

1M16A Air-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range 0°C to +60°C
- Temperature Stability ± 0.5°C
- Net Cooling Capacities 4,820 Watts at 0°C (60 Hz)
Ambient to 90°F 4,000 Watts at 0°C (50 Hz)
- Heating Capacity 3,000 Watts
- Recirculating Fluid Galden HT-170
- Stainless Steel Reservoir 5 Gallons
- Recirculating Flow/Pressure 1 to 6 Gpm up to 80 Psi,
(adjustable) both 60 Hz and 50 Hz
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Condenser Air Flow 4,240 CFM Front-to-Rear
- Heat Rejection to Ambient 37,800 BTU/hr maximum
- Electrical Service 208/230 VAC, 60 Hz, 3 Phase,
200/220 VAC, 50 Hz, 3 Phase,
40 amp service (38 amp draw)
- Physical Parameters 66" H x 47" W x 36" D,
(Including Filter)
750 lbs. dry weight
- Warranty 12 Months, Parts and Labor
- Refrigeration 5 Hp hermetically-sealed scroll
compressor, R-507 refrigerant
- Recirculation 3 Hp magnetic-drive turbine pump
powered by an **optional** variable frequency
drive (VFD) to provide adjustable output
flow and pressure, SS brazed plate heat
exchanger, SS turbine flowmeter, Bypass
flow adjust valve, panel mounted pressure
gauge, **optional** Full flow 30 micron particle
filter, copper piping
- Safety Interlocks Reservoir low level and empty switches,
refrigerant high and low pressure switches,
fluid over-temp and over-pressure
switches, emergency off switch
- 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



12260 Shale Ridge Lane
Auburn, CA 95602
530-888-6662

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

Fax: 530-888-0962

www.mydax.com

E-mail: sales@mydax.com