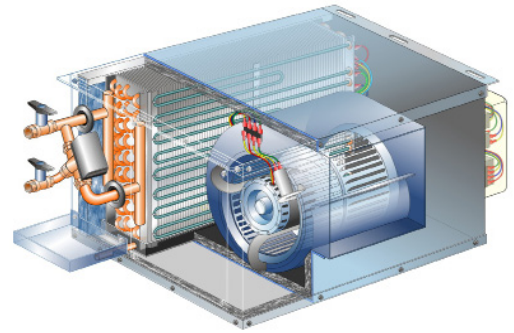


## Model AHU-L 12

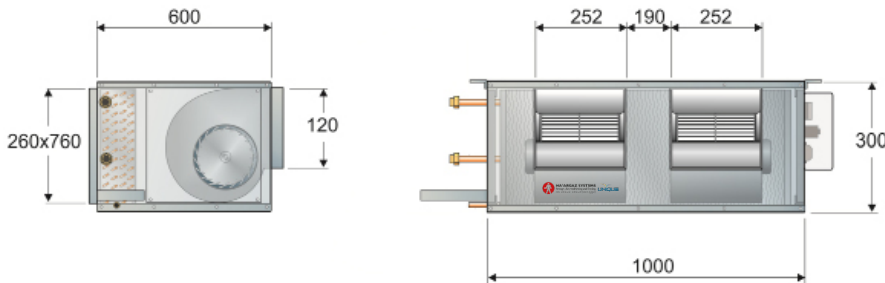
### TECHNICAL DATA

Model		TYPE A	TYPE C
Air Flow (at high speed) <sup>1</sup>	m <sup>3</sup> /h	2040	
	cfm	1200	
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>	dBA	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>	0.21	0.24
Fins Spacing	Per Inch	12 for 4-row coil, 10 for 6-row coil	

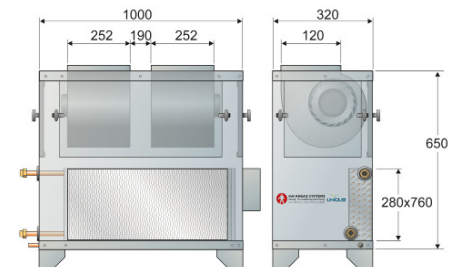


NOTES: 1. Air Flow refers to 4 row coil and 6 mm H<sub>2</sub>O external pressure drop.  
2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.

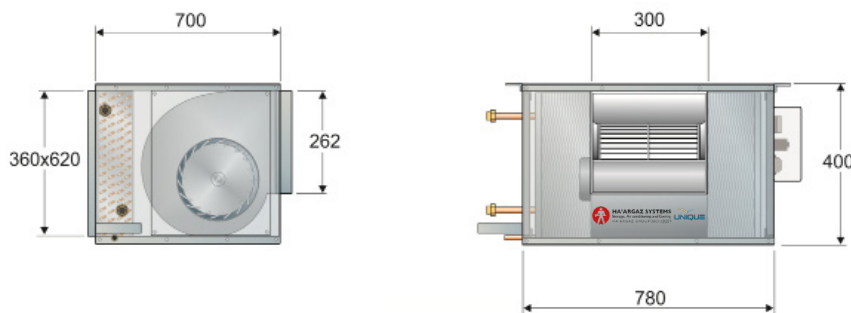
#### HORIZONTAL TYPE A



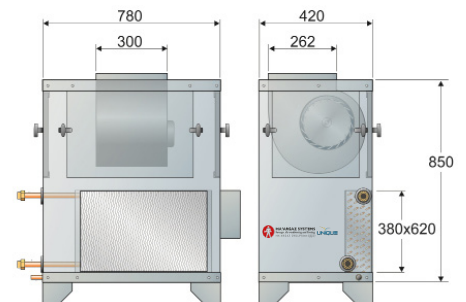
#### VERTICAL TYPE A



#### 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	9002	30733	1.7	2.6/2.7	10703	36540	2.1	3.3/3.6	11909	40657	2.3	3.8/4.3	14472	49407	2.8	5.3/5.9
	5.5	8573	29268	1.3	1.7/2.0	10193	34799	1.6	2.2/2.4	11342	38722	1.6	2.6/2.7	13783	47055	2.1	3.5/3.9
	6.7	8145	27807	1.0	1.3/1.4	9684	33061	1.2	1.5/1.7	10775	36786	1.4	1.9/2.0	13094	44703	1.7	2.4/2.7
7.2	4.4	7861	26837	1.5	2.0/2.2	9476	32351	1.8	2.8/3.0	10768	36762	2.1	3.3/3.6	13331	45512	2.6	4.8/5.0
	5.5	7779	26558	1.2	1.4/1.6	9024	30808	1.4	1.9/2.0	10255	35011	1.6	2.2/2.4	12696	43344	2.0	3.6/3.3
	6.7	7112	24280	0.9	1.1/1.2	8573	29268	1.1	1.4/1.6	9742	33259	1.2	1.6/1.7	12061	41176	1.6	2.2/2.4
8.9	4.4	6655	22720	1.3	1.0/1.1	8367	28565	1.6	2.2/2.4	9562	32645	1.9	2.8/3.0	12135	41429	2.4	3.9/4.3
	5.5	6338	21638	1.0	1.2/1.4	7968	27203	1.2	1.5/1.7	9106	31088	1.4	1.9/2.0	11557	39456	1.8	2.6/3.0
	6.7	6021	20556	0.8	1.0/1.1	7570	25844	1.0	1.2/1.4	8651	29535	1.1	1.4/1.6	10980	37486	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	11368	38810	2.2	2.9/2.4	13517	46147	2.6	3.7/3.2	15039	51343	2.9	4.1/3.8	18276	62394	3.5	6.1/4.7
	5.5	10827	36963	1.7	1.9/1.3	13873	47362	2.0	2.2/2.0	14323	48899	2.2	2.9/2.5	17406	59424	2.7	3.7/3.4
	6.7	10285	35113	1.3	1.4/1.7	12229	41750	1.6	1.8/1.5	13607	46454	1.7	2.0/1.7	16535	56450	2.1	2.6/2.3
7.2	4.4	9927	33891	1.9	2.2/2.0	11966	40852	2.3	2.9/2.5	13598	46424	2.6	3.7/3.3	16835	57475	3.3	5.1/4.2
	5.5	9454	32276	1.5	1.6/1.4	11397	38909	1.8	2.0/1.7	12951	44215	2.0	2.6/2.1	16033	54737	2.5	3.3/2.9
	6.7	8981	30661	1.2	1.1/1.1	10827	36963	1.4	1.5/1.3	12303	42002	1.6	1.8/1.5	15231	51999	2.0	2.2/2.0
8.9	4.4	8404	28691	1.6	1.0/1.0	10566	36072	2.0	2.6/2.1	12075	41224	2.3	3.3/2.5	15325	52320	3.0	4.6/3.0
	5.5	8004	27326	1.2	1.3/1.1	10062	34352	1.6	1.8/1.5	11500	39261	1.8	2.0/1.8	14595	49827	2.3	2.9/2.5
	6.7	7603	25957	1.0	1.0/1.0	9559	32634	1.2	1.3/1.1	10925	37298	1.4	1.5/1.3	13866	47339	1.8	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	19969				68133				1.8				2.1			

<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	10844	37000	1.6	2.2								
70	20					7919	27020	0.5	2.1	14732	50264	1.0	3.0

\*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

