

UNIVERSAL[®]

CHILLING SYSTEMS

UCS-2AR3-SS AIR COOLED

PHYSICAL DATA

Cooling Capacity	kcal/h		7568
	BTU/h		30,012
	Nominal Capacity	RT	2.5
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-220V-60HZ
Max Amp		A	13
Total Power Input		HP	5
Power Supply Cable Diameter		mm ²	AWG12
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	1.5
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		1
	HP		3.6
	RLA (Rated Load Amp)		8
	LRA(Locked Rotor Amp)		73
Fan	Qty		1
	Type		External Rotar Axial Fan
	Power	HP	0.4
	Current	A	0.8
	LRA	A	1.0
	Volume Air Flow	CFM	1765
Condenser	Type		MCHE
	Subcooling	°F	9
	Heat Rejection	BTU/h	40454
Evaporator	Type		SS304 Shell and Tubes
	Superheat	°F	9
	Heat Rejection	BTU/h	30,012
	Cooled Water Flow	GPM	6.6
	Water Pressure Drop	PSI	≤7.25
Energy Adjust Mode			100%-0%
Throttling Device	Mode		thermal expansion valve
Pipe	Water Outlet		MNPT 1"
	Water Inlet		MNPT 1"

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Water Pump	Flow	GPM	6.6
	Head	PSI	14.5
	LRA	A	14
	Power	HP	1.00
Water Tank	Capacity	GAL	18
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)		40*34*44
Weight	lbs		420

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).
- 3 Power supply: 3PH-220V-60HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.

