

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
- OEM Warranty 14 Months, Parts and Labor
- Refrigerant HFC Type R-507
- Compressor 3 Hp Hermetically-sealed
- Pump 1.5 Hp Magnetically-coupled Turbine
powered by a variable frequency drive
(VFD) to provide adjustable output flow
and pressure
- 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.



- Construction Welded steel frame with
aluminum side panels. Frame
and panels are powder coated
for durability. Locking casters
with adjustable leveling pads.
- Controller PID type controller that utilizes
a fully proportional cooling and
heating with the Mydax
patented refrigeration circuit
- Interfacing RS-232 for Remote Control
and Monitoring
- Safety Standards Refrigeration Standard ARI 590-
92, 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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