

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

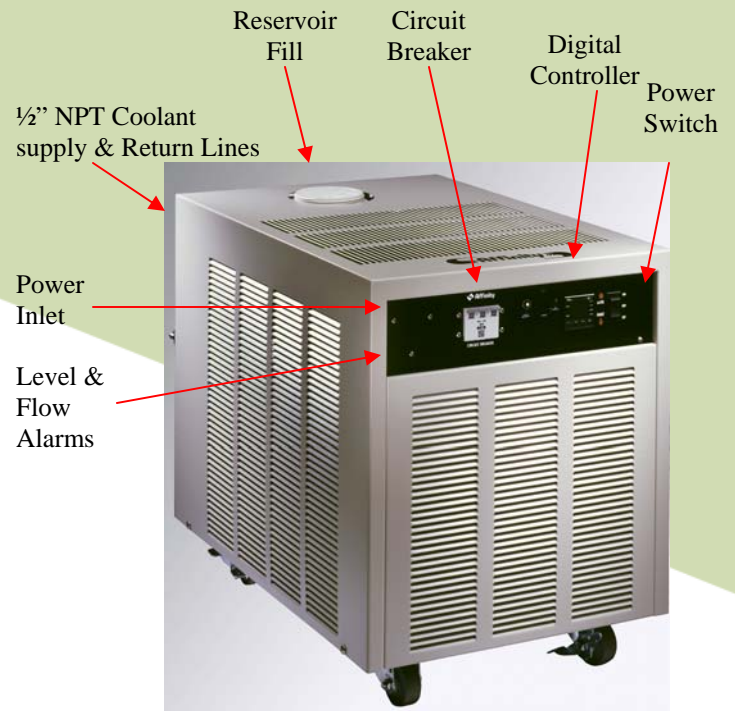
Features

- 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.

www.lydallaffinity.com

System Performance Characteristics

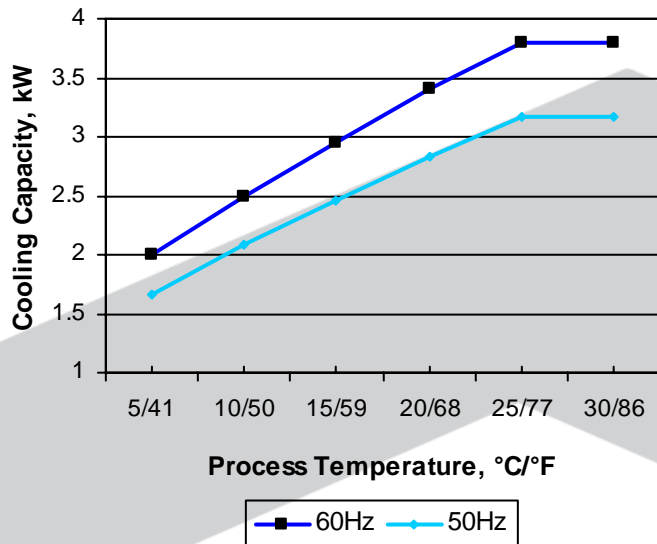
Model Nomenclature	RAA-012K-CE55CBC4
CE Marked	Yes
Weight	240 lbs.
Dimensions	27" L X 19" W X 24" H
Ambient Temperature Range	41°F - 95°F (5°C - 35°C)
Process Temperature Range	39°F - 86°F (4°C - 30°C)
Nominal Heat Removal	3.4 kW
Pump Performance @ 60 Hz	1 gpm @ 95 psi
Electrical Configuration:	
Voltage @ 60 Hz	208 - 230 Volts +/- 10%
Voltage @ 50 Hz	200 - 220 Volts +/- 10%
Phase	3
Total Amps	9.1
Maximum Fuse Disconnect (required of customer)	15
Power Cord Supplied	Nema, 15-20
Refrigerant	R-407C

Notes:

Data at 30°C unrestricted ambient air for air-cooled chillers.
Capacities decrease with increasing ambient temperature.

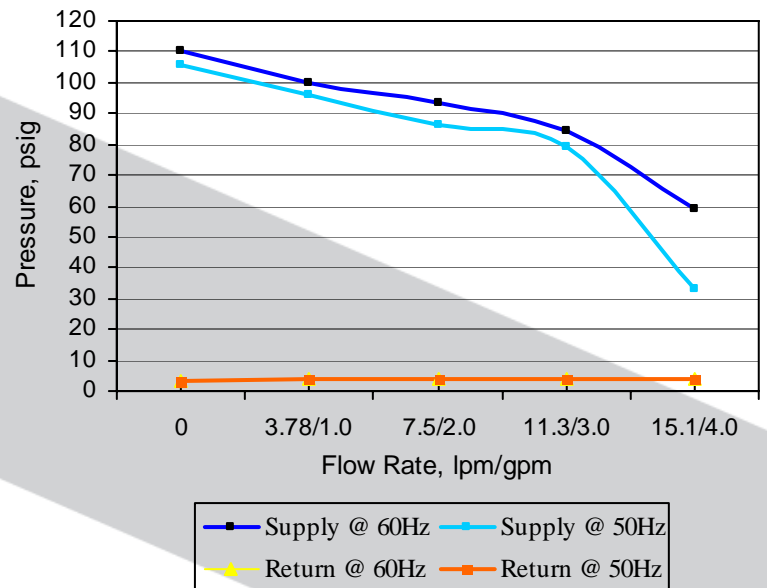
Cooling Capacity

KiloWatts vs. Process Temperature



Pump Performance

Coolant pressure versus flow rate



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