

# UNIVERSAL<sup>®</sup>

## CHILLING SYSTEMS

### UCS-20V-SS AIR COOLED

#### PHYSICAL DATA

Cooling Capacity	kcal/h		63100
	BTU/h		250400
	Nominal Capacity	RT	20
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-460V-60HZ
Max Amp		A	45
Total Power Input		HP	36
Power Supply Cable Diameter		mm <sup>2</sup>	AWG 7
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	20.0
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		2
	HP		15x2
	RLA (Rated Load Amp)		16.7x2
	LRA(Locked Rotor Amp)		125x2
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	1.13x2
	Current	A	1.3x2
	LRA	A	8x2
	Volume Air Flow	CFM	14100
Condenser	Type		MCHE
	Subcooling	°F	9
	Heat Rejection	BTU/h	322000
Evaporator	Type		SS304 Shell and Cu Tubes
	Superheat	°F	9
	Heat Rejection	BTU/h	250,400
	Cooled Water Flow	GPM	55.5
	Water Pressure Drop	PSI	≤12
Energy Adjust Mode			100%-50%-0%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 2"
	Water Inlet		MNPT 2"

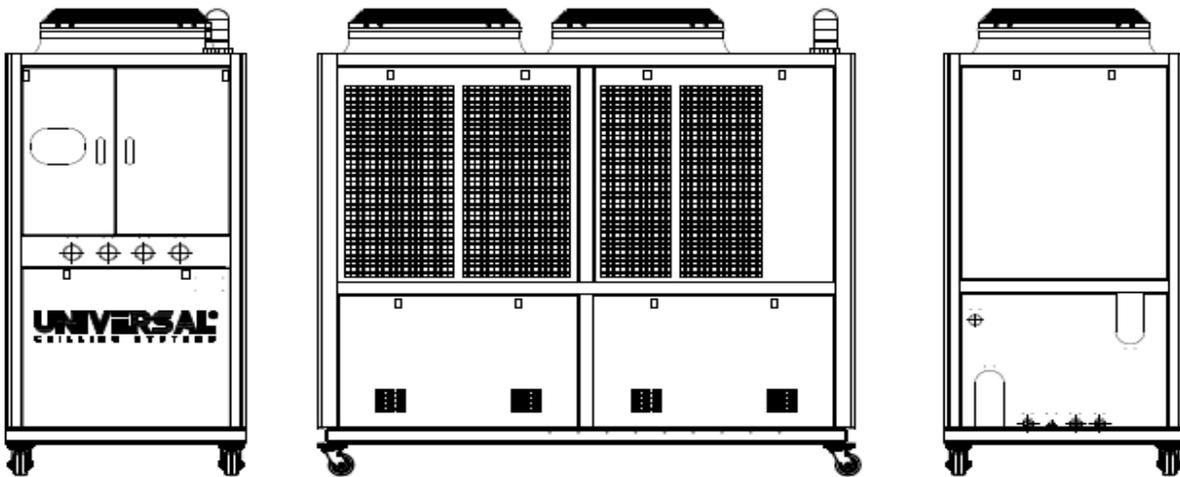
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Water Pump	Flow	GPM	55.5
	Head	PSI	68.0
	LRA	A	36.5
	Power	HP	4.00
Water Tank	Capacity	GAL	61
Sound Pressure at 1 meter	DBA		74
Programming Controller	Display		LCD display
	Controller		microcomputer controller
	Temp Control Range °F		+41 ~+95
	Temp Control Accuracy °F		±3.6
Dimensions	inches (LxWxH)		88x39x87
Weight	lbs		1147(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-460V-60HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.
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