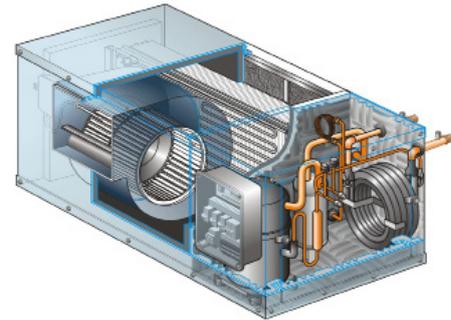


Model WS-36

TECHNICAL DATA

Cooling Capacity ¹	Btu/h	35900	
	Watt	10516	
Heating Capacity ²	Btu/h	42300	
	Watt	12390	
Power Consumption - Cooling / Heating	Watt	2937/3343	
C.O.P - Cooling / Heating		3.4/3.61	
Operating Current - Cooling / Heating ³	1 Phase	Amp	13.5/13.9
	3 Phase		5.7/6.0
Power Supply	1 Phase	V/Ph/Hz	230V, 1Ph, 50Hz
	3 Phase		400V, 3Ph, 50Hz
Time Delay Fuse	1 Phase	Amp	1x20-C
	3 Phase		3x10-C



GENERAL

Air flow (at high speed)	cfm (m ³ /h)	1200 (2040)	
High Fan Speed (No. Speeds)	R.P.M	900 (3)	
Noise Level ⁴	dBA	50	
Net Static Pressure ⁵	mm H ₂ O	5	
Coil	Face Area	ft ² /m ²	2.5/0.23
	Rows Deep		4
	Fins Spacing	Per Inch	14

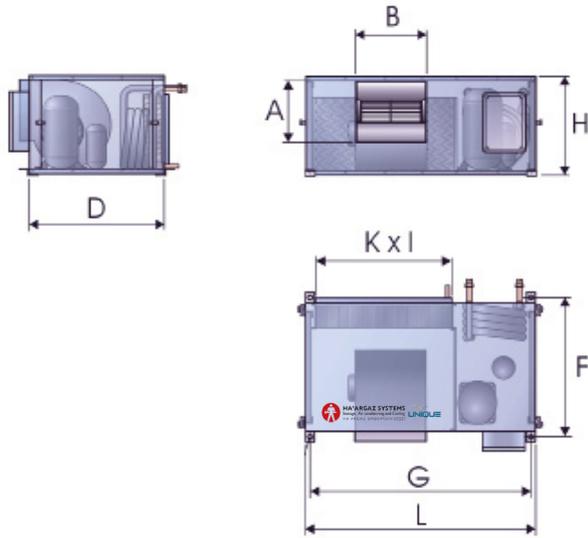
DIMENSIONS

Model		Horizontal	Vertical
LxDxH	mm	1040x600x520	680x600x980
A, B, G, F	mm	265, 305, 995, 656	265, 305, - , -
Return Air Duct - K,I	mm	520, 438	
Condensate Lines - Drain	Φ-mm (in)	19 (3/4")	
Water Inlet/Outlet	Φ in	BSP 1"	
Net Weight	kg	108	115

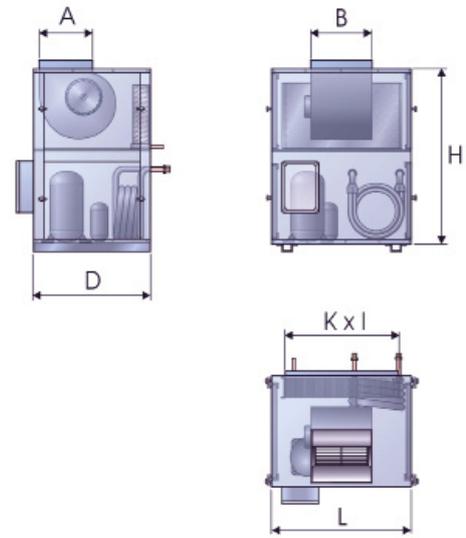
- NOTES:
1. Nominal cooling capacity based on indoor air temp. 27°C DB/19°C WB and entering water temp. 29°C.
 2. Nominal heating capacity based on indoor air temp. 21°C DB and entering water temp. 20°C.
 3. Operating current at heat pump mode, excluding electric heating elements.
 4. Noise level refers to a ducted unit at a distance of 1.5m from the unit.
 5. Net static pressure available at fan discharge at nominal capacity.



HORIZONTAL UNIT



VERTICAL UNIT



PERFORMANCE

COOLING PERFORMANCE								
Entering Water Temp.		Water Flow Rate		Water Pressure Drop	Colling Capacity ¹		Power Consumption	COP
°C	°F	m ³ /h	gpm	m H ₂ O	Watt	Btu/h	Watt	
29	85	1.5	6.7	2.8	10358	35362	2899	3.57
		1.9	8.3	3.0	10516	35900	2934	3.58
		2.3	10.0	3.3	10673	36439	2966	3.60
32	90	1.5	6.7	2.8	9840	33593	3061	3.21
		1.9	8.3	3.0	9990	34105	3105	3.22
		2.3	10.0	3.3	10140	34617	3132	3.24
35	95	1.5	6.7	2.8	9591	32745	3221	2.98
		1.9	8.3	3.0	9737	33243	3257	2.99
		2.3	10.0	3.3	9883	33742	3293	3.00

HEATING PERFORMANCE								
Entering Water Temp.		Water Flow Rate		Water Pressure Drop	Heating Capacity ¹		Power Consumption	COP
°C	°F	m ³ /h	gpm	m H ₂ O	Watt	Btu/h	Watt	
12	54	1.5	6.7	2.8	10685	36480	3005	3.56
		1.9	8.3	3.0	10903	37224	3033	3.59
16	61	1.5	6.7	2.8	11414	38967	3156	3.62
		1.9	8.3	3.0	11647	39762	3188	3.65
20	68	1.5	6.7	2.8	12142	41454	3312	3.67
		1.9	8.3	3.0	12390	42300	3343	3.71
24	75	1.5	6.7	2.8	12749	43527	3435	3.71
		1.9	8.3	3.0	13010	44415	3467	3.75

NOTES: 1. Air inlet Temperature - Cooling 27°C DB/19°C WB, Heating 21°C DB.

