

UNIVERSAL[®]

CHILLING SYSTEMS

AIR COOLED GLYCOL CHILLER

Low Temperature Series

LTS-6HP

PHYSICAL DATA

Cooling Capacity	kcal/h		6000
	BTU/h		24000
	Nominal Tonnage.	RT	2
	Outlet Water Temp.	°F	5
	Condensation Temp.	°F	122
Power Supply			3PH-460V-60HZ
Max Amp		A	16
Total Power Input		HP	8
Power Supply Cable Diameter		mm ²	AWG 9
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R404A
	Charge	Lbs	6.6
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		1
	HP		6
	RLA (Rated Load Amp)		11
	LRA(Locked Rotor Amp)		70
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	0.33x2
	Current	A	0.38x2
	LRA	A	2x2
	Volume Air Flow	CFM	3529
Condenser	Type		fin-tubed
	Subcooling	°F	9
	Heat Rejection	BTU/h	60688
Evaporator	Type		Plate
	Superheat	°F	9
	Heat Rejection	BTU/h	24,003
	Cooled Water Flow	GPM	13
	Water Pressure Drop	PSI	7

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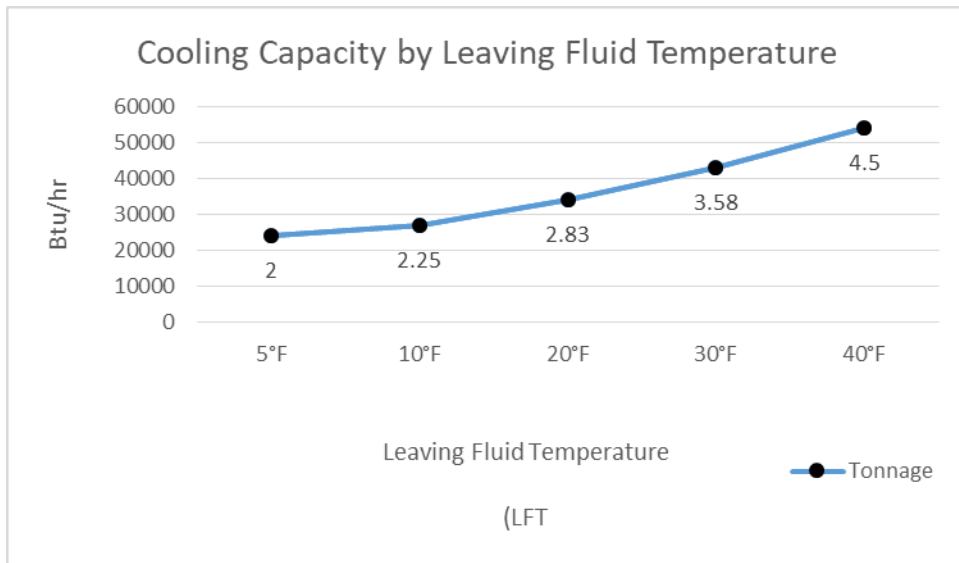
Energy Adjust Mode		100%-0%	
Throttling Device	Mode	thermal expansion valve	
Pipe	Water Outlet	MNPT 1"	
	Water Inlet	MNPT 1"	
Water Pump	Flow	GPM	13
	Head	PSI	72.5
	LRA	A	10.38
	Power	HP	1.5
Water Tank	Capacity	GAL	18
Sound Pressure at 1 meter	DBA		75
Programming Controller	Display		LCD display
	Controller		microcomputer controller
	Temp Control Range °F		-4°F ~95°F
	Temp Control Accuracy °F		±3.6°F
Dimensions	inches (LxWxH) (For Reference)		49x26x62
Weight	lbs (For Reference)		552

NOTES:

- 1 Cooling tons based on -20°C (-4°F) leaving coolant and 35°C (95°F) ambient air.
Chilled water work allowed temperature range: -20°C~35°C (-4°F ~95°F).
- 2 Chilled water in and out temperature difference: 3°C~8°C (5.4°F~14.4°F);
Allowed ambient temperature range: -20°C~40°C (-4°F~104°F).
- 3 Power supply: 3PH-460V-60HZ, Allowing the voltage fluctuate ±10%,
allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.

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Cooling Capacity by Leaving Fluid Temperature

Model	LFT	Btu/H	kW	Tonnage
LTS-6HP	5°F	24000	7	2
	10°F	27000	7.8	2.25
	20°F	34000	10	2.83
	30°F	43000	12.6	3.58
	40°F	54000	15.8	4.5

NOTE: All capacities at 95 °F ambient.

Schematic Diagram – *For Reference only*

