

CryoDax 60X Water-Cooled Chiller/Heater



Specifications and Features

- Fluid Setpoint Range -85°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
15 kW at -60°C
16 kW at -50°C
15 kW at -70°C
11 kW at -80°C

 (*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity 3,000 Watts
- Recirculating Flow 30 Gpm at 25 PSI
- Stainless Steel Reservoir 20 Gallons
(sealable with nitrogen blanket)
- Recirculating Fluid Syltherm 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,
3 phase, 130 amp service
- Physical Parameters 74" H x 60" W x 96" D
2,600 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration R-507 / R-508B refrigerants
- 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 centrifugal 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 UL-508A Industrial Control panel,
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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