

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.

R-Series *Air-Cooled Chiller*

System Features:

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

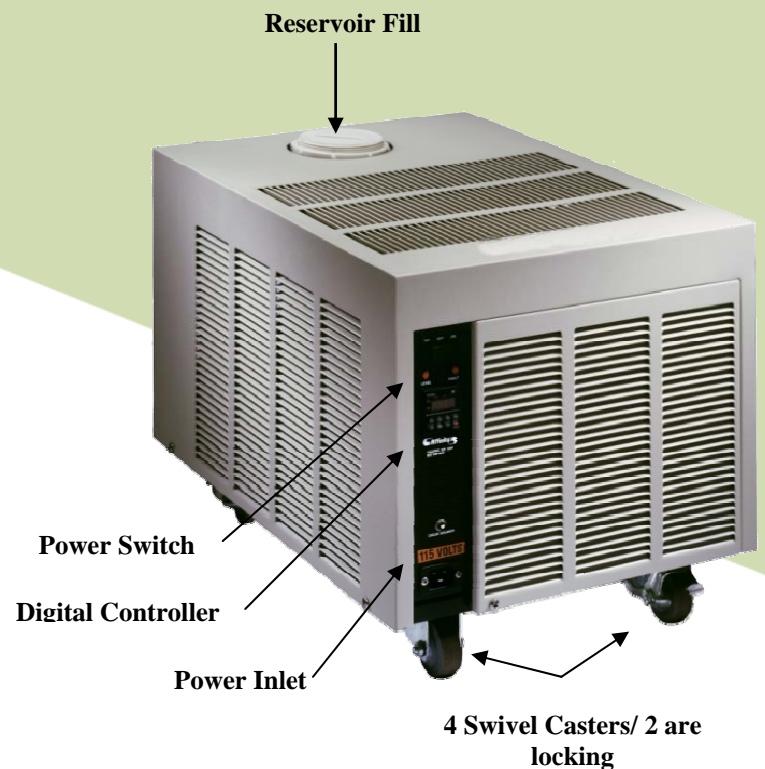
Available Options:

- Air-cooled or water-cooled heat rejection
- Alternative coolant temperature ranges
- Many electrical configurations
- Various pumps available
- Open reservoir system
- RS-485 & RS-232 communications
- WinChill Control Software
- Various interlocks for flow, level, temp, etc.
- Choice of DB-25 or 4-pin configurations
- Internal or external coolant loop deionizing cartridges & sensors
- Coolant loop filter packages
- Stainless, engineered plastics, nickel only on wetted surfaces
- Adjustable low flow switch
- Quick connect external hose packages

Not all options available on all models.



Now you have a choice.



System Performance Characteristics

Model Nomenclature	RAA-003B-CE01CBD3
CE Marked	Yes
MET Listed	Yes
Weight	175 LBS.
Dimensions	27"L x 19"W x 18"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	1 kW
Pump Performance @ 60 Hz	4 gpm @ 30 psi
Electrical Configuration:	
Voltage @ 60 Hz	115 Volts +/- 10%
Voltage @ 50 Hz	100 Volts +/- 10%
Phase	1
Total Amps	14.5
Maximum Fuse Disconnect (required of customer)	15
Power Cord Supplied	Nema, 5-15
Refrigerant	R-134a

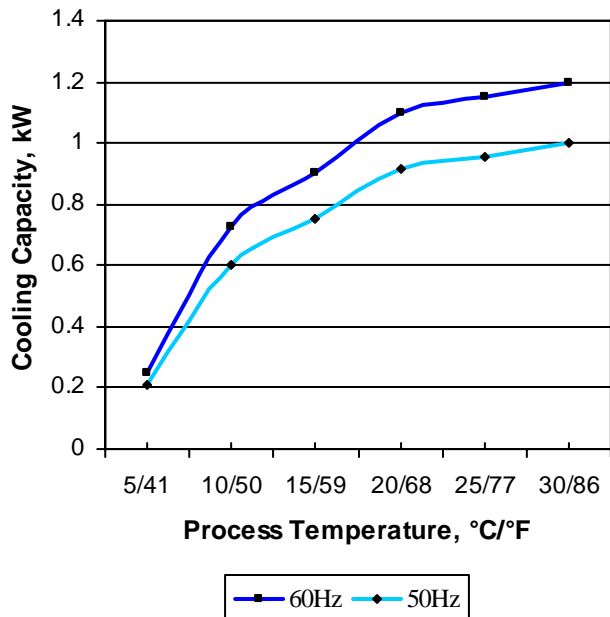
Notes:

Data @ 30°C/86°F unrestricted ambient air for air-cooled chillers.

Capacities decrease with increasing ambient temperature.

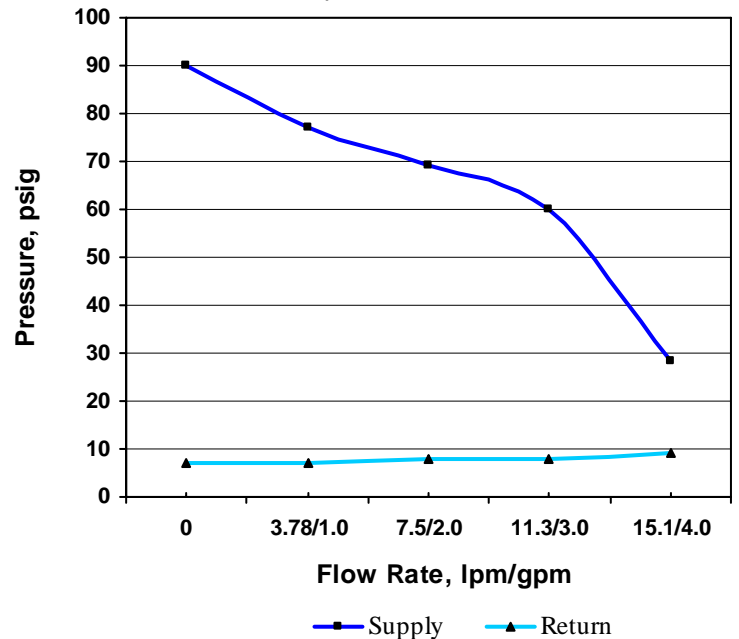
Cooling Capacity

KiloWatts vs. Process Temperature



Pump Performance @ 60 Hz

Coolant pressure versus flow rate



Now you have a choice.

Lydall Industrial Thermal Solutions, Inc.

E-mail: affinity_sales@lydall.com

Tel: (603) 539-3600

All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. Since industry practices vary, we make no warranty, express or implied, concerning their use, nor do we accept responsibility for any misapplications or these products or their use under any conditions.