

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.

P-Series — Air Cooled Chiller

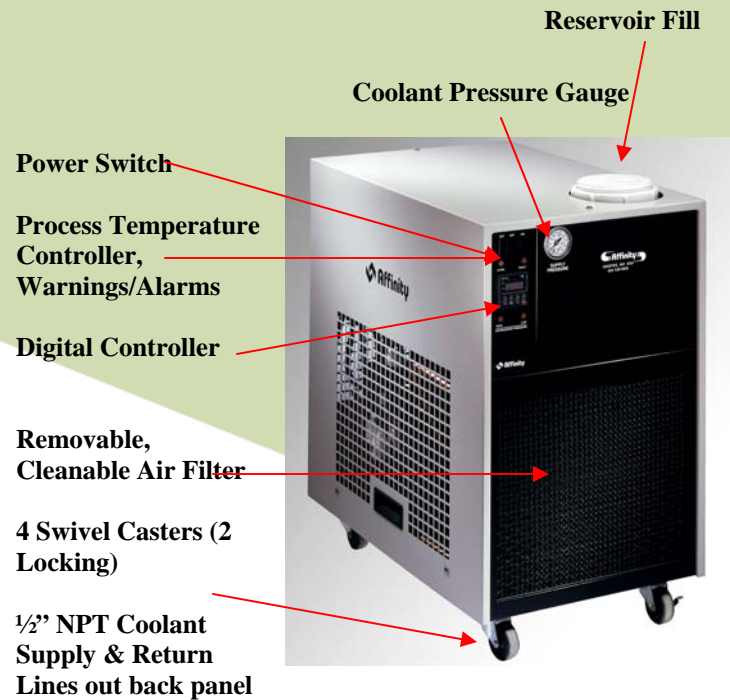
Available Options:

- 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 configuration
- 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

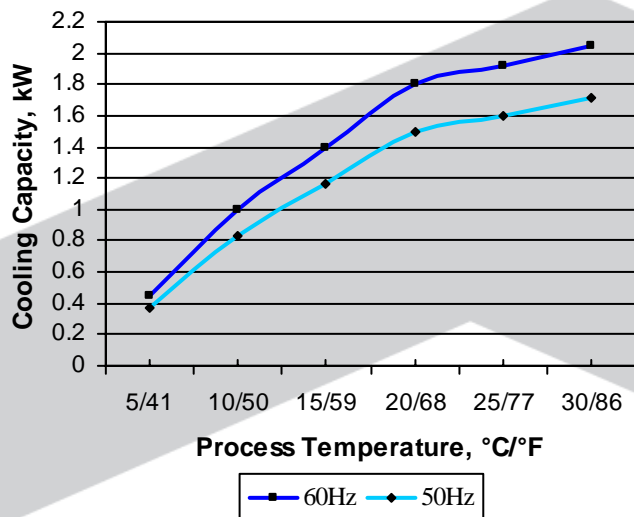
Model Nomenclature	PAA-005B-CE50CBD3
CE Marked	Yes
MET Listed	Yes
Weight	175 lbs.
Dimensions	22.5" L X 14.5" W X 24.5" H
Ambient Temperature Range	41° F - 95° F (5° C - 35° C)
Process Temperature Range	39° F - 86° F (4° C - 30° C)
Nominal Heat Removal	1.8 kW @ 20° C
Pump Performance @ 60 Hz	3 gpm @ 40 psi
Electrical Configuration:	
Voltage @ 60 Hz	115 Volts +/- 10%
Voltage @ 50 Hz	100 Volts +/- 10%
Phase	1
Total Amps	18.3
Maximum Fuse Disconnect (required of customer)	30
Power Cord Supplied	Nema, 5-30
Refrigerant	R-134a

Notes:

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

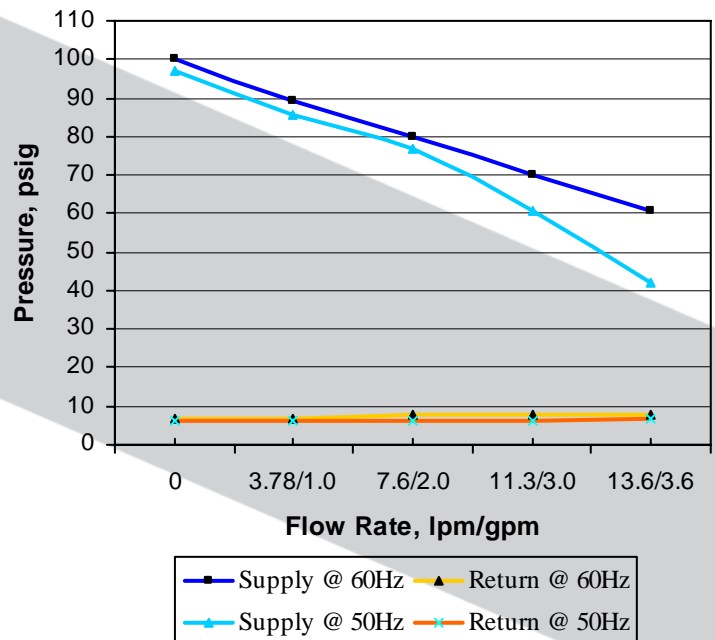
Cooling Capacity

KiloWatts vs. Process Temperature



Pump Performance

Coolant pressure versus flow rate



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