

# 1L26W Water-Cooled Chiller

## Specifications and Features

- Fluid Setpoint Range -40°C to +25°C
- Temperature Stability  $\pm 0.5^{\circ}\text{C}$
- Net Cooling Capacities 3,000 Watts at -35°C  
7,500 Watts at -20°C
- Heating Capacity 1,500 Watts on 460 VAC
- Recirculating Fluid 62% Ethylene Glycol / 38% Water
- Recirculating Flow/Pressure 6 Gpm at 65 PSI, Adjustable
- Recirculating Supply/Return 3/4" Stainless Steel FNPT
- Stainless Steel Reservoir 5 Gallons, Sealable
- Facilities Supply/Return 3/4" Stainless Steel FNPT
- Facilities Requirements Up to 5.5 Gpm at 70°F inlet,  
20 Psi  $\Delta\text{P}$  (Supply-to-Return)
- Electrical Service 440/480 VAC, 60 Hz, 3 phase,  
20 amp service
- Physical Parameters 67" H x 30" W x 42" D  
900 pounds dry weight (approx.)
- Warranty 12 Months, Parts and Labor
- Refrigeration 6 Hp semi-hermetically sealed  
compressor, R-507 refrigerant
- Condenser A brazed plate heat exchanger is used,  
a refrigerant pressure actuated water  
flow control valve automatically adjusts  
water usage, copper piping
- Recirculating 1.5 Hp magnetically-driven turbine pump  
with no rotating mechanical seals, turbine  
fluid flowmeter in recirculating return, output  
flow adjust globe valve, over-pressure switch,  
copper piping
- Safety Reservoir low level and empty switches,  
Interlocks refrigerant high / low pressure switches,  
fluid over-temperature and over-pressure  
switches, 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
- Construction Welded steel frame with aluminum  
panels, frame and panels are  
powder coated for durability,  
mounted on locking casters, with  
adjustable leveling pads
- Interfacing External contacts providing run and  
alarm status, RS-232 serial interface  
for remote control and monitoring
- Safety Refrigeration Standard AHRI 550/590,  
Standards 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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