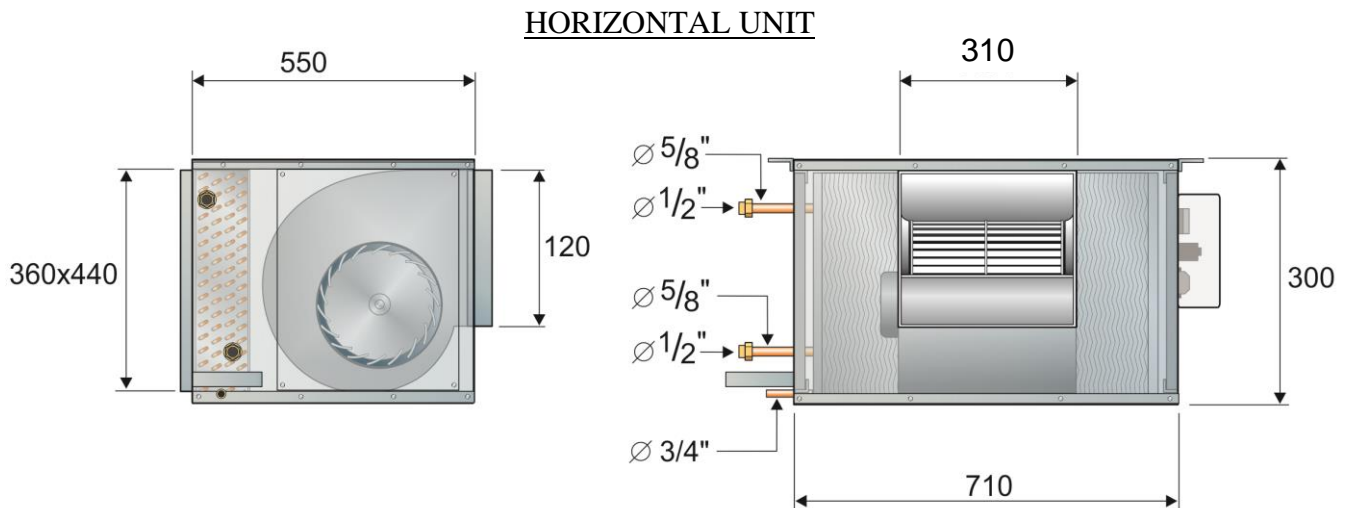
AHU-L 5C SQ

TECHNICAL DATA

Model		TYPE C
Air Flow (at high speed) ¹	cfm	450
	m ³ /h	765
Fan Type And Model		Centrifugal 7"x10"
High Fan Speed	R.P.M	800
Number of Speeds		3
Noise Level – H / M / L ²	dBA	33 / 28 / 21
Power Supply	V/Ph/Hz	230V, 1Ph, 50Hz
Current Consumed	Amp.	0.6
Weight	kg	33
Coil Face Area	m ²	0.15
Fins Spacing	Per Inch	12 for 4-row coil, 10 for 6-row coil

Notes:

1. Air Flow refers to 4 row coil and 6 mm H₂O external pressure drop.
2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.



Performance

Cooling Capacity for 4 Row Coil																	
AIR Entering Temperature		22.8°C DB 16.7°C WB				25°C DB 18.3°C WB				26.7°C DB 19.4°C WB				29.4°C DB 21.7°C WB			
EWT °C	WTR °C	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O
5.5	4.4	3054	10426	0.6	0.8	4012	13697	0.8	1.6	4761	16254	0.9	1.9	6332	21617	1.3	3.7
	5.5	2909	9931	0.4	0.6	3821	13045	0.6	1.0	4534	15479	0.7	1.3	6030	20586	1.0	2.4
	6.7	2764	9436	0.3	0.4	3630	12393	0.4	0.8	4307	14704	0.5	0.9	5729	19559	0.8	1.7
7.2	4.4	2667	9105	0.5	0.7	3552	12127	0.7	1.4	4304	14694	0.8	1.7	5832	19910	1.2	3.3
	5.5	2540	8672	0.4	0.5	3383	11550	0.5	0.9	4100	13997	0.6	1.2	5555	18965	0.9	2.2
	6.7	2413	8238	0.3	0.4	3214	10973	0.4	0.7	3895	13298	0.5	0.9	5277	18016	0.7	1.5
8.9	4.4	2258	7709	0.4	0.3	3136	10706	0.6	1.1	3823	13052	0.7	1.5	5309	18125	1.1	3.0
	5.5	2150	7340	0.3	0.4	2987	10198	0.4	0.7	3640	12427	0.5	0.9	5056	17261	0.8	1.7
	6.7	2043	6975	0.2	0.3	2838	9689	0.4	0.6	3459	11809	0.4	0.7	4804	16401	0.6	1.3

Cooling Capacity for 6 Row Coil																	
AIR Entering Temperature		22.8°C DB 16.7°C WB				25°C DB 18.3°C WB				26.7°C DB 19.4°C WB				29.4°C DB 21.7°C WB			
EWT °C	WTR °C	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O	CAP Watt	CAP Btu/h	WF m³/h	PD m H2O
5.5	4.4	4026	13745	0.8	0.8	5167	17640	1.0	1.3	6001	20487	1.2	2.0	7767	26517	1.5	2.7
	5.5	3834	13089	0.6	0.5	4921	16800	0.7	0.9	5714	19508	0.9	1.3	7397	25253	1.1	2.0
	6.7	3642	12434	0.5	0.4	4675	15960	0.6	0.7	5429	18535	0.7	0.9	7027	23990	0.9	1.6
7.2	4.4	3515	12000	0.7	0.6	4575	15619	0.9	1.2	5425	18521	1.1	1.7	7154	24424	1.4	2.5
	5.5	3348	11430	0.5	0.4	4357	14875	0.7	0.8	5167	17640	0.8	1.1	6813	23260	1.1	1.9
	6.7	3180	10857	0.4	0.3	4139	14131	0.5	0.6	4909	16759	0.7	0.8	6472	22095	0.8	1.5
8.9	4.4	2976	10160	0.6	0.3	4040	13793	0.8	0.9	4818	16449	1.0	1.4	6512	22232	1.2	2.3
	5.5	2834	9675	0.4	0.3	3847	13134	0.6	0.6	4589	15667	0.7	0.9	6202	21174	0.9	1.7
	6.7	2692	9190	0.4	0.3	3654	12475	0.4	0.5	4359	14882	0.6	0.7	5892	20115	0.7	1.4

Heating Capacity													
		4 Row Coil				1 Row Coil				2 Row Coil			
AIR Entering Temperature		21 °C				21 °C				21 °C			
EWT °C	WTD °C	CAP Watt	CAP Btu/h	WF m³/h	PD m H ₂ O	CAP Watt	CAP Btu/h	WF m³/h	PD m H ₂ O	CAP Watt	CAP Btu/h	WF m³/h	PD m H ₂ O
45	5	4455	15200	0.7	1.7								
70	20					3630	12384	0.2	1.1	6197	21145	0.4	1.2

EWT - Entering Water Temp. WTR - Water Temp. Rise WTD - Water Temp. Drop CAP - Cooling/Heating Capacity PD – Water Pressure Drop WF - Water Flow Rate