

## 3MP28W 3-Channel Precision Chiller

### Specifications and Features

- Fluid Setpoint Range +15°C to +40°C, Each Loop
- Temperature Stability ± 0.05°C, Each Loop
- Net Cooling Capacities at +20°C (50 Hz) 2,000 Watts, Loops 1 & 2  
4,000 Watts, Loop 3
- Heating Capacity on 400 VAC 2,000 Watts, Loops 1 & 2  
4,000 Watts, Loop 3
- Recirculating Flow/Pressure at 50 Psi 5 Gpm, Loops 1 & 2  
10 Gpm, Loop 3
- Recirc. Fluid (Each Loop) Water (with AquaTreat B239)
- Stainless Steel Reservoirs 11 Gallons, Loops 1 & 2  
22 Gallons, Loop 3
- Recirculating Supply/Return (Each Loop) 1" Stainless Steel FNPT with Tri-Clamp Adapters
- Facilities Requirements Up to 5 Gpm at 70°F inlet,  
20 Psi ΔP (Supply-to-Return)
- Facilities Supply/Return 3/4" Stainless Steel FNPT with ball valves
- Electrical Service 400 VAC, 50 Hz, 3 Phase,  
35 Amp Service,  
480 VAC, 60 Hz,
- Physical Parameters 60" H x 36" W x 60" D  
800 Pounds Dry Weight
- Warranty 12 Months, Parts and Labor
- Refrigeration 3 Hp hermetically sealed compressor, R-507 refrigerant, condenser equipped with a refrigerant pressure actuated control valve to automatically adjust water usage
- Recirculation 1.5 Hp stainless steel, centrifugal pumps, powered by a variable frequency drive to provide optimum output flow and pressure, rotary flowmeters in recirculating returns
- Safety Interlocks Reservoir low level and empty switches, refrigerant high and low pressure switches, fluid over-temperature and emergency off switch



- 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
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on locking casters and adjustable leveling pads
- Interfacing Remote contacts providing run and alarm status, RS-232 serial interface, analog interface and remote start/stop
- Safety Standards Refrigeration Standard ARI 550/590, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

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



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

5/28/2014

Fax: 530-888-0962  
www.mydax.com  
E-mail: sales@mydax.com