

1L80W Water-Cooled Chiller/Heater

Standard Specifications and Features

- Fluid Setpoint Range -20°C to +50°C
- Temperature Stability $\pm 1.0^\circ\text{C}$
- Net Cooling Capacities 23.5 KW at -20°C
- Nominal Heating Capacity 20 kW
- Recirculating Flow/Pressure 8 Gpm at 85 PSI
- Stainless Steel Reservoir 10 Gallons (sealed)
- Recirculating Fluid PAO
- Recirculating Supply/Return Fittings 3/4" Stainless Steel FNPT
- Condenser Water Requirements Up to 13 Gpm at 70°F inlet, 20 Psi ΔP , supply-to-drain
- Facilities Water Fittings 1" Stainless Steel FNPT
- Electrical Service 208/240 VAC, 60 Hz, 3 phase 190 amp service
- Physical Parameters 74" H x 41" W x 56" D
1,400 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration 28 HP semi-hermetically sealed compressor, R-507 refrigerant
- Condenser Brazed plate heat exchanger with a refrigerant pressure actuated water flow control valve to automatically adjust flow
- Recirculation 3 HP canned motor turbine pump, turbine fluid flowmeter in recirculating return, pressure gauge, overpressure switch, bypass flow valve, brazed plate heat exchanger, copper piping
- Safety Interlocks Reservoir low level and empty switches, refrigerant high and low pressure switches, fluid over-temperature switch, 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
- Interfacing Remote contacts providing run and alarm status, RS-232 serial interface for remote control and monitoring
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on locking casters and adjustable leveling feet
- Safety Standards National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

