

1VLH10W-OD Outdoor-Rated, Water-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range -70°C to +60°C
- Temperature Stability ± 0.5°C or better
- Net Cooling Capacities 3,000 Watts at -50°C
375 Watts at -70°C
- Heating Capacity 3,000 Watts on 208 VAC
- Recirculating Flow/Pressure 4 Gpm at 30 Psi, 2 Gpm at 60 Psi
- Stainless Steel Reservoir 5 Gallons, Sealable
- Recirculating Fluid Golden ZT-100 or Syltherm HF
- Recirculating Supply/Return Fittings 3/4" Stainless Steel FPT
- Facilities Supply/Return Fittings 1/2" Stainless Steel FPT
- Facilities Requirements Up to 3.5 Gpm at 70°F inlet,
20 Psi ΔP
- Electrical Service 208/230 VAC, 60 Hz, 3 phase,
40 amp service
- Physical Parameters 68" H x 30" W x 50" D
1,200 pounds dry weight
- Warranty 12 Months, Parts and Labor
- Refrigerant R-507, 15 lbs.
- Compressor 12 Hp semi-hermetically sealed
- Condenser A brazed plate heat exchanger is used and a refrigerant pressure actuated water flow control automatically adjusts water usage
- Pump Magnetic-drive turbine pump powered by a variable frequency drive (VFD) to provide adjustable output flow and pressure
- Safety Interlocks Reservoir low level and empty float switches, refrigerant high and low pressure switches, turbine fluid flowmeter, over-temp switch



Similar **Larger** Model Shown

- Controller PID type controller that utilizes fully proportional cooling and heating 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 or I-beam supports.
- Interfacing RS-232 for Remote Control and Monitoring
- 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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