

*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
- 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

**Not all options available on all models.**



**Now you have a choice.**

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

## System Performance Characteristics

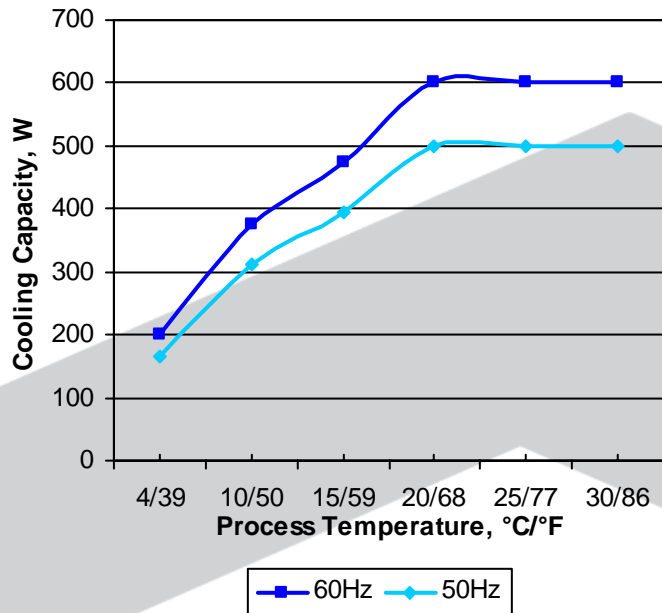
Model Nomenclature	RAA-002B-BE30CBC3
CE Marked	Yes
Weight	125 LBS
Dimensions	20" L X 17" W X 11.125" H
Ambient Temperature Range	41° F - 86° F (5° C - 30° C)
Process Temperature Range	39° F - 86° F (4° C - 30° C)
Nominal Heat Removal	600 W @ 68° F (20° C)
Pump Performance @ 50 Hz	1 gpm @ 10 psi
Electrical Configuration:	
Voltage @ 60 Hz	115 Volts +/- 10%
Voltage @ 50 Hz	100 Volts +/- 10%
Phase	1
Total Amps	6.3
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.

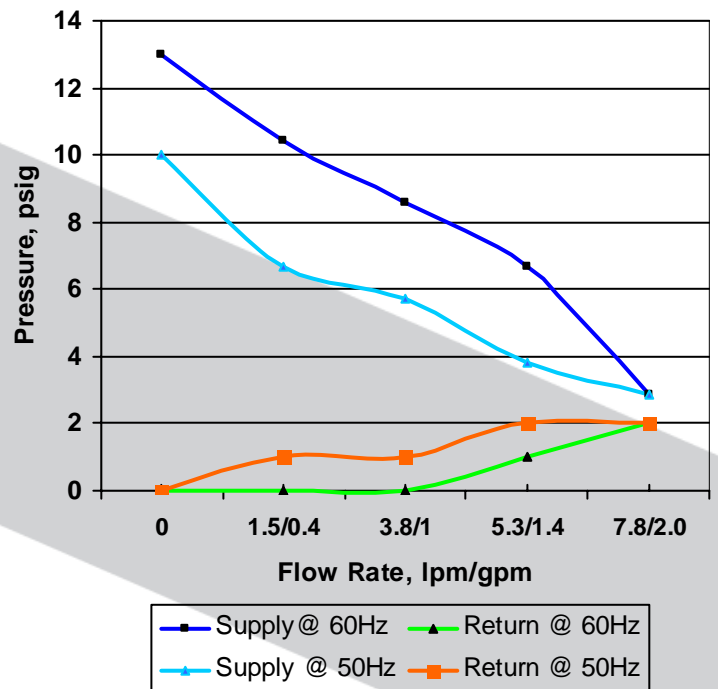
### Cooling Capacity

Watts vs. Process Temperature



### Pump Performance

Coolant pressure versus flow rate



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