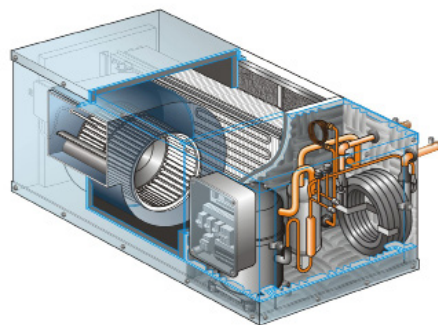


Model WS-75

TECHNICAL DATA

Cooling Capacity ¹	Btu/h	74200
	Watt	21734
Heating Capacity ²	Btu/h	86700
	Watt	25395
Power Consumption - Cooling / Heating	Watt	6022/6630
C.O.P - Cooling / Heating		3.61/3.83
Operating Current - Cooling / Heating ³	Amp	10.2/10.4
Power Supply	V/Ph/Hz	400V, 3Ph, 50Hz
Time Delay Fuse	Amp	3x20-C



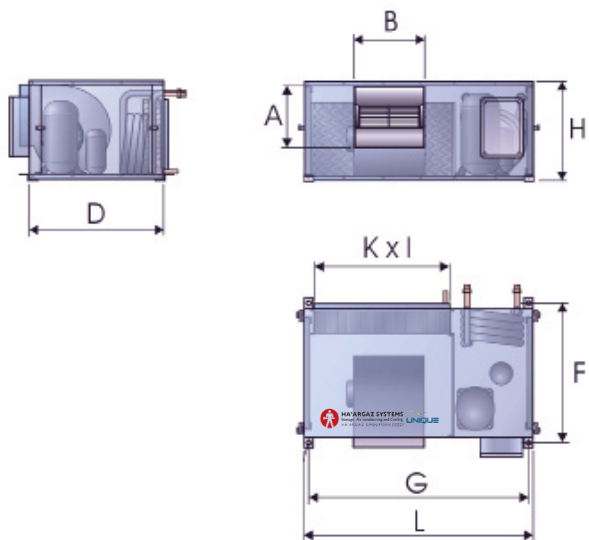
GENERAL			
Air flow (at high speed)		cfm (m ³ /h)	2400 (4080)
High Fan Speed (No. Speeds)		R.P.M	900 (3)
Noise Level ⁴		dBA	53
Net Static Pressure ⁵		mm H ₂ O	5
Coil	Face Area	ft ² /m ²	4.7/0.44
	Rows Deep		4
	Fins Spacing	Per Inch	12

DIMENSIONS			
Model		Horizontal	Vertical
LxDxH	mm	1510x750x600	1070x750x1130
A, B, G, F	mm	345, 400, 1465, 806	345, 400, - , -
Return Air Duct - K, I	mm	880, 495	
Condensate Lines - Drain	Φ-mm (in)	22.2 (7/8")	
Water Inlet/Outlet	Φ in	BSP 1-1/4"	
Net Weight	kg	165	177

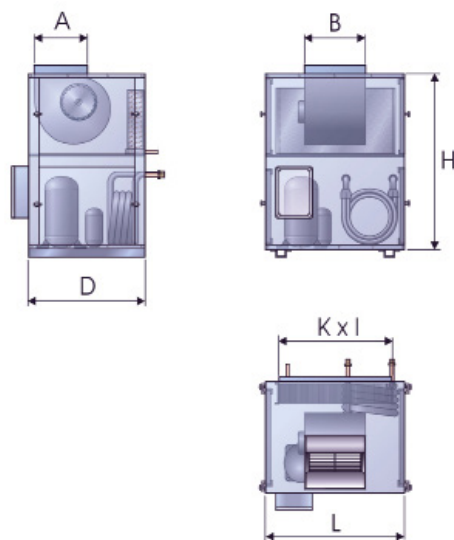
- NOTES:
1. Nominal cooling capacity based on indoor air temp. 27°C DB/19°C WB and entering water temp. 29°C.
 2. Nominal heating capacity based on indoor air temp. 21°C DB and entering water temp. 20°C.
 3. Operating current at heat pump mode, excluding electric heating elements.
 4. Noise level refers 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	3.1	13.8	3.0	21408	73087	5951	3.60
		3.9	17.3	3.6	21734	74200	6022	3.61
		4.7	20.7	4.5	22060	75313	6087	3.62
32	90	3.1	13.8	3.0	20338	69433	6274	3.24
		3.9	17.3	3.6	20647	70490	6349	3.25
		4.7	20.7	4.5	20957	71547	6418	3.27
35	95	3.1	13.8	3.0	19824	67679	6604	3.00
		3.9	17.3	3.6	20126	68709	6677	3.01
		4.7	20.7	4.5	20428	69740	6751	3.03

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	3.1	13.8	3.0	21901	74770	5969	3.67
		3.9	17.3	3.6	22348	76296	6024	3.71
16	61	3.1	13.8	3.0	23394	79868	6264	3.73
		3.9	17.3	3.6	23872	81498	6326	3.77
20	68	3.1	13.8	3.0	24888	84966	6569	3.79
		3.9	17.3	3.6	25395	86700	6630	3.83
24	75	3.1	13.8	3.0	26132	89214	6809	3.84
		3.9	17.3	3.6	26665	91035	6873	3.88

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

