



# AG-CHILL 20 Ton Air Cooled Super Low Temp Chiller (Qty 4 NSC5000-SLT in Parallel)

# NSC20000-SLT

**Dimensional Drawings**

LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
76 3/4"	84 3/8"	92 5/8"	2450 lbs	50 Gallon Stainless Steel	2" NPT

**Chiller Performance**

**Cooling Capacity**

Chiller Fluid Outlet Temperature (F)	Capacity (BTU/hr) at 70°F	Capacity (BTU/hr) at 90°F
-65	~50,000	~30,000
-45	~100,000	~60,000
-25	~200,000	~120,000
-5	~350,000	~200,000
15	~500,000	~280,000
35	~700,000	~400,000

**Pump Performance**

Fluid Flow (GPM)	Head (PSI)
0	~120
5	~115
10	~110
15	~100
20	~85
25	~65
30	~45
35	~30

**AG-Optimists, LLC**  
 3130 South 1030 West, Suite 1  
 Salt Lake City, UT 84119  
 (541) 610-6858  
[www.ag-chill.com](http://www.ag-chill.com)

All Information Is For Reference Only





# NSC20000-SLT

Standard Features and Benefits			
<b>Performance</b>	Working Temperature Range	-58°F(-50°C) to 10°F(-12°C)	
	Temperature Stability	±2	
	Cooling Capacity at 70F	-58°F (-50°C) - 62,100 BTU/hr (18,200 Watts) -43.6°F (-42°C) - 117,900 BTU/hr (34,550 Watts) 31.1°F (-0.5°C) - 715,900 BTU/hr (209,810 Watts)	
	Ambient Temperature (Standard)	20°F - 100°F	
	Pump Performance	0 GPM @ 122 PSI 17.9 GPM @ 99 PSI 35.7 GPM @ 31 PSI	
<b>User Interface</b>	Controls	Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Touch Screen Controls	
<b>Refrigeration Circuit</b>	Compressor	Bitzer 2 Stage Reciprocating	
	Heat Exchanger	Braze Plate Heat Exchanger	
	Refrigerant	R404a	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Suction Accumulator, Thermostatic Expansion Valve (TXV)	
	Max Heat Rejection	460,300 BTU/hr (134.8 kW)	
<b>Process Fluid Circuit</b>	Pump	Continuous Duty, 3.75kW Vortex Pump	
	Inlet/Outlet	2" NPT	
	Reservoir	50 Gallon Stainless Steel	
	Additional Features	Inline Strainer, Inlet and Outlet Temperature Sensors, Pump Discharge Pressure Transducer	
<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)	Certified for Outdoor Use 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	
<b>Power</b>	Available Voltages	Max Amps (FLA)	Recommended Breaker/Service (MCA)
	(STANDARD)		

Optional Upgrades			
<b>UPGRADES</b>	Extended Ambient (-15°F) Crating	External Temperature Monitoring Alternate Pumps	Controller Auto Start Remote Start
<b>More Options and Customization Available - Contact Factory for More Information</b>			

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