

UNIVERSAL

CHILLING SYSTEMS

UCS-20V AIR COOLED PHYSICAL DATA

Cooling Capacity	kcal/h		63100
	BTU/h		250,400
	Nominal Tonnage	RT	20
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-460V-60HZ
Max Amp		A	48.0
Total Power Input		HP	37.0
Power Supply Cable Diameter		mm ²	3x10+2x4
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	50
Compressor	Start Mode		Direct start
	Type		Copeland Fully-Hermetic Scroll Type
	Qty		2
	HP		15x2
	RLA (Running Load Amp)		16.7x2
	LRA(Locked Rotor Amp)		125x2
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	1.4x2
	Current	A	2x2
	LRA	A	12x2
	Heat Rejection	BTU	/
	Volume Air Flow	CFM	14100
Condenser	Type		Finned Tubes
	Subcooling	°F	9
	Heat Rejection	BTU	322,000
Evaporator	Type		Dry Shell and Tube Type
	Subcooling	°F	9
	Heat Rejection	BTU	250,400
	Cooled Water Flow	GPM	55.5
	Water Pressure Drop	PSI	≤12
Energy Adjust Mode			100%-50%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 2"
	Water Inlet		MNPT 2"

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Water Pump	Flow	GPM	55.5
	Head	PSI	66
	Power	HP	5.5
	LRA	A	48.6
Water Tank	Capacity	GAL	61
Sound Pressure	DBA		74
Programming Controller	Display		Touch Screen Digital temperature display microcomputer controller
	Output		-
	Output Choice		Relay
	Temp Control Range °F		+41 ~+95
	Temp Control Accuracy °F		±3.6
Dimensions	inches (LxWxH)		91×44×85(For Reference)
Weight	lbs		2090(For Reference)

NOTES:

- 1 Cooling tons based on 10°C (50°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(37.4°F~46.4°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.