

UNIVERSAL[®]

CHILLING SYSTEMS

UCS-40V-B AIR COOLED

PHYSICAL DATA

Cooling Capacity	kcal/h		120900
	BTU/h		480000
	Nominal Capacity	RT	40
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-480V-60HZ
Max Amp		A	101
Total Power Input		HP	73
Power Supply Cable Diameter		mm ²	AWG 3
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R454B
	Charge	Lbs	9.9 (each)
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		4
	HP		15x4
	RLA (Rated Load Amp)		21.4x4
	LRA(Locked Rotor Amp)		147x4
Fan	Qty		4
	Type		External Rotar Axial Fan
	Power	HP	1.5x4
	Current	A	1.7x4
	LRA	A	10x4
	Volume Air Flow	CFM	29412
Condenser	Type		MCHE
	Subcooling	°F	9
	Heat Rejection	BTU/h	632537
Evaporator	Type		SS304 Shell and Tubes
	Superheat	°F	9
	Heat Rejection	BTU/h	480,068
	Cooled Water Flow	GPM	110.0
	Water Pressure Drop	PSI	≤12
Energy Adjust Mode			100%-75%-50%-25%-0%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 3"
	Water Inlet		MNPT 3"

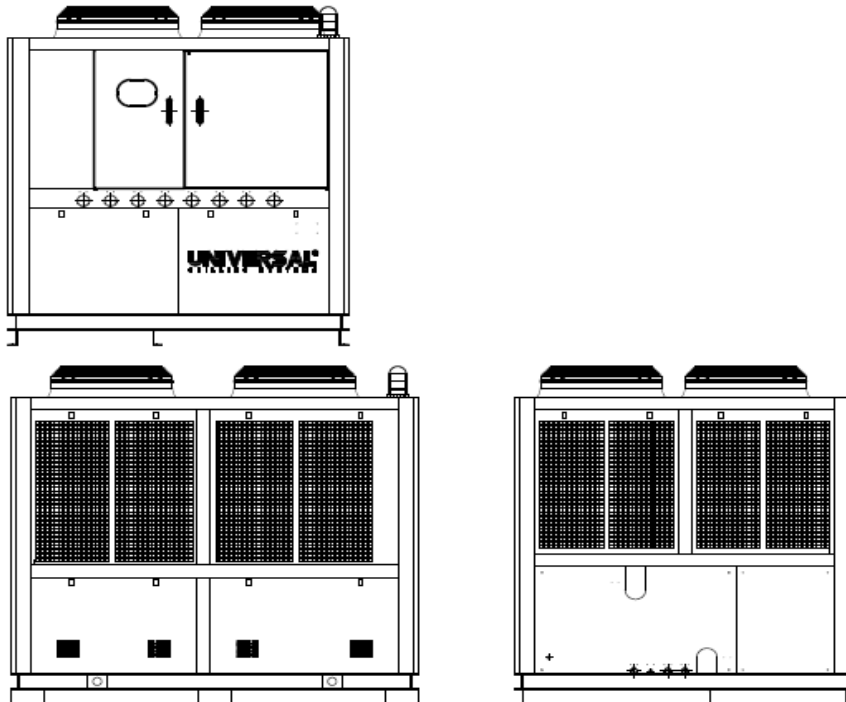
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Water Pump	Flow	GPM	110.0
	Head	PSI	70.0
	LRA	A	51.6
	Power	HP	7.30
Water Tank	Capacity	GAL	106
Sound Pressure at 1 meter	DBA		75
Programming Controller	Display		LCD display
	Controller		microcomputer controller
	Temp Control Range °F		+41 ~+95
	Temp Control Accuracy °F		±3.6
Dimensions	inches (LxWxH)		94x78x87
Weight	lbs		3033(For Reference)

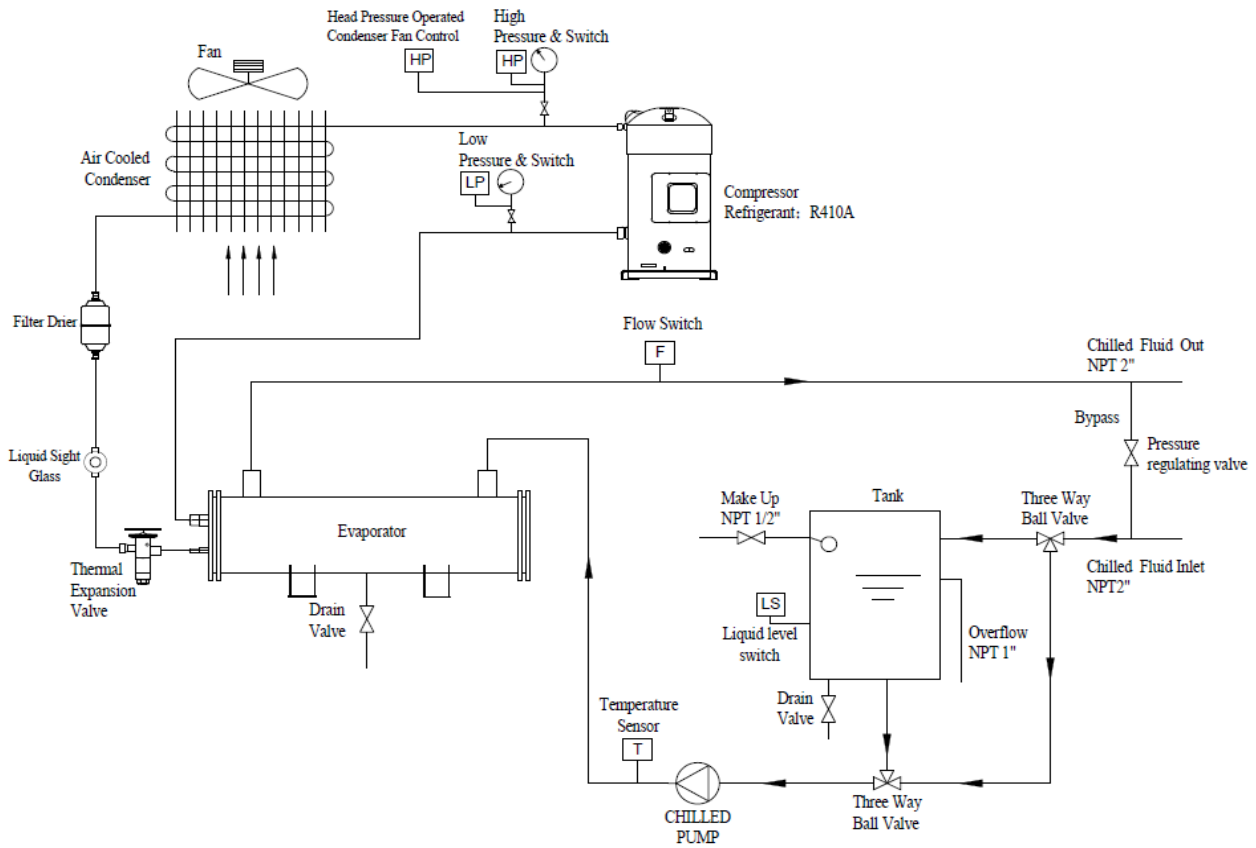
NOTES:

- 1 Cooling capacity based on 5°C(41°F) leaving coolant and 35°C(95°F) ambient air.
Chilled water work allowed temperature range: 5°C~35°C (41°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).
Power supply: 3PH-480V-60HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.
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