

1M16W Water-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range 0°C to +60°C
- Temperature Stability $\pm 0.5^{\circ}\text{C}$
- Net Cooling Capacities 4,820 Watts at 0°C (60 Hz)
4,000 Watts at 0°C (50 Hz)
- Heating Capacity 3,000 Watts
- Recirculating Fluid Galden HT-170
- Stainless Steel Reservoir 5 Gallons
- Recirculating Flow/Pressure 1 to 6 Gpm at 80 PSI
(both 60 Hz and 50 Hz)
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Condenser Water
Requirements Up to 5 Gpm at 60°F Inlet,
20 PSI ΔP (supply-to-drain)
- Facilities Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Electrical Service 208/230 VAC, 60 Hz, 3 Phase,
200/220 VAC, 50 Hz, 3 Phase,
40 amp service
- Physical Parameters Footprint 66"H x 36"W x 30"D,
(Total 36" D incl. filter) 650 Lbs. dry weight (approx.)
- Warranty 12 Months, Parts and Labor
- Refrigeration 5 Hp hermetically-sealed scroll compressor,
R-507 refrigerant
- Condenser SS plate heat exchanger with a water flow
control valve to automatically maintain
condensing temperature, copper piping
- Recirculation 3 Hp magnetic-drive turbine pump
powered by an optional variable frequency
drive (VFD) to provide adjustable output
flow and pressure, SS brazed plate heat
exchanger, SS turbine flowmeter, Bypass
flow adjust valve, panel mounted pressure
gauge, optional Full flow 30 micron particle
filter, copper piping



- Safety Interlocks Reservoir low level and empty switches, refrigerant high and low pressure switches, fluid over-temp and over-pressure switches, emergency off switch
- Controller PID controller with a 5.7 inch 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, locking casters with adjustable leveling pads
- Safety Standards Refrigeration Standard AHRI 550/590, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

Please contact Mydax to customize this system for your specific needs



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