

2LH18W 2-Channel Water-Cooled Chiller/Heater

Specifications and Features

- Temperature Setpoint Range -30°C to +70°C (both loops)
- Temperature Stability $\pm 1.0^\circ\text{C}$ or better (both loops)
- Net Cooling Capacity 2,500 Watts at -30°C (each loop simultaneously)
- Heating Capacity (both loops) 3,000 Watts at 460 VAC
- Recirculating Fluid 62% Ethylene Glycol, 38% Water (both loops)
- Stainless Steel Reservoir 10 Gallons (both loops)
- Recirculating Flow/Pressure 2.5 to 8 Gpm up to 80 Psi (both loops adjustable)
- Recirculating Supply/Return 1" Stainless Steel FNPT (both loops)
- Facilities Water Requirements Up to 7 Gpm at +21°C Inlet, 20 Psi ΔP , supply-to-drain
- Facilities Fittings 3/4" Stainless Steel FNPT
- Electrical Service 440/480 VAC, 60 Hz, 3 Phase, 50 Amp Service (38 amp draw)
- Physical Parameters 65"H x 36"W x 45"D
1,200 lbs. dry weight
- Warranty 12 Months, Parts and Labor
- Refrigeration 15 Hp semi-hermetically sealed, single-stage compressor, R-507 refrigerant
- Condenser Brazed plate heat exchanger with a refrigerant pressure actuated water flow control valve to automatically adjust water usage to maintain condensing temperature
- Recirculation 1.5 Hp canned-motor turbine pumps powered by variable frequency drives to optimize pump speeds and maximize cooling power, independent recirculating loop switching
- Interfacing RS-232 serial interface for remote control and monitoring



Similar Model Shown

- Safety Interlocks Reservoir low level and empty switches, fluid over-temp switches, refrigerant high and low pressure switches
- 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, frame is equipped with locking casters and leveling feet
- Safety Standards Refrigeration Standard ARI 590-2, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79



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