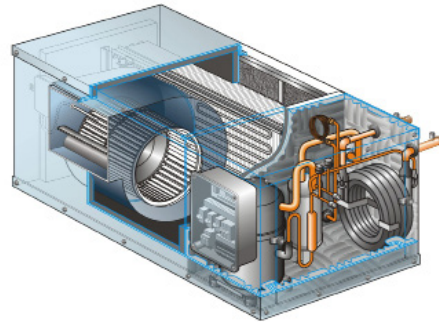


Model WS-200

TECHNICAL DATA

Cooling Capacity ¹	Btu/h	202400
	Watt	59320
Heating Capacity ²	Btu/h	238800
	Watt	69948
Power Consumption - Cooling / Heating	Watt	16320/18606
C.O.P - Cooling / Heating		3.63/3.76
Operating Current - Cooling / Heating ³	Amp	31/31
Power Supply	V/Ph/Hz	400V, 3Ph, 50Hz
Time Delay Fuse	Amp	3x40-C



GENERAL

Air flow (at high speed)	cfm (m ³ /h)	6400 (10880)	
High Fan Speed (No. Speeds)	R.P.M	900 (3)	
Noise Level ⁴	dBA	61	
Net Static Pressure ⁵	mm H ₂ O	6	
Coil	Face Area	ft ² /m ²	12.8/7.53
	Rows Deep		4
	Fins Spacing	Per Inch	12

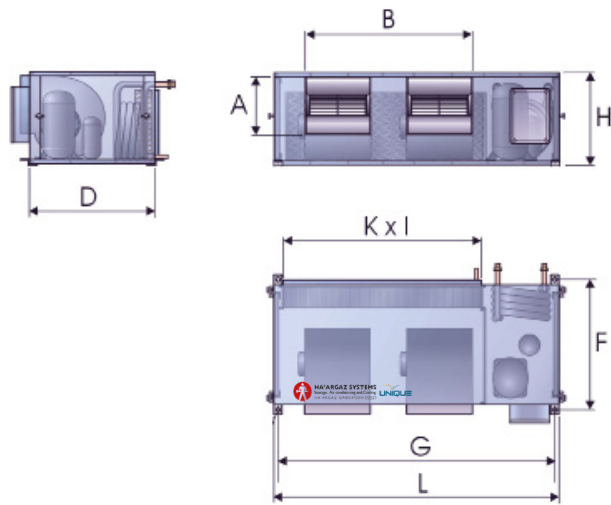
DIMENSIONS

Model		Horizontal	Vertical
LxDxH	mm	2150x1150x900	1650x900x1580
A, B, G, F	mm	345, 1120, 2105, 1206	345, 1190, -, -
Return Air Duct - K, I	mm	1300, 876	
Condensate Lines - Drain	Φ-mm (in)	25.4 (1")	
Water Inlet/Outlet	Φ in	BSP 1-1/2"	
Net Weight	kg	410	440

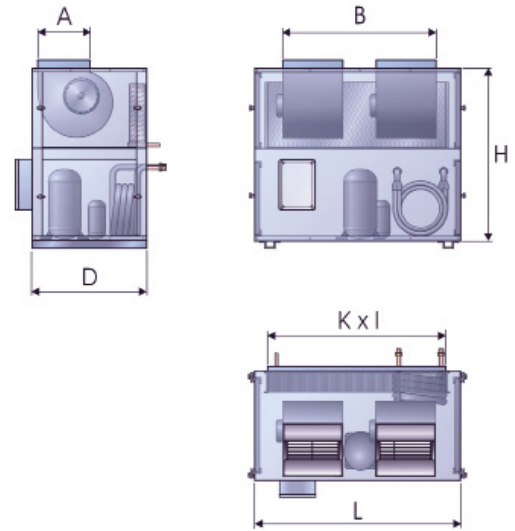
- NOTES:
1. Nominal cooling capacity based on indoor air temp. 27°C DB/19°C WB and entering water temp. 29°C.
 2. Nominal heating capacity based on indoor air temp. 21°C DB and entering water temp. 20°C.
 3. Operating current at heat pump mode, excluding electric heating elements.
 4. Noise level refers 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	8.6	37.6	2.4	58430	199364	16120	3.62
		10.8	47.0	2.6	59320	202400	16320	3.63
		12.8	56.6	3.2	60210	205436	16504	3.65
32	90	8.6	37.6	2.4	55509	189396	17024	3.26
		10.8	47.0	2.6	56354	192280	17234	3.27
		12.8	56.6	3.2	57199	195164	17424	3.28
35	95	8.6	37.6	2.4	54107	184612	11942	4.53
		10.8	47.0	2.6	54930	187422	18146	3.03
		12.8	56.6	3.2	55754	190234	18350	3.04

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	8.6	37.6	2.4	60322	205942	16700	3.61
		10.8	47.0	2.6	61554	210144	16858	3.65
16	61	8.6	37.6	2.4	64436	219982	17548	3.67
		10.8	47.0	2.6	65750	224472	17732	3.71
20	68	8.6	37.6	2.4	68548	234024	18432	3.72
		10.8	47.0	2.6	69948	238800	18606	3.76
24	75	8.6	37.6	2.4	71976	245726	19124	3.76
		10.8	47.0	2.6	73444	250740	19306	3.80

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

