

UNIVERSAL

CHILLING SYSTEMS

UCS-10W WATER COOLED CHILLER PHYSICAL DATA

Cooling Capacity	kcal/h		30200
	BTU/h		120100
	Nominal Tonnage.	RT	10
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	104
Power Supply			3PH-460V-60HZ
Max Amp		A	26
Total Power Input		HP	12
Power Supply Cable Diameter			AWG 11
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	15.0
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		1
	HP		10
	RLA (Rated Load Amp)		22.0
	LRA(Locked Rotor Amp)		125
Condenser	Type		tube and shell
	Subcooling	°F	9
	Heat Rejection	BTU/h	156633
	Cooling Water Flow	GPM	33
	Water Pressure Drop	PSI	7
Evaporator	Type		tube and shell
	Superheat	°F	9
	Heat Rejection	BTU/h	120,119
	Chilled Water Flow	GPM	27
	Water Pressure Drop	PSI	5
Energy Adjust Mode			100%-0%
Throttling Device	Mode		thermal expansion valve
Pipe	Chilled Water Inlet/Outlet		MNPT 2"
	Cooling Water Inlet/Outlet		MNPT 2"
Water Pump	Flow	GPM	27
	Head	PSI	55.1
	LRA	A	14.4
	Power	HP	2.0
Water Tank	Capacity	GAL	32
Sound Pressure	DBA		65

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Programming Controller	Display	LCD display
	Controller	microcomputer controller
	Temp Control Range °F	41°F ~95°F
	Temp Control Accuracy°F	±3.6°F
Dimensions	inches (LxWxH) (For Reference)	51x25x57
Weight	lbs (For Reference)	706

NOTES:

- 1 Cooling tons based on 10°C(50°F) chilled water outlet and 30°C(86°F) cooling water inlet.
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-460V-60HZ , Allowing the voltage fluctuate ±10%,
allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.