

1M12A Air Cooled Chiller/Heater

Specifications and Features

- Net Cooling Capacity 3,600 Watts @ +10°C (60 Hz)
3,000 Watts @ +10°C (50 Hz)
- Net Heating Capacity 3,000 Watts
- Fluid Adjust Range 0°C to +60°C
- Temperature Stability ± 0.5°C
- Stainless Steel Reservoir 5 Gallons
- Recirculating Fluid Fluorinert FC-3283
- Recirculating Flow/Pressure 4 Gpm at 50 Psi
(both 50 Hz and 60 Hz)
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FPT
- Condenser Air Flow 2,200 CFM Front-to-Rear
- Heat Rejection to Ambient 24,000 BTU/Hr maximum
- Electrical Service 200/240 VAC, single phase,
50/60 Hz, 40 amp service
- Physical Parameters 51.5" H x 36" W x 34" D
550 pounds dry weight
- Warranty 12 Months, Parts and Labor
- Refrigerant HFC Type R-507
- Compressor 3 Hp Hermetically-sealed
- Pump 1.5 Hp Magnetically-coupled Turbine
powered by an optional variable fre-
quency drive (VFD), SS brazed plate
heat exchanger, SS turbine flowmeter,
Bypass flow adjust valve, pressure
gauge, optional Full flow 30 micron
particle filter, copper piping
- Safety Interlocks Reservoir low level and empty float
switches, refrigerant high and low
pressure switches, fluid flowmeter
and pressure gauge, over-temp and
over-pressure switches.



- 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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Patents: #4,742,689, #4,959,972, #4,934,155

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