

1VLH25W Water Cooled Chiller/Heater

Specifications:

- **Net Cooling Capacity:** 21,114W or 72,000 BTU/Hr @-30°C
Rating Conditions: 60 Hz
- **Net Cooling Capacity:** 7,000W or 23,870 BTU/Hr @-50°C
Rating Conditions: 60 Hz
- **Heating Capacity:** 3,000 Watts @208 VAC
- **Fluid Adjust Range** -55°C to +90°C (-67°F to +194°F)
- **Temperature Stability** ± 1°C (±1.8°F)
- **Recirculating Flow/Pressure** 4 Gpm @ 40 Psi
- **Stainless Steel Reservoir** 3 gallons nominal, 5 gallon capacity
- **Recirculating Fluid** Galden HT-110
- **Recirculating Supply/ Return Fittings** 3/4" Stainless Steel FPT
- **Facilities Fittings** 3/4" Stainless Steel FPT
- **Facilities Requirements** up to 10 Gpm @70°F inlet
- **Electrical Service** 440/480 VAC, 60 Hz, 3 phase, 50 amperes service, 36 amp draw
- **Physical Parameters** 60"Height x 36"Wide x 42"D deep
960 pounds dry weight
- **Warranty 12 months, Parts and Labor**

Features:

- Refrigerant:** Ozone safe HFC type R-507
- Compressor:** 25 HP semi-hermetically sealed, two stage.
- Condenser:** A brazed plate heat exchanger is used. A refrigerant pressure actuated water flow control automatically adjusts the water usage to maintain a constant condensing temperature.
- Pump:** A Leakproof seal-less canned motor turbine type. The pump is powered by a variable frequency drive (VFD) to provide output flow and pressure independent of the power supply frequency.
- Safety Interlocks:** Reservoir empty float switch, refrigerant high and low pressure switches, turbine fluid flowmeter, over-temp switches.



Features:

- Controller:** PID type controller that utilizes a fully proportional cooling and heating with the Mydax Patented refrigeration circuit.
- Construction:** Welded steel frame with aluminum side panels. Frame and panels powder coated for durability. Locking casters are included.
- Interfacing:** Standard is RS-232
Optionally available:
Analog voltage
RS-485
IEEE-488 GPIB
- Safety Standards**
Optional: ETL Listing
CE Marking

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

