

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.

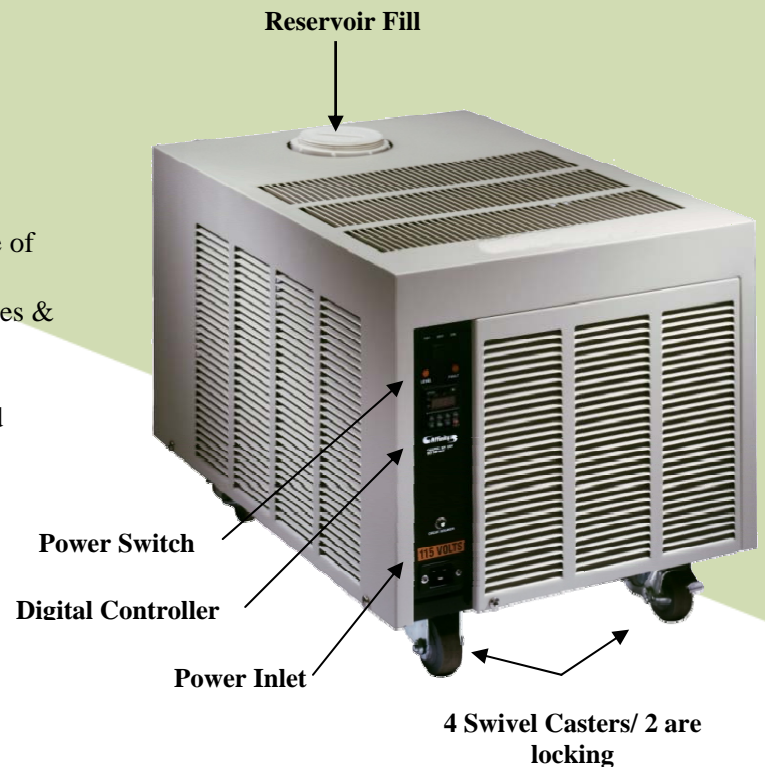
R-Series — Water Cooled Chiller

Features:

- 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



Now you have a choice.

www.lydallaffinity.com

System Performance Characteristics

Model Nomenclature	RWA-012T-BE58CBD4
CE Marked	Yes
MET Listed	Yes
Weight	230 lbs.
Dimensions	27"L x 19"W x 18"H
Ambient Temperature Range	41° F - 104° F (5° C - 40° C)
Process Temperature Range	39° F - 86° F (4° C - 30° C)
Nominal Heat Removal	5 kW
Pump Performance @ 60 Hz	4 gpm @ 45 psi, 100 psi maximum
Electrical Configuration:	
Voltage @ 60 Hz	208 – 230 Volts +/- 10%
Voltage @ 50 Hz	200 Volts +/- 10%
Phase	1
Total Amps	10.2
Maximum Fuse Disconnect (required of customer)	15
Power Cord Supplied	Nema, 6-15
Refrigerant	R-407C

Notes:

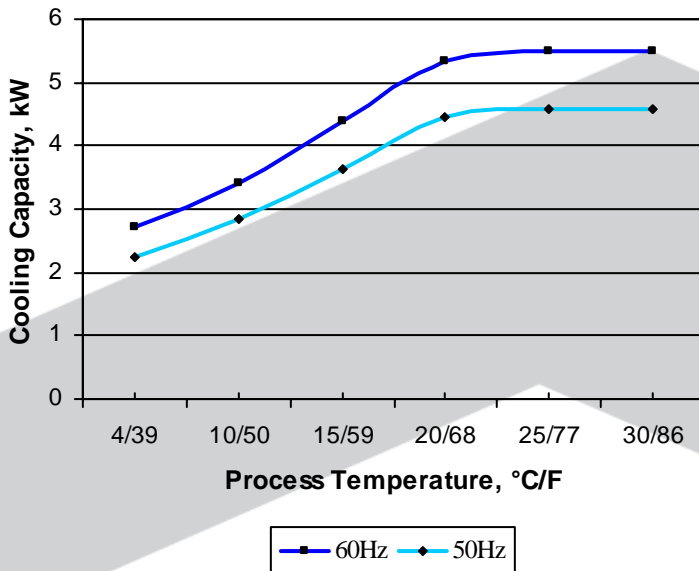
Data for water as a coolant.

Data at 25°C plant water-water-cooled chillers. Designed for indoor use between 5°C - 40°C ambient air.

Capacities decrease with increasing plant water temperature.

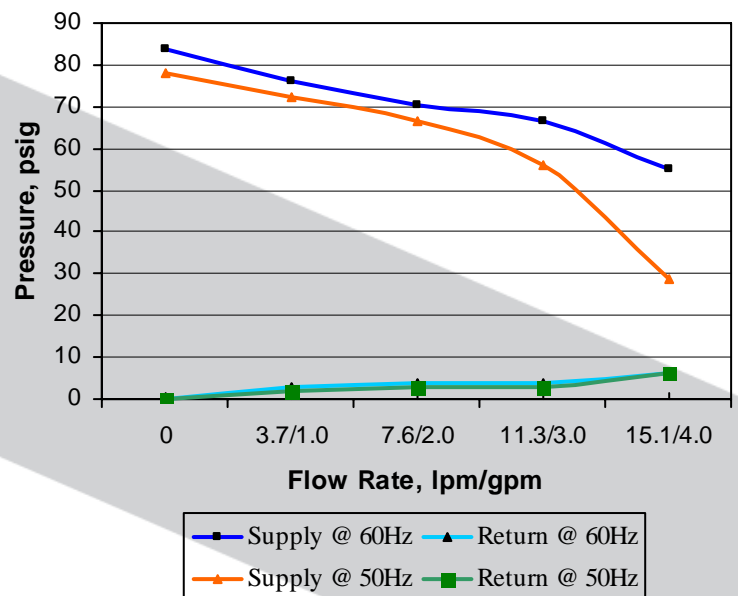
Cooling Capacity

KiloWatts vs. Process Temperature



Pump Performance

Coolant pressure versus flow rate



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