



FLUID CHILLERS, INC.

SOLUTIONS FOR LIQUID COOLING



MODEL: AIR1000

Standard Chiller Specifications

Model Number	AIR1000
Capacity	12,000 BTU's/hr
Inlet/Outlet Piping	1/2" NPT
Pump Specs	4 GPM at 50 PSI
Voltage/Phase	230/1 or 460/3
Rated Load Amps	14A@230/1
Dimensions	24"L x 30"W x 30"H
Weight	225 lbs (approx.)

Standard Chiller Features

- Rated at ambient temperatures from 35° F to 100° F
- Hermetically sealed compressor
- Continuous duty, non-ferrous pump, 4 GPM at 50 PSI (other pumps available)
- Non-ferrous piping system
- Submersed copper coil evaporator
- Stainless steel tank with fully welded stainless steel couplers (12 gallon capacity)
- Environmentally acceptable R134a refrigerant
- Powder-coated steel cabinet (stainless steel is also available)
- Available voltages: 230/1, 230/3, 460/3 (others available upon request)
- Twist-lock plug
- Mounted on casters (feet option available)

1-800-CHILLER

www.fluidchillers.com | 1-517-484-9190 | 2730 Alpha Access Drive | Lansing, MI 48910



MODEL AIR1000 SPECIFICATION SHEET

Chiller:

Air cooled stand alone chiller designed for indoor operation. Capacity is 12,000 BTU's/hr at rated conditions. Set up for ambient temperatures 35° F to 100° F (for higher or lower ambient conditions please consult factory).

Compressor/Condensing Unit: *Copeland Condensing Unit*

Fluid Chillers has determined this to be the most energy efficient and reliable in this size.

Pump:

This chiller is equipped with a continuous duty, non-ferrous pump. Set up to deliver 4GPM at 50 PSI. The fluid types are to be water or water/glycol (for other fluids consult factory). Output pressure gauge is standard.

Evaporator:

Submersed copper coil continuously formed. This has proven itself to be the most reliable design in the industry. It is less susceptible to freezing and fluid contaminations.

Reservoir: *(12 Gallon Capacity)*

Stainless steel tank with fully welded stainless steel couplers; it will include: drain, sight glass, and manual fill tube. The sight glass is easily visible from the exterior of the chiller.

Electrical:

- Available as 230/1/50-60Hz, 230/3/50-60Hz, 460/3/50-60Hz (others available)
- On/Off
- RLA= 14 Amps@ 230/1

Refrigeration:

- This series of chillers is totally self-contained and requires only a power connection
- High side filter drier
- Thermostatic expansion valve
- Liquid line sight glass
- High and low side pressure switches
- Full refrigerant charge
- Environmentally friendly R-134A

Included Features:

- Unit comes on 4 casters for easy mobility
- Comes standard with a Ranco microprocessor temperature controller with LCD display
- Dimensions and Footprint:
 - 24"L x 30"W x 30"H
 - Dry weight = 225 lbs (approx)
 - ½" NPT, stainless steel inlet/outlet connections

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