

1VLH7WC Water Cooled Chiller/Heater

Specifications and Features

- Fluid Setpoint Range -70°C to +120°C
- Temperature Stability $\pm 0.5^{\circ}\text{C}$ or better
- Net Cooling Capacities 2,000 Watts at -50°C
250 Watts at -70°C
- Heating Capacity 3,000 Watts on 208 VAC
- Recirculating Flow/Pressure 4 Gpm at 30 Psi, 2 Gpm at 60 Psi
- Stainless Steel Reservoir 5 Gallons
- Recirculating Fluid Golden ZT-130 or Syltherm XLT
Silicone Oil
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FPT
- Facilities Requirements Up to 4.0 Gpm at 70°F inlet,
20 Psi ΔP
- Facilities Supply/
Return Fittings 1/2" Stainless Steel FPT
- Electrical Service 208/230 VAC, 60 Hz, 3 phase,
30 amp service
- Physical Parameters 60" H x 30" W x 42" D,
940 pounds dry weight
- Warranty 12 Months, Parts and Labor
- Refrigeration 8 Hp semi-hermetically sealed compressor,
R-507 refrigerant, 10 lbs.
- Condenser Brazed plate heat exchanger with a
refrigerant pressure actuated water flow
control valve to automatically adjust water
usage to maintain condensing temperature
- Recirculation 1.5 Hp magnetically-driven turbine pump
powered by a variable frequency drive to
optimize pump motor speed and
maximize cooling power
- Safety Interlocks Fluid low level and empty switches,
refrigerant high and low pressure switches,
turbine fluid flowmeter, over-temp switch
- 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. Frame
and panels are powder coated
for durability. Locking casters
with adjustable leveling pads.
- Interfacing RS-232 for Remote Control
and Monitoring
- Safety Standards Refrigeration Standard ARI
590-2, National Electrical Code
NFPA-70, Electrical Standard
for Industrial Machinery
NFPA-79

