

## 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                16 kW at -50°C  
    15 kW at -60°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 (vented)
- 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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