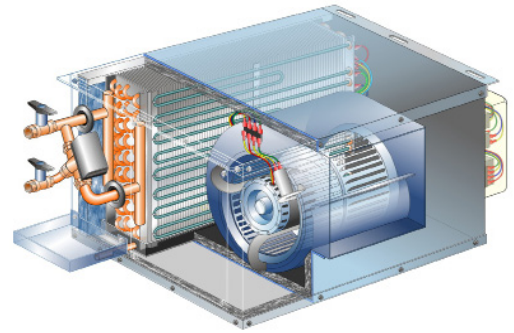


# Model AHU-L 10

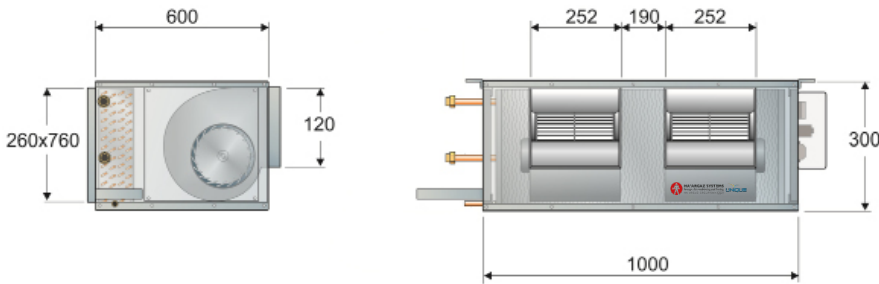
## TECHNICAL DATA

Model		TYPE A	TYPE C
Air Flow (at high speed) <sup>1</sup>	m <sup>3</sup> /h	1700	
	cfm	1000	
Fan Type And Model		2x Centrifugal 7"x7"	Centrifugal 9"x9"
High Fan Speed	R.P.M	1200	900
Number of Speeds		3	3
Noise Level <sup>2</sup>	dB(A)	42	43
Power Supply	V/Ph/Hz	230V, 1Ph, 50Hz	
Current Consumption	Amp	1.2	2.6
Weight - Horizontal/Vertical	kg	37/38	35/36
Coil Face Area	m <sup>2</sup>	0.18	0.20
Fins Spacing	Per Inch	12 for 4-row coil, 10 for 6-row coil	

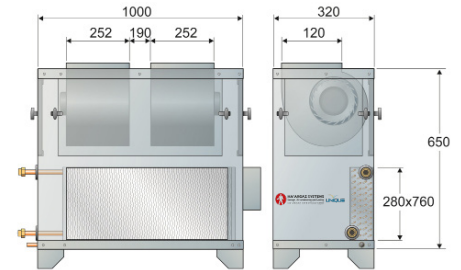


NOTES: 1. Air Flow refers to 4 row coil and 6 mm H<sub>2</sub>O external pressure drop.  
 2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.

