

# 1M52W Water-Cooled Chiller/Heater

## Specifications and Features

- Fluid Setpoint Range 0°C to +100°C
- Temperature Stability ± 0.5°C
- Net Cooling Capacities 15,200 Watts at +5°C  
52,000 Btu/hr at 41°F
- Nominal Heating Capacity 16,000 Watts
- 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 14 Gpm at 70°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, copper  
piping
- Safety Reservoir low level and empty swtiches,  
Interlocks refrigerant high and low pressure  
switches, fluid over temperature switch,  
emergency off switch



Outdoor Rated System Shown

- 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,  
**optional** NEMA 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



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