

## 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**



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