

UNIVERSAL®

CHILLING SYSTEMS

AIR COOLED GLYCOL CHILLER

Low Temperature Series

LTS-15HP

PHYSICAL DATA

Cooling Capacity	kcal/h		15100
	BTU/h		60000
	Nominal Tonnage.	RT	5
	Outlet Water Temp.	°F	5
	Condensation Temp.	°F	122
Power Supply			3PH-460V-60HZ
Max Amp		A	38
Total Power Input		HP	21
Power Supply Cable Diameter		mm ²	AWG 7
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R404A
	Charge	Lbs	16.5
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		2
	HP		7.5x2
	RLA (Rated Load Amp)		13x2
	LRA(Locked Rotor Amp)		95x2
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	1.33x2
	Current	A	1.57x2
	LRA	A	9x2
	Volume Air Flow	CFM	8824
Condenser	Type		fin-tubed
	Subcooling	°F	9
	Heat Rejection	BTU/h	104166
Evaporator	Type		Plate
	Superheat	°F	9
	Heat Rejection	BTU/h	60,008
	Cooled Water Flow	GPM	33

UNIVERSAL[®]

CHILLING SYSTEMS

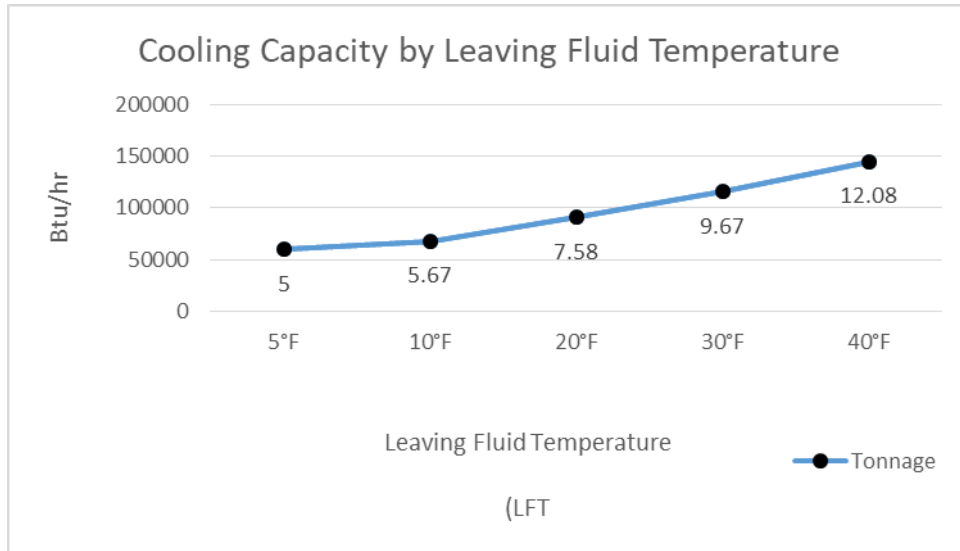
	Water Pressure Drop	PSI	7
Energy Adjust Mode			100%-50%-0%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 2"
	Water Inlet		MNPT 2"
Water Pump	Flow	GPM	33
	Head	PSI	72.5
	LRA	A	20.7
	Power	HP	2.9
Water Tank	Capacity	GAL	32
Sound Pressure at 1 meter	DBA		75
Programming Controller	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)		75x36x72
Weight	lbs (For Reference)		1,147

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.

UNIVERSAL[®]

CHILLING SYSTEMS



Cooling Capacity by Leaving Fluid Temperature

Model	LFT	Btu/H	kW	Tonnage
LTS-15HP	5°F	60000	17.5	5
	10°F	68000	20	5.67
	20°F	91000	26.6	7.58
	30°F	116000	33.9	9.67
	40°F	145000	42.4	12.08

NOTE: All capacities at 95 °F ambient.

UNIVERSAL[®]

CHILLING SYSTEMS

Schematic Diagram - For Reference only

