

Affinity® Thermal Control Products from Lydall

Lydall Affinity® thermal control solutions are designed and built to your manufacturing specifications and are focused on reducing energy consumption. High-performance refrigerated and non-refrigerated chillers and heating systems in compact, modular and user-friendly designs, deliver process temperature ranges of -80°C to +200°C.

Innovative, modular design.

Reliable performance.

Flexible applications.

# F-Series *Air-Cooled Chiller*

## System Features:

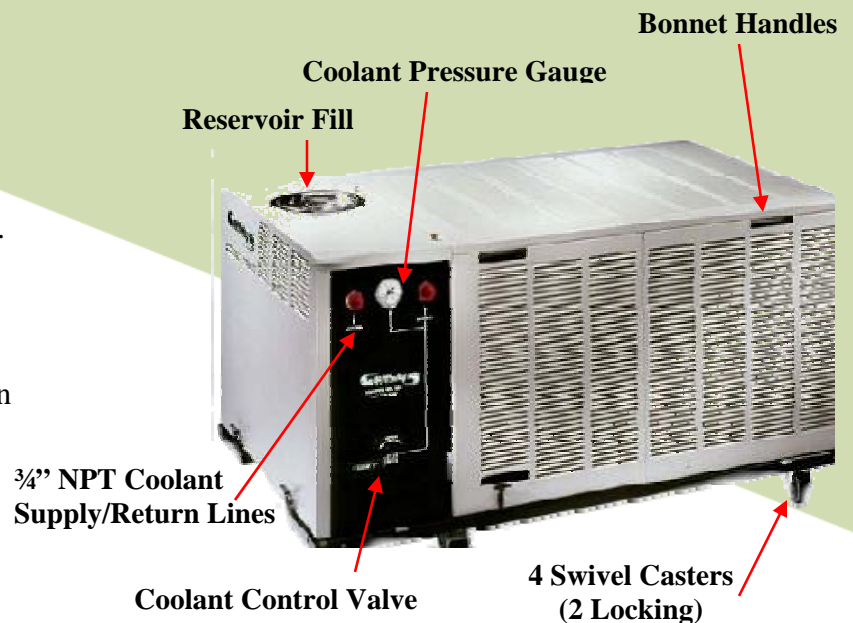
- No facility water hook-up required
- Easy to install (Plug & Play)

## Available Options:

- Air-cooled or water-cooled heat rejection
- Alternative coolant temperature ranges
- Many electrical configurations
- Open reservoir system
- Various interlocks for flow, level, temp, etc.  
Choice of DB-25 or 4-pin configurations
- Coolant loop filter packages
- Stainless, engineered plastics, nickel only on wetted surfaces
- Adjustable low flow switch
- Quick connect external hose packages



Now you have a choice.



[www.lydallaffinity.com](http://www.lydallaffinity.com)

## System Performance Characteristics

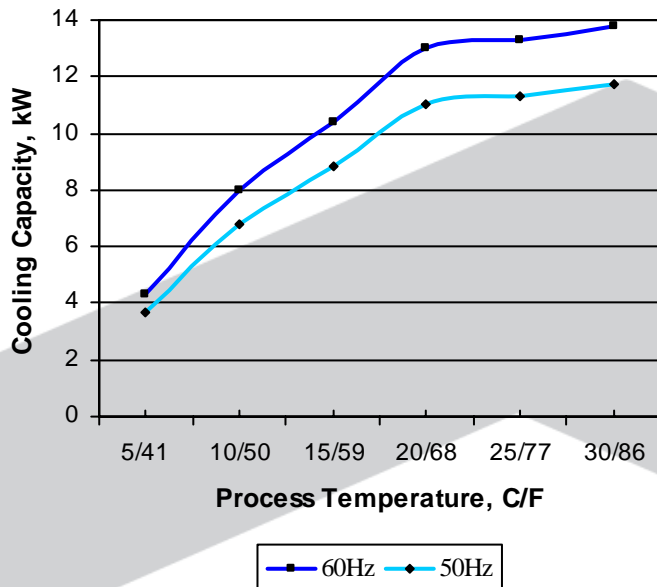
Model Nomenclature	FAA-032L-DD01CAD4
MET Listed	Yes
CE Marked	Yes
Weight	525 LBS.
Dimensions	45.5" L x 27" W x 25" H
Ambient Temperature Range	41° F - 95° F (5° C - 35° C)
Process Temperature Range	39° F - 86° F (4° C - 30° C)
Nominal Heat Removal	9.8 kW @ 20°C
Pump Performance	10 gpm @ 55 psi
Electrical Configuration:	
Voltage @ 60 Hz	460 Volts +/- 10%
Voltage @ 50 Hz	380 Volts +/- 10%
Phase	3
Total Amps	9.8
Maximum Fuse Disconnect (required of customer)	15
Power Cord Supplied	Nema, 16-20
Refrigerant	R-407C

**Notes:**

Data @ 30°C/86°F unrestricted ambient air for air-cooled chillers.  
Capacities decrease with increasing ambient temperature.

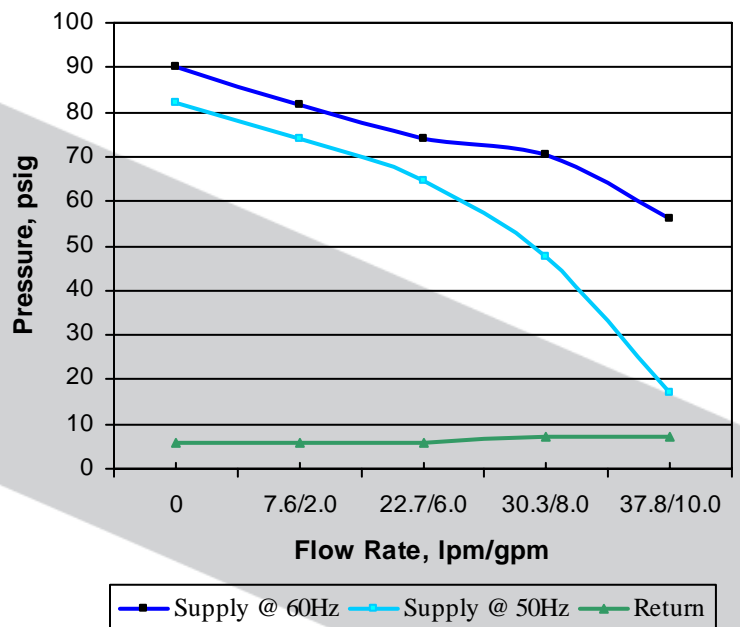
### Cooling Capacity

KiloWatts vs. Process Temperature



### Pump Performance

Coolant pressure versus flow rate



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