

UNIVERSAL

CHILLING SYSTEMS

UCS-05AR3 AIR COOLED PHYSICAL DATA

Cooling Capacity	kcal/h		15750
	BTU/h		62,600
	Nominal Tonnage	RT	5
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-460V-60HZ
Max Amp		A	12.0
Total Power Input		HP	9
Power Supply Cable Diameter		mm ²	3x4+2x4
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
Compressor	Start Mode		Direct start
	Type		Fully-Hermetic Scroll Type
	Qty		1
	HP		7.5
	RLA (Running Load Amp)		8
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	0.3x2
	Current	A	0.4x2
	Heat Rejection	BTU	/
	Volume Air Flow	CFM	3500
Condenser	Type		Finned Tubes
	Subcooling.	°F	9
	Heat Rejection	BTU	74500
Evaporator	Type		Dry Shell and Tube Type
	Subcooling.	°F	9
	Heat Rejection	BTU	62,600
	Cooled Water Flow	GPM	13.9
	Water Pressure Drop	PSI	≤12
Energy Adjust Mode			100%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 1"
	Water Inlet		MNPT 1"
Water Pump	Flow	GPM	13.9
	Head	PSI	40.6
	Power	HP	1.0
Water Tank	Capacity	GAL	21
Sound Pressure	DBA		68

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Programming Controller	Display	Touch Screen Digital temperature display microcomputer controller
	Output	GW53
	Output Choice	Relay
	Temp Control Range °F	+41° ~+95°
	Temp Control Accuracy °F	±3.6
Dimensions	inches (LxWxH)	52x28x60
Weight	lbs	800(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). 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).
- 2
- 3 Power supply:3PH-460V-60Hz, Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.