

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)
- Heating Capacity 3,000 Watts on 460 VAC
- Recirculating Flow

8 Gpm at 45 PSI
4 Gpm at 100 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 CE, 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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