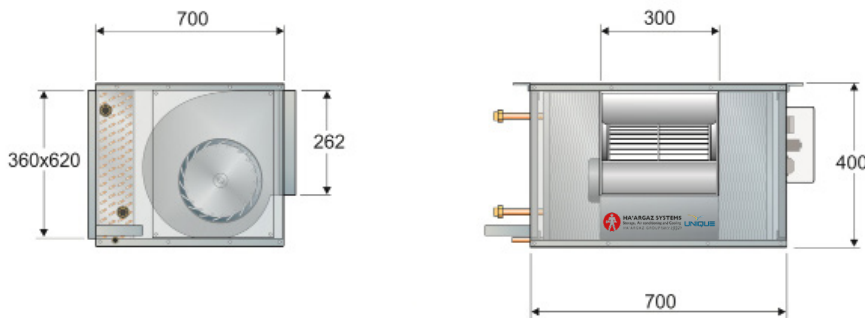
HORIZONTAL TYPE A



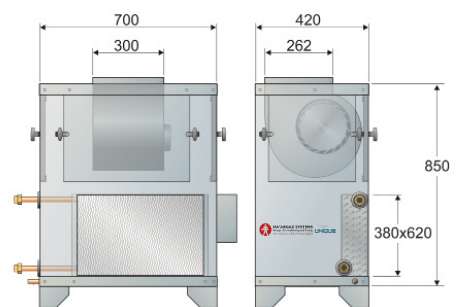
VERTICAL TYPE A



HORIZONTAL TYPE C



VERTICAL TYPE C





## PERFORMANCE

<b>COOLING CAPACITY FOR 4 ROW COIL</b>																	
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 H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*
5.5	4.4	7472	25494	1.4	2.6/2.7	8884	30302	1.7	3.3/3.6	9885	33726	1.9	3.8/4.3	12011	40984	2.3	5.3/5.9
	5.5	7115	24276	1.1	1.7/2.0	8460	28866	1.3	2.2/2.4	9414	32120	1.3	2.6/2.7	11440	39033	1.7	3.5/3.9
	6.7	6760	23065	0.8	1.3/1.4	8038	27425	1.0	1.5/1.7	8927	30457	1.2	1.9/2.0	10868	37082	1.4	2.4/2.7
7.2	4.4	6525	22263	1.2	2.0/2.2	7865	26836	1.5	2.8/3.0	8937	30495	1.7	3.3/3.6	11065	37753	2.2	4.8/5.0
	5.5	6456	22028	1	1.4/1.6	7490	25555	1.2	1.9/2.0	8512	29042	1.3	2.2/2.4	10537	35955	1.7	3.6/3.3
	6.7	5903	20142	0.7	1.1/1.2	7116	24278	0.9	1.4/1.6	8086	27588	1.0	1.6/1.7	10010	34156	1.3	2.2/2.4
8.9	4.4	5524	18849	1.0	1.0/1.1	6945	23695	1.3	2.2/2.4	7936	27079	1.6	2.8/3.0	10072	34369	2.0	3.9/4.3
	5.5	5260	17948	0.8	1.2/1.4	6613	22565	1.0	1.5/1.7	7558	25789	1.2	1.9/2.0	9592	32729	1.5	2.6/3.0
	6.7	4998	17054	0.7	1.0/1.1	6283	21438	0.8	1.2/1.4	7180	24500	0.9	1.4/1.6	9113	31095	1.4	1.9/2.0

<b>COOLING CAPACITY FOR 6 ROW COIL</b>																	
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 H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O (A/C)*
5.5	4.4	9435	32193	1.8	2.9/2.4	11219	38280	2.2	3.7/3.2	12482	42590	2.4	4.1/3.8	15169	51757	2.9	6.1/4.7
	5.5	8986	30661	1.4	1.9/1.3	11545	39287	1.7	2.2/2.0	11888	40562	1.8	2.9/2.5	14447	49293	2.2	3.7/3.4
	6.7	8537	29127	1.1	1.4/1.7	10150	34632	1.3	1.8/1.5	11294	38535	1.4	2.0/1.7	13724	46826	1.7	2.6/2.3
7.2	4.4	8240	28113	1.6	2.2/2.0	9932	33887	1.9	2.9/2.5	11286	38509	2.2	3.7/3.3	13973	47676	2.7	5.1/4.2
	5.5	7847	26773	1.2	1.6/1.4	9460	32276	1.5	2.0/1.7	10749	36678	1.7	2.6/2.1	13307	45404	2.1	3.3/2.9
	6.7	7454	25439	1.0	1.1/1.1	8986	30662	1.2	1.5/1.3	10212	34842	1.3	1.8/1.5	12642	43133	1.7	2.2/2.0
8.9	4.4	6975	23800	1.3	1.0/1.0	8770	29922	1.7	2.6/2.1	10022	34196	1.9	3.3/2.5	12720	43400	2.1	4.6/3.0
	5.5	6643	22667	1.0	1.3/1.1	8354	28495	1.3	1.8/1.5	9545	32567	1.5	2.0/1.8	12114	41332	1.9	2.9/2.5
	6.7	6310	21532	0.8	1.0/1.0	7934	27071	1.0	1.3/1.1	9068	30939	1.2	1.5/1.3	11508	39268	1.5	2.0/1.8

<b>FRESH AIR COOLING CAPACITY - 6 ROW STANDARD COIL</b>																	
AIR Entering Temperature		25°C DB 18.3°C WB															
EWT °C	WTR °C	CAP Watt				CAP Btu/h				WF m³/h				PD m H <sub>2</sub> O			
7.2	9.5	17326				59116				1.8				2.7			

<b>HEATING CAPACITY</b>													
		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 <sub>2</sub> O	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O	CAP Watt	CAP Btu/h	WF m³/h	PD m H <sub>2</sub> O
45	5	8631	29490	1.3	2.3								
70	20					6676	22780	0.5	2.0	12438	42440	0.8	2.2

\*Unit Configuration Type A/C

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

