

# 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
  - 2.0 kW at -50°C
  - 800 W at -60°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  $\Delta\text{P}$
- 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 ETL, UL-508A,  
National Electrical Code NFPA-70,  
Electrical Standard for Industrial  
Machinery NFPA-79



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

6/7/2020

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

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