

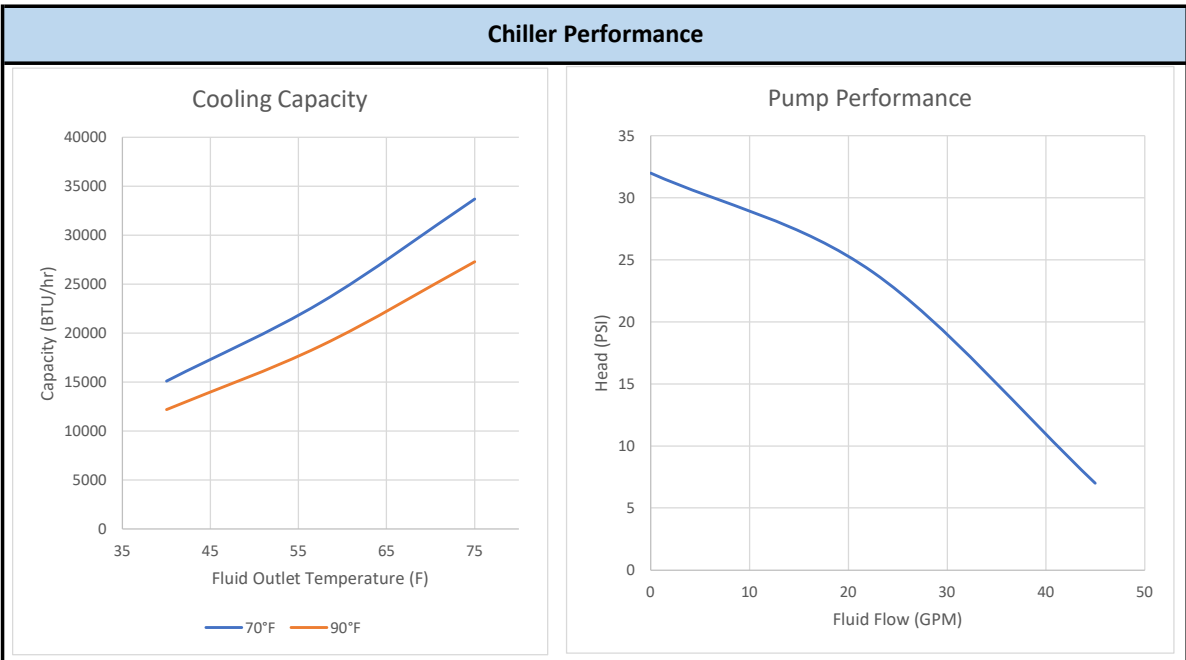


# NSC2000

## 2 Ton Air Cooled Freeze Chiller

### Dimensional Drawings

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
34 3/4"	43 3/4"	40"	550 lbs	15 Gallon Poly Tank	3/4" NPT



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

All Information Is For Reference Only





# NSC2000

Standard Features and Benefits			
<b>Performance</b>	Working Temperature Range	40°F(4.5°C) to 75°F(24°C)	
	Temperature Stability	±2	
	Cooling Capacity @ 70°F	40°F (4.4°C) - 15,100 BTU/hr (4,430 Watts) 57.5°F (14.2°C) - 23,100 BTU/hr (6,770 Watts) 75°F (23.9°C) - 33,700 BTU/hr (9,880 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 32 PSI 22.5 GPM @ 24 PSI 45 GPM @ 7 PSI	
<b>User Interface</b>	Controls	Electronic Programmed Temperature Controller with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Pump Pressure Gauge	
<b>Refrigeration Circuit</b>	Compressor	Copeland Scroll	
	Heat Exchanger	Braze Plate Heat Exchanger	
	Refrigerant	R134a	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, High and Low Pressure Controls, Thermostatic Expansion Valve (TXV)	
	Max Heat Rejection	32,000 btu/hr (9.4 kW)	
<b>Process Fluid Circuit</b>	Pump	Continuous Duty, 3/4 HP Centrifugal Pump	
	Inlet/Outlet	3/4" NPT	
	Reservoir	15 Gallon Poly Tank	
	Additional Features	Inline Strainer, Process Fluid Temperature Sensor, Pump Discharge Pressure Gauge, Internal Fluid Bypass Valve	
<b>Construction</b>	Frame	Galvanized Steel	
	Enclosure	Powder Coated Steel Enclosure with Easy Access Panels	
<b>Quality</b>	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	
<b>Power</b>	Available Voltages	Max Amps (FLA)	Recommended Breaker/Service (MCA)
	208-240VAC / 1P / 60Hz (STANDARD)	28.7 Amps (std)	36.7 Amps (std)
	208-240VAC / 3P / 60Hz	20 Amps	25 Amps
	480VAC / 3P / 60Hz	9.3 Amps	12 Amps

Optional Upgrades			
<b>UPGRADES</b>	Anti-Backflow Process Heating Pass-through	External Temperature Monitoring Alternate Pumps	Controllers
	<b>More Options and Customization Available - Contact Factory for More Information</b>		

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