



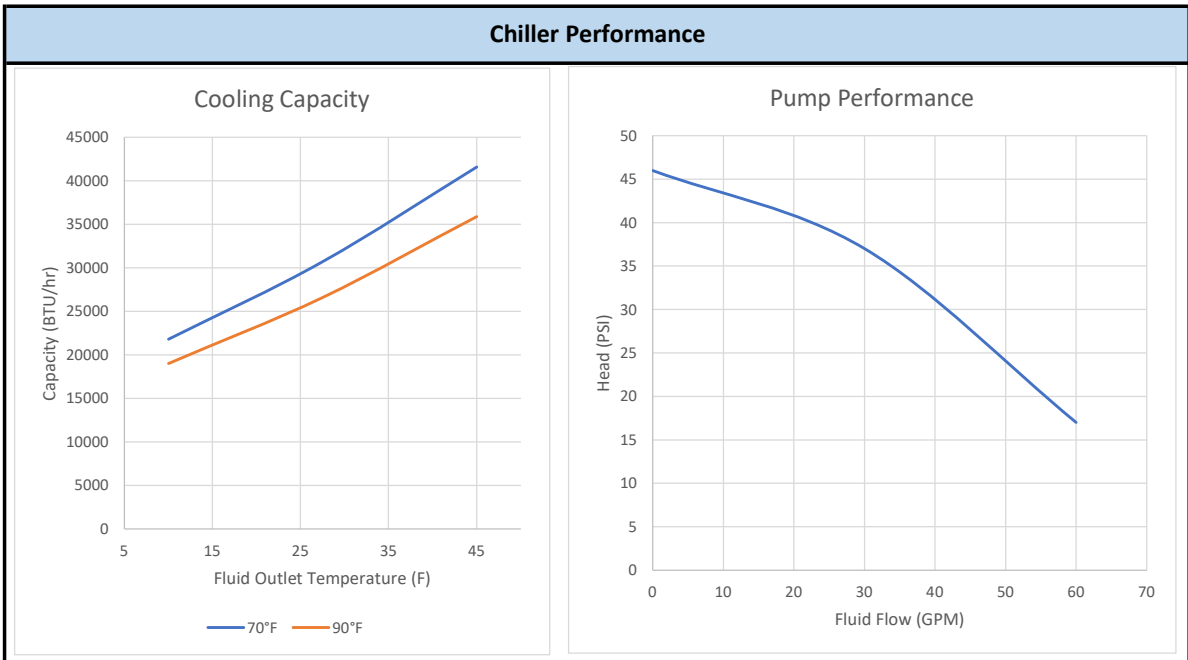
NSC5000-LT

5 Ton Air Cooled Deep Freeze Chiller

Dimensional Drawings

Labels in drawings include: EXHAUST, TEMPERATURE CONTROLLER, AIR FLOW, SERVICE ACCESS PANEL, ELEC. PANEL, FLUID RETURN, FLUID OUTLET, POWER SWITCH, INCOMING POWER, FILL PORT, PUMP PRESSURE GAUGE, and FLUID LEVEL INDICATOR. Dimensions shown are 62 5/16" height, 67" width, and 36 1/2" depth.

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
34"	65"	62"	1000 lbs	50 Gallon Poly Tank	1-1/4" NPT



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All Information Is For Reference Only





NSC5000-LT

Standard Features and Benefits			
Performance	Working Temperature Range	10°F(-12°C) to 45°F(7°C)	
	Temperature Stability	±2	
	Cooling Capacity @ 70°F	10°F (-12.2°C) - 21,800 BTU/hr (6,390 Watts) 27.5°F (-2.5°C) - 30,700 BTU/hr (9,000 Watts) 45°F (7.2°C) - 41,600 BTU/hr (12,190 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	
User Interface	Controls	Electronic Programmed Temperature Controller with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Pump Pressure Gauge	
Refrigeration Circuit	Compressor	Copeland Scroll	
	Heat Exchanger	Braze Plate Heat Exchanger	
	Refrigerant	R404a	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expansion Valve (TXV), Fan Cycling	
	Max Heat Rejection	79,400 btu/hr (23.2 kW)	
Process Fluid Circuit	Pump	Continuous Duty, 2 HP Centrifugal Pump	
	Inlet/Outlet	1-1/4" NPT	
	Reservoir	50 Gallon Poly Tank	
	Additional Features	Inline Strainer, Process Fluid Temperature Sensor, Pump Discharge Pressure Gauge, Internal Fluid Bypass Valve	
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 1994, CAN/CSA STD, C22.2 No. 236	
	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)	12.4 Amps (std)	16.6 Amps (std)
	208-240VAC / 3P / 60Hz	29.3 Amps	35 Amps
	208-240VAC / 1P / 60Hz	48 Amps	56 Amps

Optional Upgrades		
UPGRADES	Anti-Backflow Process Heating Pass-through	External Temperature Monitoring Alternate Pumps Extended Ambient (20°F)
	Controllers Crating UL/CSA for Outdoor Use Extended Ambient	
More Options and Customization Available - Contact Factory for More Information		

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