

CryoDax 60 Water-Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range -70°C to +80°C
- Temperature Stability ± 1.0°C
 (at temperatures below -30°C)
- Net Cooling Capacities* 50 kW at -30°C
 30 kW at -40°C 16 kW at -50°C
 8.5 kW at -60°C 4.5 kW at -70°C
(*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity 3,000 Watts
- Recirculating Flow 8 Gpm at 45 PSI
 4 Gpm at 90 PSI
- Stainless Steel Reservoir 20 Gallons (vented)
- Recirculating Fluid Syltherm HF / XLT
 or equivalent
- Recirculating Supply/
 Return Fittings 1" Stainless Steel FNPT
- Condenser Water
 Requirements Up to 22 Gpm at 70°F inlet,
 Up to 26 Gpm at 85°F inlet
 20 Psi ΔP, supply-to-drain
- Facilities Water Fittings 1" Stainless Steel FNPT
- Electrical Service 440/480 VAC 60 Hz,
 380/420 VAC 50 Hz
 3 phase, 120 amp service
- Physical Parameters 74" H x 60" W x 65" D
 2,300 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration Two 30 Hp semi-hermetically sealed,
 two-stage compressors in a parallel
 configuration, R-507 refrigerant
- Condenser Brazed plate heat exchanger with a
 refrigerant pressure actuated water flow
 control valve to automatically adjust flow
- Recirculation 3.0 Hp SS seal-less magnetic-drive turbine
 pump, turbine fluid flowmeter in recirculating
 return, pressure gauge, overpressure switch,
 brazed plate heat exchanger, copper piping



- 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 Remote contacts providing system and
 external recirculation start/stop, 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, mounted on
 I-beam supports.
- Safety Interlocks Reservoir low level and empty switches,
 refrigerant high and low pressure
 switches, fluid over-temperature switch,
 emergency off switch
- 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

1/31/2018

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

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