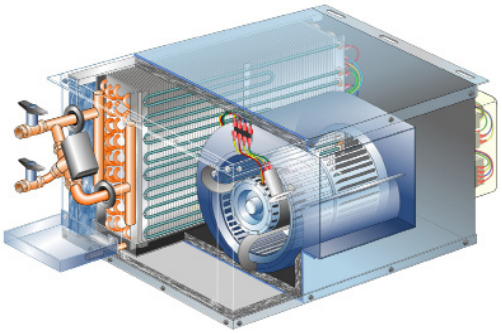
Model AHU-L 35

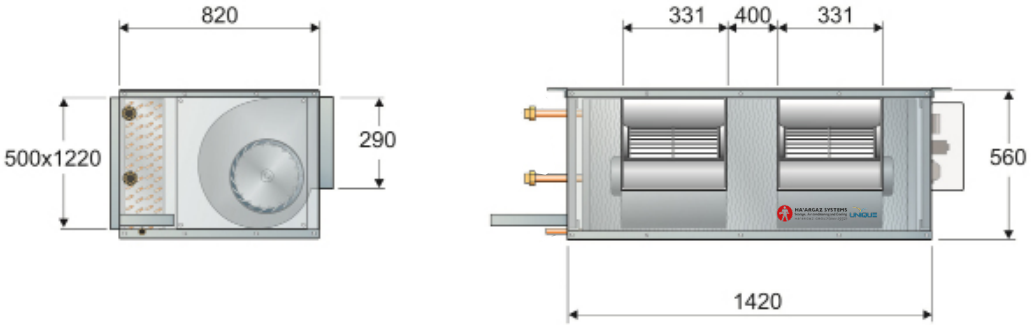
TECHNICAL DATA

Model		TYPE A
Air Flow (at high speed) [1]	m^3/h	5950
	cfm	3500
Fan Type And Model		2x Centrifugal 10"x10"
High Fan Speed	R.P.M	900
Number of Speeds		3
Noise Level [2]	dBA	53
Power Supply	V/Ph/Hz	230V, 1Ph, 50Hz
Current Consumption	Amp	7.2
Weight - Horizontal/Vertical	kg	123/127
Coil Face Area	m^2	0.65
Fins Spacing	Per Inch	12 for 4-row coil, 10 for 6-row coil

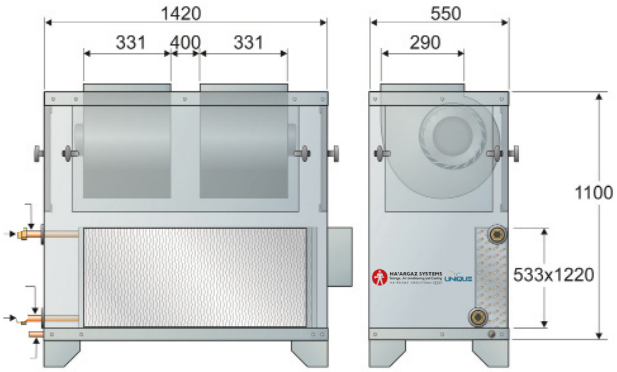


NOTES:
1. Air Flow refers to 4 row coil and 6 mm H_2O external pressure drop.
2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.

HORIZONTAL UNIT



VERTICAL UNIT



PERFORMANCE

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 m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O
5.5	4.4	26241	89536	5.1	2.2	31201	106457	6.0	2.8	34716	118453	6.7	3.2	42187	143942	8.2	4.2
	5.5	24992	85272	4.0	1.6	29715	101388	4.7	2.0	33063	112812	5.3	2.1	40178	137088	6.4	2.9
	6.7	23742	81008	3.1	1.2	28229	96319	3.6	1.4	31410	107171	4.1	1.7	38169	130234	4.9	2.1
7.2	4.4	22914	78183	4.4	1.8	27623	94248	5.3	2.3	31389	107100	6.1	2.8	38860	132590	7.5	3.7
	5.5	21823	74460	3.5	1.4	26307	89760	4.2	1.7	29894	102000	4.6	2.0	37009	126276	5.9	2.5
	6.7	20732	70737	2.7	1.0	24992	85272	3.2	1.3	28400	96900	3.7	1.4	35159	119962	4.5	1.9
8.9	4.4	19399	66188	3.8	0.9	24389	83217	4.7	2.0	27874	95105	5.0	2.3	35376	120702	6.8	3.3
	5.5	18475	63036	2.9	1.1	23228	79254	3.7	1.4	26546	90576	4.2	1.7	33691	114954	5.4	2.3
	6.7	17551	59884	2.3	0.9	22067	75291	2.8	1.1	25219	86047	3.0	1.3	32007	109206	4.1	1.7

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 m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O
5.5	4.4	31773	108408	6.2	1.7	37778	128897	7.3	2.1	42034	143421	8.1	2.3	51079	174283	9.9	3.2
	5.5	30260	103246	4.7	1.3	35979	122759	5.6	1.4	40033	136591	6.2	1.7	48647	165984	7.5	2.2
	6.7	28747	98084	3.7	1.0	34180	116621	4.4	1.1	38031	129761	4.9	1.3	46215	157685	6.0	1.7
7.2	4.4	27744	94663	5.4	1.4	33445	114114	6.5	1.8	38006	129675	7.4	2.1	47051	160538	9.1	2.8
	5.5	26423	90155	4.1	1.1	31852	108680	4.9	1.3	36196	123500	5.6	1.5	44810	152893	6.9	0.9
	6.7	25102	85647	3.2	0.9	30260	103246	3.9	1.0	34386	117325	4.4	1.1	42570	145248	5.5	1.4
8.9	4.4	23487	80139	4.5	0.8	29530	100757	5.7	1.6	33749	115151	6.5	1.8	42832	146144	8.3	2.5
	5.5	22369	76323	3.5	0.9	28124	95960	4.4	1.1	32142	109668	5.0	1.4	40793	139185	6.3	1.7
	6.7	21251	72507	2.7	0.8	26718	91162	3.4	0.9	30535	104185	3.9	1.0	38753	132225	5.0	1.4

FRESH AIR COOLING CAPACITY - 6 ROW STANDARD COIL

AIR Entering Temperature		25°C DB 18.3°C WB			
EWT °C	WTR °C	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O
7.2	8.1	61657	210375	6.6	3.6

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 m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O	CAP Watt	CAP Btu/h	WF m^3/h	PD m H_2O
45	5	30322	103460	4.6	1.9								
70	20					23549	80350	1.6	2.5	39490	134740	2.7	2.4

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