

1MP222W Water-Cooled Precision Chiller

Specifications

- Fluid Setpoint Range +15°C to +30°C
- Temperature Stability $\pm 0.05^\circ\text{C}$ or Better
- Net Cooling Capacity 65,000 Watts at +20°C (50 Hz)
- Heating Capacity 3,000 Watts on 400 VAC
- Recirculating Flow/Pressure 110 Gpm at 60 Psi
- Recirculating Fluid Water (with AquaTreat B239)
- Stainless Steel Reservoir 60 Gallons, Sealable
- Recirculating Supply/Return 2" Stainless Steel FNPT with Tri-Clamp Adapters
- Facilities Requirements Up to 26 Gpm at 70°F inlet, 20 Psi ΔP (Supply-to-Return)
Approx. THR 380,000 Btu/hr on 60Hz, 333,000 Btu/hr on 50Hz
- Facilities Supply/Return 1.5" Stainless Steel FNPT with Tri-Clamp Adapters
- Electrical Service 400 VAC, 50 Hz, 3 Phase, 70 Amp Service, 63 Amp Draw
480 VAC, 60 Hz, 60 Amp Draw
- Physical Parameters 65" H x 42" W x 50" D
1,375 Pounds Dry Weight
- Warranty 12 Months, Parts and Labor

Features

- Refrigeration 25 Hp semi-hermetically sealed compressor, 70 lbs. R-507 refrigerant
- Condenser Brazed plate heat exchanger with a refrigerant pressure actuated water flow control valve to automatically adjust water usage
- Recirculation 10 Hp stainless steel, centrifugal pump, powered by a variable frequency drive to provide optimum output flow and pressure, magnetic flowmeter in recirculating return
- Safety Interlocks Reservoir low level and empty switches, refrigerant high and low pressure switches, fluid over-temperature and low-flow 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 and adjustable leveling pads
- Interfacing Remote contacts providing run and alarm status, RS-232 serial interface, analog interface and remote start/stop
- Safety Standards Refrigeration Standard ARI 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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