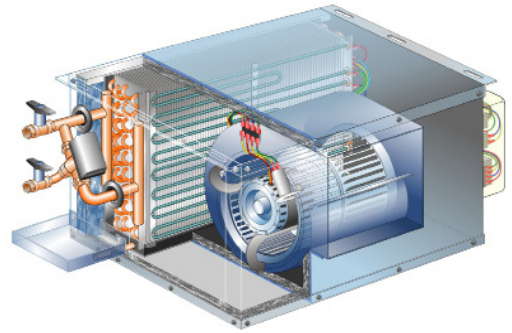


Model AHU-L 50

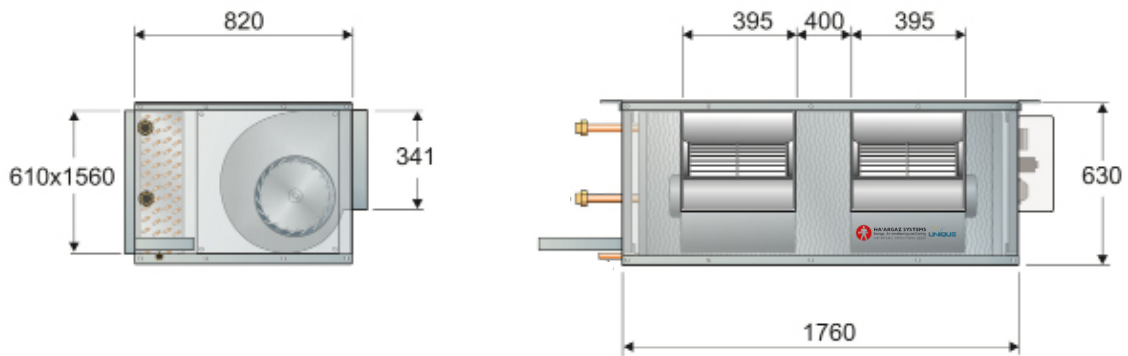
TECHNICAL DATA

Model		TYPE A
Air Flow (at high speed) <sup>1</sup>	m <sup>3</sup> /h	8500
	cfm	5000
Fan Type And Model		2x Centrifugal 12"x12"
High Fan Speed	R.P.M	900
Number of Speeds		3
Noise Level <sup>2</sup>	dBA	54
Power Supply	V/Ph/Hz	230V, 1Ph, 50Hz
Current Consumption	Amp	9.2
Weight - Horizontal/Vertical	kg	170/183
Coil Face Area	m <sup>2</sup>	0.95
Fins Spacing	Per Inch	12 for 4-row coil, 10 for 6-row coil

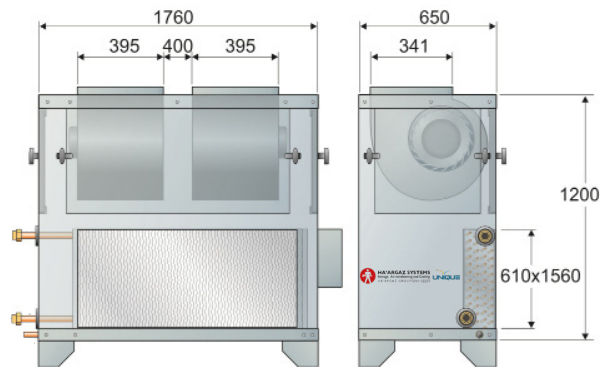


NOTES: 1. Air Flow refers to 4 row coil and 6 mm H<sub>2</sub>O external pressure drop.  
 2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.

HORIZONTAL UNIT



VERTICAL UNIT





## 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	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
5.5	4.4	38976	132987	7.5	2.6	46342	158121	9.0	3.4	51564	175937	10.0	3.9	62660	213797	12.1	4.9
	5.5	37120	126654	5.8	1.9	44136	150591	6.8	2.3	49109	167559	7.6	2.6	59676	203616	9.2	3.5
	6.7	35264	120321	4.6	1.5	41929	143061	5.4	1.7	46653	159181	6.0	2.0	56693	193435	7.3	1.7
7.2	4.4	34034	116125	6.6	2.2	41028	139986	7.9	2.9	46622	159075	9.0	3.3	57718	196935	11.2	4.7
	5.5	32414	110595	5.0	1.5	39074	133320	6.1	2.0	44402	151500	6.9	2.6	54970	187557	8.5	3.2
	6.7	30793	105065	4.0	1.2	37120	126654	4.8	1.5	42182	143925	5.4	1.7	52221	178179	6.7	2.3
8.9	4.4	28813	98308	5.6	1.0	36225	123601	7.0	2.4	41401	141259	8.0	2.9	52543	179278	10.2	4.1
	5.5	27441	93627	4.3	1.3	34500	117716	5.3	1.7	39429	134532	6.1	2.0	50041	170741	7.8	2.7
	6.7	26068	88946	3.4	1.0	32775	111830	4.2	1.3	37458	127805	4.8	1.5	47539	162203	6.1	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	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
5.5	4.4	49293	168186	9.5	2.1	58609	199973	11.3	2.7	65213	222505	12.6	3.0	79246	270386	15.3	4.1
	5.5	46945	160178	7.3	1.5	55818	190450	8.6	1.9	62107	211910	9.6	2.2	75472	257510	11.7	2.8
	6.7	44598	152169	5.8	1.1	53027	180928	6.8	1.5	59002	201314	7.6	1.6	71698	244635	9.3	2.0
7.2	4.4	43043	146861	8.3	1.8	51887	177038	10.0	2.3	58962	201180	11.4	2.7	72996	249061	14.1	3.7
	5.5	40993	139868	6.3	1.4	49416	168608	7.7	1.6	56155	191600	8.7	1.9	69520	237201	10.8	2.5
	6.7	38943	132875	5.0	1.0	46945	160178	6.1	1.2	53347	182020	6.9	1.5	66044	225341	8.5	1.8
8.9	4.4	36439	124329	7.1	0.9	45814	156317	8.9	2.0	52359	178648	10.1	2.3	66451	226730	12.9	3.2
	5.5	34704	118409	5.4	1.1	43632	148873	6.8	1.4	49865	170141	7.7	1.7	63286	215933	9.8	2.2
	6.7	32968	112488	4.3	0.9	41451	141430	5.4	1.1	47372	161634	6.1	1.3	60122	205137	7.8	1.7

<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	10.4	87577				298825				7.3				4.3			

<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	44314	151200	6.9	2.5								
70	20					32608	111260	2.0	1.0	57943	197700	3.9	0.9

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

