

1LH10W Water-Cooled Chiller

Specifications and Features

- Fluid Setpoint Range -30°C to +125°C
- Temperature Stability $\pm 1.0^{\circ}\text{C}$
- Net Cooling Capacities 3,000 Watts at -25°C
- Heating Capacity 5,000 Watts on 480 VAC
- Recirculating Fluid Syltherm HF
- Recirculating Flow/Pressure 6 Gpm at 50 PSI, Adjustable
- Recirculating Supply/Return 3/4" Stainless Steel FNPT
- Stainless Steel Reservoir 5 Gallons, Sealable
- Facilities Supply/Return 3/4" Stainless Steel FNPT
- Facilities Requirements Up to 5.5 Gpm at 70°F inlet, 20 Psi ΔP (Supply-to-Return)
- Electrical Service 480 VAC, 60 Hz, 3 phase, 40 amp service
- Physical Parameters 66" H x 30" W x 42" D
900 pounds dry weight (approx.)
- Warranty 12 Months, Parts and Labor
- Refrigeration 6 Hp semi-hermetically sealed compressor, R-507 refrigerant
- Condenser A brazed plate heat exchanger is used, a refrigerant pressure actuated water flow control valve automatically adjusts water usage, copper piping
- Recirculating 1.5 Hp magnetically-driven turbine pump with no rotating mechanical seals, turbine fluid flowmeter in recirculating return, output flow adjust globe valve, over-pressure switch, copper piping
- Safety Interlocks Reservoir low level and empty switches, refrigerant high / low pressure switches, fluid over-temperature and over-pressure switches, emergency off switch
- Controller PID type controller with a 5.7" color graphic touch-screen display providing fully proportional cooling and heating with the Mydax patented refrigeration circuit
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on locking casters, with adjustable leveling pads
- Interfacing External contacts providing run and alarm status, RS-232 serial interface for remote control and monitoring
- Safety Standards Refrigeration Standard AHRI 550/590, 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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