

1M52W Water-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range 0°C to +100°C
- Temperature Stability ± 0.1°C
- Net Cooling Capacities 15,200 Watts at +5°C
52,000 Btu/hr at 41°F
- Heating Capacity 16,000 Watts on 460 VAC
- Recirculating Flow/Pressure 20 Gpm at 60 PSI
- Stainless Steel Reservoir 25 Gallons
- Recirculating Fluid 35% Ethylene Glycol /
65% Water
- Recirculating Supply/
Return Fittings 1 1/4" Stainless Steel FNPT
- Facilities Requirements Up to 9 Gpm at 37°F inlet,
20 Psi ΔP
- Facilities Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Electrical Service 440/480 VAC, 60 Hz, 3 phase,
60 amp service
- Physical Parameters 66" H x 36" W x 56" D
1000 lbs dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration 7 Hp Semi-Hermetic compressor,
R-507 refrigerant
- Condenser Brazed plate heat exchanger with a
water flow control valve to automatically
maintain condensing temperature
- Recirculation 5 HP seal-less canned motor centrifugal
pump, turbine flowmeter installed in fluid
return circuit, output flow adjust globe valve,
panel mounted pressure gauge
- 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,
analog interface and remote start/stop
- Construction Welded steel frame with aluminum
panels, powder coated and mounted
on locking casters and leveling feet,
NEMA 4X electrical enclosure for clean
environment operation
- Safety Standards Refrigeration Standard AHRI 550/590
National Electrical Code NFPA-70,
Electrical Standard for Industrial
Machinery NFPA-79

