Specifications and Features

- Fluid Setpoint Range: -70°C to +80°C
- Temperature Stability: ± 1.0°C (at temperatures below -30°C)
- Net Cooling Capacities:
  - 100 KW at -30°C
  - 60 KW at -40°C
  - 32 KW at -50°C
  - 17 KW at -60°C
  - 9 KW at -70°C
  (*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity: 3,000 Watts
- Recirculating Flow/Pressure: 30 Gpm at 35 PSI
- Stainless Steel Reservoir: 45 Gallons (vented)
- Recirculating Fluid: Syltherm XLT or HF
- Recirculating Supply/Return Fittings: 1 1/2” Stainless Steel FNPT
- Condenser Water Requirements: Up to 42 Gpm at 70°F inlet, Up to 50 Gpm at 85°F inlet
- Facilities Water Fittings: 1 1/2” Stainless Steel FNPT
- Electrical Service: 440/480 VAC, 60 Hz, 3 phase, 240 amp service
- Physical Parameters: 75” H x 60” W x 102” D, 3,300 lbs. dry weight approx.
- Warranty: 12 Months, Parts and Labor
- Refrigeration: Four 30 Hp semi-hermetically sealed, two-stage compressors in a parallel configuration, 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 canned-motor centrifugal pump, turbine fluid flowmeter in recirculating return, output flow adjust valve, 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 I-Beam supports

Please contact Mydax to customize this system for your specific needs.