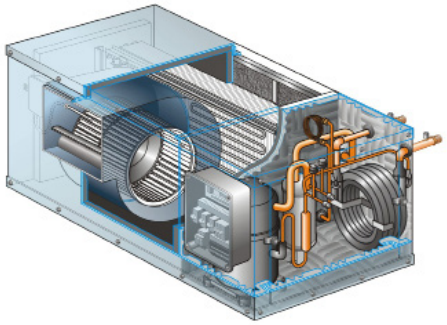
Model WS-48

TECHNICAL DATA

Cooling Capacity [1]	Btu/h	46700
	Watt	13679
Heating Capacity [2]	Btu/h	54072
	Watt	15847
Power Consumption - Cooling / Heating	Watt	3857/4163
C.O.P - Cooling / Heating		3.55/3.81
Operating Current - Cooling / Heating [3]	Amp	7.1/7.2
Power Supply	V/Ph/Hz	400V, 3Ph, 50Hz
Time Delay Fuse	Amp	3x16-C

R410A



GENERAL			
Air flow (at high speed)		cfm (m^3/h)	1600 (2720)
High Fan Speed (No. Speeds)		R.P.M	900 (3)
Noise Level [4]		dBA	51
Net Static Pressure [5]		mm H_2O	5
Coil	Face Area	ft^2/m^2	3.7/0.34
	Rows Deep		4
	Fins Spacing	Per Inch	15

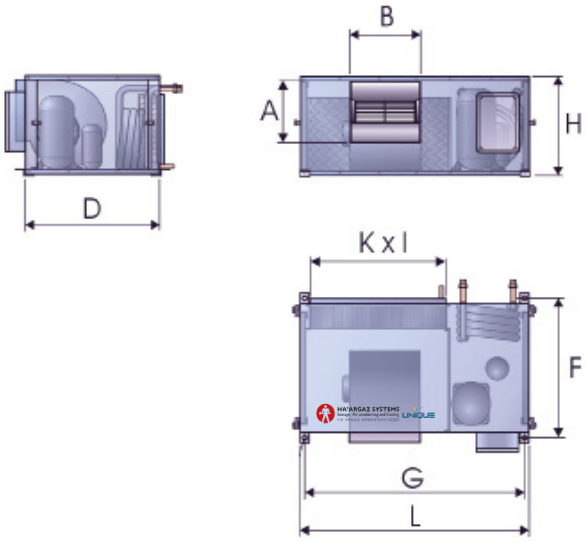
DIMENSIONS			
Model		**Horizontal**	**Vertical**
LxDxH	mm	1290x600x520	880x600x1020
A, B, G, F	mm	265, 340, 1245, 656	265, 305, - , -
Return Air Duct - K,I	mm	720,476	
Condensate Lines - Drain	Φ-mm (in)	19 (3/4")	
Water Inlet/Outlet	Φ in	BSP 1''	
Net Weight	kg	125	133

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.

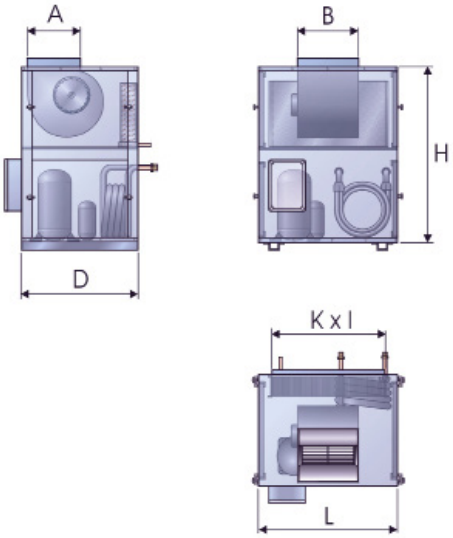
HA'ARGAZ SYSTEMS Storage, Air conditioning and Cooling HA'ARGAZ GROUP (since 1932) UNIQUE

Product specifications are subject to change without notice.
Appearance of products may differ slightly from catalog images.

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	2.0	8.7	2.3	13474	46000	3812	3.53
		2.5	10.9	2.5	13679	46700	3857	3.55
		3.0	13.1	3.0	13884	47401	3899	3.56
32	90	2.0	8.7	2.3	12800	43700	4018	3.19
		2.5	10.9	2.5	12995	44365	4066	3.20
		3.0	13.1	3.0	13190	45030	4110	3.21
35	95	2.0	8.7	2.3	12477	42596	4228	2.95
		2.5	10.9	2.5	13667	43244	4274	3.20
		3.0	13.1	3.0	12857	43893	4321	2.98

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	2.0	8.7	2.3	13666	46657	3750	3.64
		2.5	10.9	2.5	13945	47609	3784	3.68
16	61	2.0	8.7	2.3	14598	49838	3937	3.71
		2.5	10.9	2.5	14896	50856	3974	3.75
20	68	2.0	8.7	2.3	15530	53020	4124	3.77
		2.5	10.9	2.5	15847	24100	4163	3.81
24	75	2.0	8.7	2.3	16307	55671	4274	3.82
		2.5	10.9	2.5	16639	56807	4315	3.86

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

Product specifications are subject to change without notice.
Appearance of products may differ slightly from catalog images.