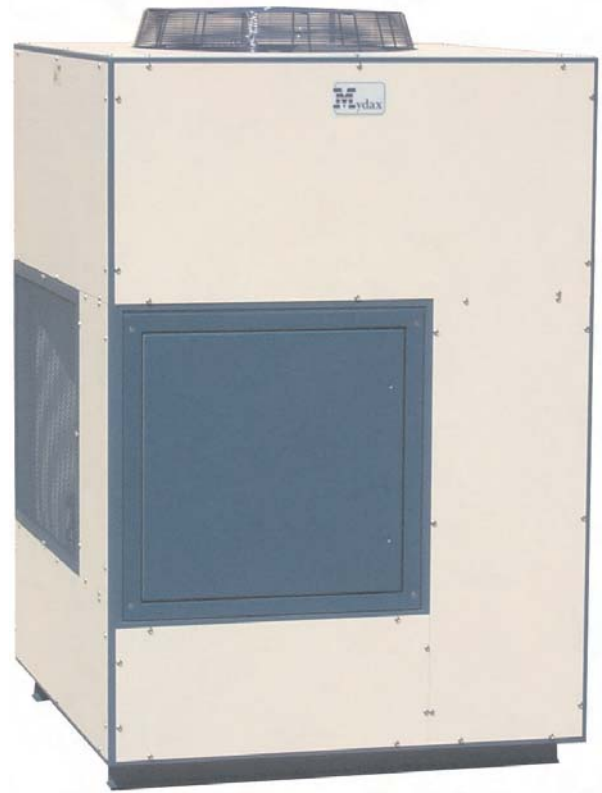


## 1M30A-OD and 1M30AS-OD Outdoor Rated Air Cooled Chiller

### Specifications:

- **Net Cooling Capacity:** 8,798 Watts, 30,000 Btu/hr  
*Rating Conditions:* Fluid outlet: +16°C (61°F)  
Ambient Air: +49°C (120°F)
- **Fluid Adjust Range** +4.5°C to +21°C (40°F to 70°F)
- **Temperature Stability** ± 0.5°C (±0.9°F)
- **Recirculating Flow/Pressure** up to 4 Gpm @ up to 40 Psi
- **Stainless Steel Reservoir** 20 Gallons
- **Recirculating Fluid** 50/50 Water/Propylene Glycol
- **Recirculating Supply/  
Return Fittings** 1.0" Stainless Steel FPT
- **Condenser Air Flow** 5,000 CFM directed up
- **Ambient Use Range** -28°C to +49°C  
(-20°F to +120°F)
- **Electrical Service** 208/240 VAC, 60 Hz, 3 phase,  
30 amperes service
- **Physical Parameters** 63"Height x 45"Wide x 48"D deep  
850 pounds dry weight
- **OEM Warranty 14 months, Parts and Labor at installation site**

<b>Refrigerant:</b>	Ozone safe HFC type R-134A
<b>Compressor:</b>	4.5 HP Hermetically sealed within built-in Suction Accumulator.
<b>Condenser:</b>	Single Fan unit that uses a three phase variable frequency drive (VFD) to maintain a constant head pressure over the full ambient temperature range.
<b>Pump:</b>	<i>1M30A-OD:</i> A leak free seal-less stainless steel centrifugal pump is vertically mounted in tank. <i>1M30AS-OD:</i> Stainless Steel centrifugal horizontal mounted with a mechanical seal.
<b>Safety Interlocks:</b>	Reservoir empty float switch, refrigerant high and low pressure switches, rotary fluid flowmeter, over-temp switches.



### Features:

The chiller comes complete with our patented\* microprocessor-controlled, low-stress refrigeration system, circulating pump and fluid reservoir. This chiller is outdoor rated with the control panel and all electronics mounted inside a NEMA 4 enclosure. The refrigeration circuit uses all-brazed construction. The heavy duty frame is constructed of welded steel tubing mounted on I-beam supports. The outer panels are 0.09" aluminum. The frame and panels are powder coated for durability. Also standard is an extensive monitoring capability, which includes a self-diagnostic display panel/keyboard. The chiller includes an RS-232C computer interface for remote control and monitoring of all functions.

This chiller system is ETL Listed to the **UL 1995 Heating and Cooling Equipment Standards.** **CE mark is available.**

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

*If you have questions regarding a specific application of this product or require information on any other Mydax products, please call us.*

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**Interior View:** The blue Maneurope compressor is located in the lower right. All plumbing is insulated with closed cell foam neoprene.



The fully enclosed and gasket sealed NEMA 4 rated electrical box.



**Interior View:** The vertically mounted seal-less centrifugal pump of the 1M30A-OD is mounted on top of the tank. The tank fill port is behind a hinged screened door for easy access.



Cabinet Heater inside NEMA 4 electrical box. This heats the electrical components for starting on very cold days.



View of the bulkhead interface: fluid Input/Output, tank drain, flow adjustment, pressure gauge, interlock interface box and main power connections box.