

1VLH13W Water Cooled Chiller/Heater

Specifications

- Fluid Setpoint Range -70°C to +125°C
- Temperature Stability $\pm 0.5^{\circ}\text{C}$
- Cooling Capacities 450 Watts at -70°C
4,000 Watts at -40°C
- Heating Capacity 3,000 Watts on 460 VAC
- Recirculating Flow/Pressure 5 Gpm at 65 Psi
- Recirculating Fluid Syltherm HF Silicone Oil
- Stainless Steel Reservoir 8 Gallon Operating Volume
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FPT
- Condenser Water
Requirements Up to 8 Gpm at 70°F Inlet,
20 Psi ΔP , Supply-to-Drain
- Facilities Supply/
Return Fittings 3/4" Stainless Steel FPT
- Electrical Service 440/480 VAC, 60 Hz, 3 Phase,
30 Amp Service
- Physical Parameters 60" H x 36" W x 48" D
970 pounds dry weight
- Warranty 12 Months, Parts and Labor

Features

- Refrigeration 12 Hp semi-hermetically sealed
compressor, R-507 refrigerant (15 lbs.)
- Condenser Brazed plate heat exchanger with
refrigerant pressure actuated water flow
control valve to automatically adjust flow
- Pump 1.5 Hp magnetically-coupled turbine pump
with a variable frequency drive to provide
adjustable flow and pressure, turbine
flowmeter in fluid return path
- Safety Including reservoir level and refrigerant
Interlocks pressure switches, fluid over-temperature
and over-pressure switches



- Controller PID type controller that utilizes
fully proportional cooling and
heating with the Mydax
patented refrigeration circuit.
- Construction Welded steel frame with aluminum
side panels, locking casters and
adjustable leveling pads, frame
and panels are powder coated
for durability
- Interfacing RS-232 for Remote Control
and Monitoring
- Safety Refrigeration Standard ARI
Standards 590-2, National Electrical Code
NFPA-70, Electrical Standard
for Industrial Machinery NFPA-79

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



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