

CryoDax 8 Water-Cooled Chiller/Heater

Standard Specifications and Features

- Fluid Setpoint Range -70°C to +80°C
- Temperature Stability $\pm 1.0^{\circ}\text{C}$
- Net Cooling Capacities
 - 5.7 kW at -30°C
 - 3.0 kW at -40°C
 - 800 W at -60°C
 - 2.0 kW at -50°C
 - 250 W at -70°C
 (*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity 3,000 Watts
- Recirculating Flow/Pressure 4 Gpm at 25 PSI,
2 Gpm at 45 PSI
- Stainless Steel Reservoir 5 Gallons (vented)
- Recirculating Fluid Syltherm HF or XLT
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Facilities Requirements Up to 4.0 Gpm at 70°F inlet,
20 Psi ΔP
- Facilities Supply/
Return Fittings 1/2" Stainless Steel FNPT
- Electrical Service 208/230 VAC, 60 Hz, 3 phase,
40 amp service
- Physical Parameters 60" H x 30" W x 36" D,
940 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration 8 Hp semi-hermetically sealed compressor,
R-507 refrigerant
- Condenser Brazed plate heat exchanger with a
water flow control valve to automatically
maintain condensing temperature
- Recirculation 1.5 Hp SS seal-less magnetic-drive turbine
pump, turbine fluid flowmeter in recirculating
return, pressure gauge, overpressure switch,
brazed plate heat exchanger, copper piping
- Safety Interlocks Fluid low level and empty switches,
refrigerant high and low pressure switches,
fluid over-temperature switch, emergency
off switch

**Contact Mydax to customize this system
for your specific needs**



- 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 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
locking casters and leveling feet
- Safety Standards Refrigeration Standard AHRI 550/590,
National Electrical Code NFPA-70,
Electrical Standard for Industrial
Machinery NFPA-79



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