

3M82WA-OD 3-Channel, Outdoor-Rated, Water-Cooled Chiller/Heater

Specifications and Features (♦ denotes each loop)

- Fluid Setpoint Range 0°C to +40°C ♦
- Temperature Stability ± 0.5°C ♦
- Net Cooling Capacity 8,000 Watts at +20°C ♦
- Heating Capacity 3,000 Watts on 480 VAC ♦
- Recirculating Flow/Pressure 6 Gpm up to 140 Psi ♦
- Stainless Steel Reservoir 10 Gallons, Sealable ♦
- Recirculating Fluid PAO, Royco 602 ♦
- Recirculating Supply/
Return Fittings 1 1/2" SS Female NPT ♦
- Facilities Requirements Up to 15 Gpm at 70°F inlet,
20 Psi ΔP
- Facilities Supply/
Return Fittings 1 1/2" SS Female NPT
- Nitrogen Purge Fitting 1/4" SS Compression
- Electrical Service 440/480 VAC, 60 Hz, 3 phase,
70 amp service
- Ambient Conditions 10°F to 120°F (-12°C to +49°C)
- Dimensions 55" H x 50" W x 80" D
- Warranty 12 Months, Parts and Labor
- Refrigeration 15 Hp Semi-hermetically sealed
compressor, 30 lbs. R-507 refrigerant,
refrigerant high and low pressure switches
- Condenser A brazed plate heat exchanger is used,
a refrigerant pressure actuated water flow
control automatically adjusts water usage
- Recirculation ♦ 5 Hp Stainless steel canned-motor turbine
turbine pumps powered by variable
frequency drives (VFD's) to provide
adjustable output flow and pressure
- Safety Interlocks ♦ Reservoir low level and empty float switches,
turbine fluid flowmeters, over-temp switches



- Controller Opdax 202 PID controller with 5.7
inch color graphic touch-screen
display that provides fully
proportional cooling and heating
with the Mydax patented
refrigeration circuit.
- Interfacing/
Remote
Control RS-232 for Remote control and
monitoring, relay contacts for Run
and Alarm status, equipped with a
second (remote) touch-screen
display for full system control from
as far away as 100 feet
- Construction Welded steel frame with
aluminum side panels, frame
and panels are powder coated
for durability, mounted on
I-beam supports, outdoor-rated
with the the electrical panel and
all local controlling circuitry
installed in a NEMA 4 watertight
enclosure
- Safety
Standards Refrigeration Standard ARI
590-2, National Electrical Code
NFPA-70, Electrical Standard
for Industrial Machinery
NFPA-79



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