



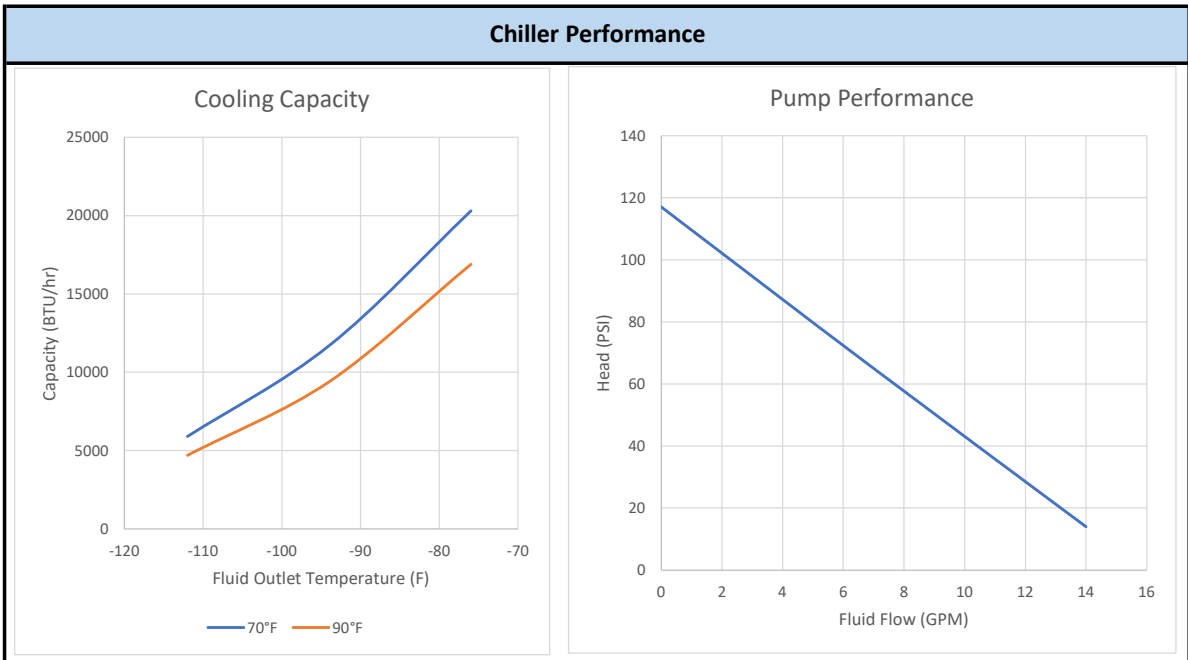
NSC2000-ULT

2 Ton Air Cooled Ultra Low Temp Chiller

Dimensional Drawings

Labels in drawings: POWER IN, FILL PORT, MAIN DISCONNECT, TOUCHSCREEN CONTROL, FLUID LEVEL GAUGE, INDUSTRIAL CASTERS, AIR IN, FLUID IN, FLUID OUT.

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
70 3/8"	35 7/8"	75 3/8"	1350 lbs	10 Gallon Stainless Steel	3/4" NPT



AG-Optimists, LLC
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All Information Is For Reference Only





NSC2000-ULT

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) - 5,900 BTU/hr (1,730 Watts) -94°F (-70°C) - 11,700 BTU/hr (3,430 Watts) -76°F (-60°C) - 20,300 BTU/hr (5,950 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 117 PSI 7 GPM @ 65 PSI 14 GPM @ 14 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), Fan Cycling, Oil Separator	
	Max Heat Rejection	38,550 btu/hr (11.3 kW)	
Process Fluid Circuit	Pump	Continuous Duty, 2.2kW Vortex Pump	
	Inlet/Outlet	3/4" NPT	
	Reservoir	10 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)
	480VAC / 3P / 60Hz (STANDARD) 208-240VAC / 3P / 60Hz	20 Amps (std) 55 Amps	30 Amps (std) 65 Amps

Optional Upgrades			
UPGRADES	Process Heating UL/CSA Outdoor Certified Extended Ambient (-15°F)	External Temperature Monitoring Alternate Pumps	Controller Auto Start Remote Start Crating
More Options and Customization Available - Contact Factory for More Information			

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