

1L26W Water-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range -40°C to +25°C
- Temperature Stability $\pm 0.5^{\circ}\text{C}$
- Net Cooling Capacities 3,000 Watts at -35°C
7,500 Watts at -20°C
- Heating Capacity 1,500 Watts on 460 VAC
- Recirculating Flow/Pressure 6 Gpm at 65 Psi
- Stainless Steel Reservoir 5 Gallons, Sealable
- Recirculating Fluid 62% Dowtherm SR-1 / 38% Water, by Volume
- Recirculating Supply/Return Fittings 3/4" Stainless Steel FPT
- Facilities Requirements Up to 5.5 Gpm at 70°F inlet, 20 Psi ΔP
- Facilities Supply/Return Fittings 3/4" Stainless Steel FPT
- Electrical Service 440/480 VAC, 60 Hz, 3 phase, 20 amp service
- Physical Parameters 68" H x 30" W x 42" D
900 pounds dry weight
- Warranty 12 Months, Parts and Labor
- Refrigeration 6 Hp semi-hermetically sealed compressor, 14 lbs. R-507 refrigerant
- Condenser A brazed plate heat exchanger is used, and a refrigerant pressure actuated water flow control valve automatically adjusts water usage
- Pump 1.5 Hp magnetically-driven turbine pump with no rotating mechanical seals. Fluid circuit is equipped with a 100 Psi over-pressure switch.
- Safety Interlocks Reservoir low level and empty switches, refrigerant high / low pressure switches, turbine fluid flowmeter, over-temp switch
- Controller PID type controller that utilizes fully proportional cooling with the Mydax patented refrigeration circuit.
- Construction Welded steel frame with aluminum side panels. Frame and panels are powder coated for durability. Locking casters with adjustable leveling pads.
- Interfacing 0-10 VDC Analog Interface for setpoint input, actual output temperature, remote start/stop and alarm indication, RS-232 Serial Interface
- Safety Standards Refrigeration Standard ARI 590-2, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79



Patents: #4,742,689, #4,959,972, #4,934,155



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2009.07.01

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