



NSC0500-ULT

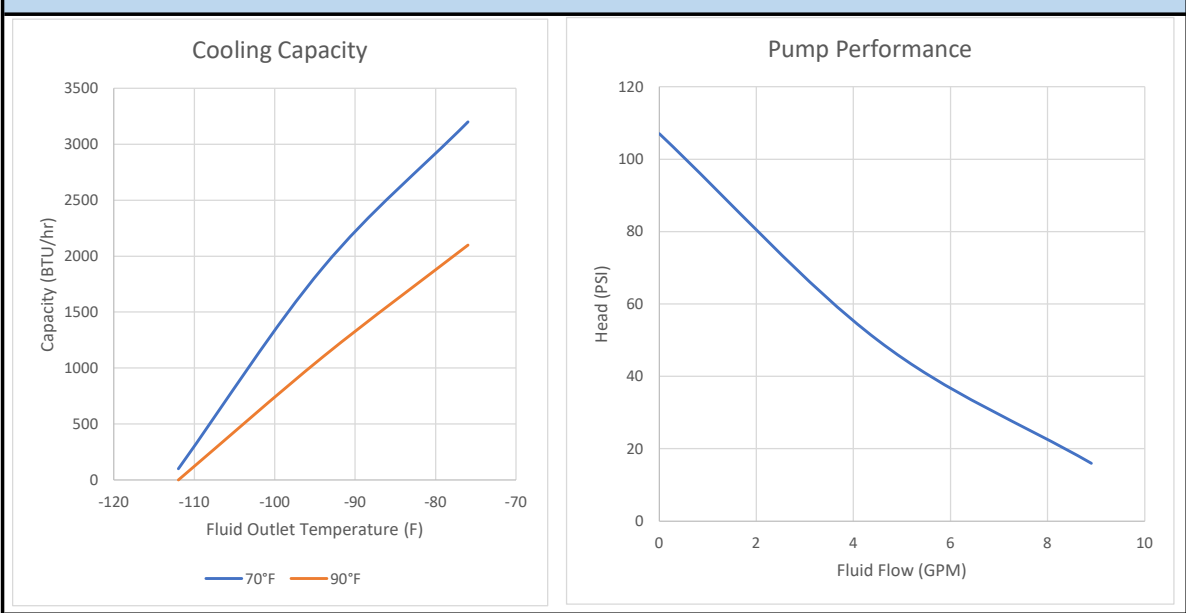
1/2 Ton Air Cooled Ultra Low Temp Chiller

Dimensional Drawings

SEE ENGINEERING

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
36"	34"	66"	1100 lbs	5 Gallon Stainless Steel	1/2" NPT

Chiller Performance



AG-Optimists, LLC
 2400 E 6895 S, Suite 16
 Cottonwood Heights, UT 84121
 (541) 610-6858
www.ag-chill.com

All Information Is For Reference Only





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Standard Features and Benefits			
Performance	Working Temperature Range	-112°F(-80°C) to 70°F(21°C)	
	Temperature Stability	±2	
	Cooling Capacity @ 70°F	-112°F (-80°C) - 100 BTU/hr (30 Watts) -94°F (-70°C) - 1,900 BTU/hr (560 Watts) -76°F (-60°C) - 3,200 BTU/hr (940 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 107 PSI 4.5 GPM @ 50 PSI 8.9 GPM @ 16 PSI	
User Interface	Controls	Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Touch Screen Controls	
Refrigeration Circuit	Compressor	Copeland Scroll	
	Heat Exchanger	Braze Plate Heat Exchanger	
	Refrigerant	R404a/R508b	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expansion Valve (TXV), Oil Separator	
	Max Heat Rejection	19,500 btu/hr (5.7 kW)	
Process Fluid Circuit	Pump	Continuous Duty, 0.75kW Vortex Pump	
	Inlet/Outlet	1/2" NPT	
	Reservoir	5 Gallon Stainless Steel	
	Additional Features	Inline Strainer, Inlet and Outlet Temperature Sensors, Pump Discharge Pressure Transducer	
Construction	Frame	Galvanized Steel	
	Enclosure	Powder Coated Steel Enclosure with Easy Access Panels	
Quality	Warranty	1 Year Standard Warranty	
	UL/CSA Certified (Full Assembly)	ETL 3170655, UL STD 61010-2-011, CAN/CSA STD, C22.2 No. 61010-2-011	
	Manufacturing	Manufactured in the U.S.A. Certified ISO 9001:2015 Company	
Power	Available Voltages	Max Amps (FLA)	Recommended Breaker/Service (MCA)
	208-240VAC / 3P / 60Hz (STANDARD) 208-240VAC / 1P / 60Hz 480VAC / 3P / 60Hz	16 Amps (std)	20 Amps (std)

Optional Upgrades			
UPGRADES	Process Heating	External Temperature Monitoring Alternate Pumps	Controller Crating
More Options and Customization Available - Contact Factory for More Information			

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