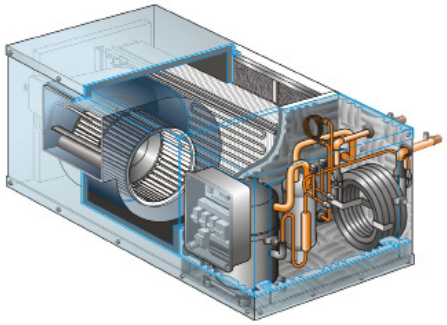
Model WS-120

TECHNICAL DATA

Cooling Capacity [1]	Btu/h	118600
	Watt	34739
Heating Capacity [2]	Btu/h	139000
	Watt	40715
Power Consumption - Cooling / Heating	Watt	9598/10666
C.O.P - Cooling / Heating		3.62/3.82
Operating Current - Cooling / Heating [3]	Amp	22/22
Power Supply	V/Ph/Hz	400V, 3Ph, 50Hz
Time Delay Fuse	Amp	3x32-C

R410A



GENERAL			
Air flow (at high speed)		cfm (m^3/h)	4000 (6800)
High Fan Speed (No. Speeds)		R.P.M	900 (3)
Noise Level [4]		dBA	58
Net Static Pressure [5]		mm H_2O	5
Coil	Face Area	ft^2/m^2	8.04/0.75
	Rows Deep		4
	Fins Spacing	Per Inch	12

DIMENSIONS			
Model		**Horizontal**	**Vertical**
LxDxH	mm	2050x1000x680	1600x700x1190
A, B, G, F	mm	295, 970 ,2005, 1056	295, 970, - , -
Return Air Duct - K,I	mm	1400, 533	
Condensate Lines - Drain	Φ-mm (in)	25.4 (1")	
Water Inlet/Outlet	Φ in	BSP 1-1/2"	
Net Weight	kg	255	275

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.

HA'ARGAZ SYSTEMS Storage, Air conditioning and Cooling HA'ARGAZ GROUP (since 1932) UNIQUE

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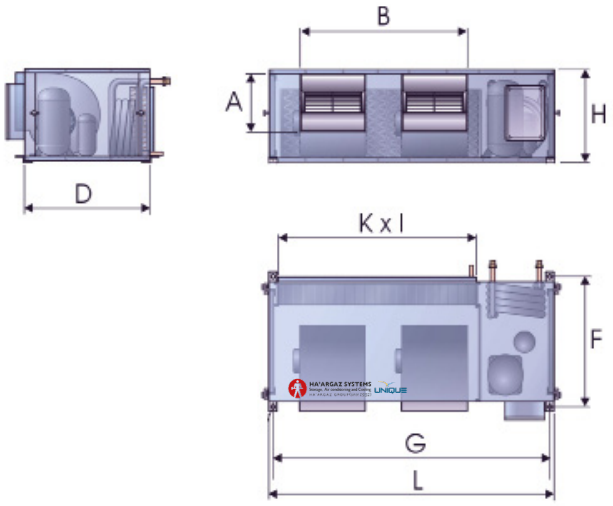
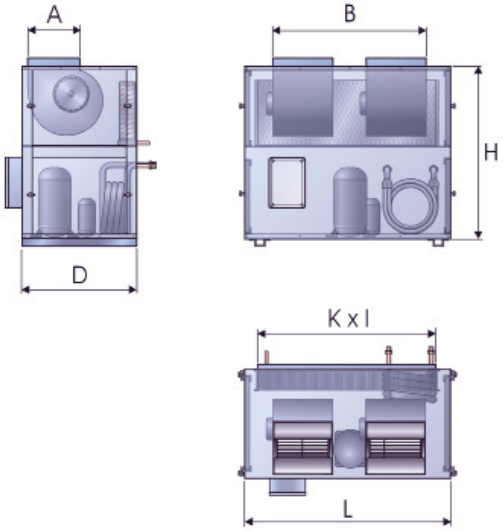
HORIZONTAL UNIT



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_2O	Watt	Btu/h	Watt	
29	85	5.0	22.1	2.4	34218	116821	9483	3.61
		6.3	27.6	3.1	34739	118600	9598	3.62
		7.5	33.1	3.5	35260	120379	9704	3.63
32	90	5.0	22.1	2.4	32507	110980	10017	3.25
		6.3	27.6	3.1	33002	112670	10130	3.26
		7.5	33.1	3.5	33497	114360	10242	3.27
35	95	5.0	22.1	2.4	31686	108176	10542	3.01
		6.3	27.6	3.1	32169	109824	10661	3.02
		7.5	33.1	3.5	32651	111471	10781	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 H2O	Watt	Btu/h	Watt	
12	54	5.0	22.1	2.4	35112	119874	9584	3.66
		6.3	27.6	3.1	35829	122320	9673	3.70
16	61	5.0	22.1	2.4	37506	128047	10066	3.73
		6.3	27.6	3.1	38272	130660	10170	3.76
20	68	5.0	22.1	2.4	39900	136220	10567	3.78
		6.3	27.6	3.1	40715	139000	10666	3.82
24	75	5.0	22.1	2.4	41895	143031	10960	3.82
		6.3	27.6	3.1	42750	145950	11063	3.86

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

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