



AG-CHILL 10 Ton Air Cooled Super Low Temp Chiller (Qty 2 NSC5000-SLT in Parallel)

NSC10000-SLT

Dimensional Drawings

| LENGTH | WIDTH | HEIGHT | WEIGHT | TANK CAPACITY | FLUID CONNECTIONS |
|---------|---------|---------|----------|---------------------------|-------------------|
| 60 3/4" | 76 3/8" | 80 5/8" | 1950 lbs | 30 Gallon Stainless Steel | 1-1/2" NPT |

Chiller Performance

Cooling Capacity

| Chiller Fluid Outlet Temp (F) | Capacity (BTU/hr) at 70°F | Capacity (BTU/hr) at 90°F |
|-------------------------------|---------------------------|---------------------------|
| -65 | ~30,000 | ~20,000 |
| -45 | ~50,000 | ~35,000 |
| -25 | ~120,000 | ~80,000 |
| -5 | ~200,000 | ~140,000 |
| 15 | ~280,000 | ~200,000 |
| 35 | ~360,000 | ~280,000 |

Pump Performance

| Fluid Flow (GPM) | Head (PSI) |
|------------------|------------|
| 0 | ~125 |
| 10 | ~115 |
| 20 | ~105 |
| 30 | ~95 |
| 40 | ~80 |
| 50 | ~65 |
| 60 | ~50 |
| 70 | ~35 |

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 Salt Lake City, UT 84119
 (541) 610-6858
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All Information Is For Reference Only





NSC10000-SLT

| Standard Features and Benefits | | | |
|--------------------------------|----------------------------------|---|-----------------------------------|
| Performance | Working Temperature Range | -58°F(-50°C) to 10°F(-12°C) | |
| | Temperature Stability | ±2 | |
| | Cooling Capacity at 70F | -58°F (-50°C) - 31,100 BTU/hr (9,110 Watts) -43.6°F (-42°C) - 58,900 BTU/hr (17,260 Watts) 31.1°F (-0.5°C) - 358,000 BTU/hr (104,920 Watts) | |
| | Ambient Temperature (Standard) | 20°F - 100°F | |
| | Pump Performance | 0 GPM @ 122 PSI 35.7 GPM @ 97 PSI 71.3 GPM @ 25 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 | 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 | 315,200 BTU/hr (92.3 kW) | |
| Process Fluid Circuit | Pump | Continuous Duty, 7.5kW Vortex Pump | |
| | Inlet/Outlet | 1-1/2" NPT | |
| | Reservoir | 30 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) | 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 | |
| Power | Available Voltages | Max Amps (FLA) | Recommended Breaker/Service (MCA) |
| | 480VAC / 3P / 60Hz (STANDARD) | 92 Amps (std) | 106.2 Amps (std) |

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

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