

# CryoDax 20 Water-Cooled Chiller/Heater

## Standard Specifications and Features

- Fluid Setpoint Range -70°C to +80°C
- Temperature Stability ± 1.0°C
- Net Cooling Capacities  
9.0 KW at -40°C  
2.6 KW at -60°C  
15.1 KW at -30°C  
5.5 KW at -50°C  
1.5 KW at -70°C
- Heating Capacity 3,000 Watts on 460 VAC
- Recirculating Flow/Pressure 8 Gpm at 45 PSI,  
4 Gpm at 100 PSI
- Stainless Steel Reservoir 20 Gallons (vented)
- Recirculating Fluid Syltherm XLT or HF
- Recirculating Supply/  
Return Fittings 3/4" Stainless Steel FNPT
- Condenser Water Requirements Up to 15 Gpm at 70°F inlet,  
20 Psi ΔP, supply-to-drain
- Facilities Water Fittings 1" Stainless Steel FNPT
- Electrical Service 440/480 VAC, 60 Hz, 3 phase  
50 amp service
- Physical Parameters 74" H x 41" W x 53" D  
1,250 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration 20 Hp semi-hermetically sealed  
compressor, 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
- Safety Interlocks Reservoir low level and empty switches,  
refrigerant high and low pressure switches,  
fluid over-temperature switch, emergency  
off switch



- 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 adjustable  
leveling feet
- 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

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