

## 1M180A Air-Cooled Chiller

### Specifications

- Fluid Setpoint Range            +25°C to +80°C
- Temperature Stability           ± 1.0°C
- Net Cooling Capacity           52,750 Watts at +50°C,  
Ambient air up to 90°F        (180,000 BTU/hr at +122°F)
- Heating Capacity                6,000 Watts on 460 VAC
- Recirculating Fluid              Water
- Stainless Steel Reservoir       30 Gallons
- Recirculating Flow/Pressure   30 Gpm at 35 PSI
- Recirculating Fittings          1 1/2" Stainless Steel FNPT
- Condenser Air Flow             33,000 CFM, Directed Upward
- Installed Clearances            36" All Sides
- Heat Rejection to Ambient      260,000 BTU/hr Maximum
- Electrical Service                440/480 VAC, 60 Hz, 3 Phase,  
80 Amp Service
- Physical Parameters            92" H x 51" W x 144" D,  
2,050 Lbs. Dry Weight (approx.)
- Warranty                          12 Months, Parts and Labor



Similar Model Shown

### Features

- Refrigeration                    25 Hp Semi-hermetically sealed compressor, R-507 refrigerant, three-fan overhead condenser
- Recirculation                    3 Hp stainless steel canned-motor centrifugal pump with no rotating mechanical seals, SS brazed plate heat exchanger, SS turbine flowmeter, Bypass flow adjust valve, panel mounted pressure gauge, copper piping
- Safety Interlocks                Reservoir low level and empty switches, refrigerant high and low pressure switches, rotary flowmeter in fluid return path, fluid over-temperature switch
- Construction                    Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on I-beam supports
- Controller                        PID type controller with a 5.7" color graphic touch-screen display providing fully proportional cooling and heating with the Mydax patented refrigeration circuit
- Interfacing                        External contacts providing run and alarm status, RS-232 serial interface
- Safety Standards                Refrigeration Standard ARI 590-92 National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

**Please contact Mydax to customize this system for your specific needs**

