

1M16A Air-Cooled Chiller/Heater

Specifications and Features

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| • 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 (adjustable) | 1 to 6 Gpm up to 80 Psi, 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 | • 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 |
| • Warranty | 12 Months, Parts and Labor | • Interfacing | Remote contacts providing run and alarm status, RS-232 serial interface for remote control and monitoring |
| • Refrigeration | 5 Hp hermetically-sealed scroll compressor, R-507 refrigerant | • Construction | Welded steel frame with aluminum panels, frame and panels are powder coated for durability, locking casters with adjustable leveling pads |
| • 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 Standards | Refrigeration Standard AHRI 550/590, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79 |
| • Safety Interlocks | Reservoir low level and empty switches, refrigerant high and low pressure switches, fluid over-temp and over-pressure switches, emergency off switch | | |



Please contact Mydax to customize this system for your specific needs



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