

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.

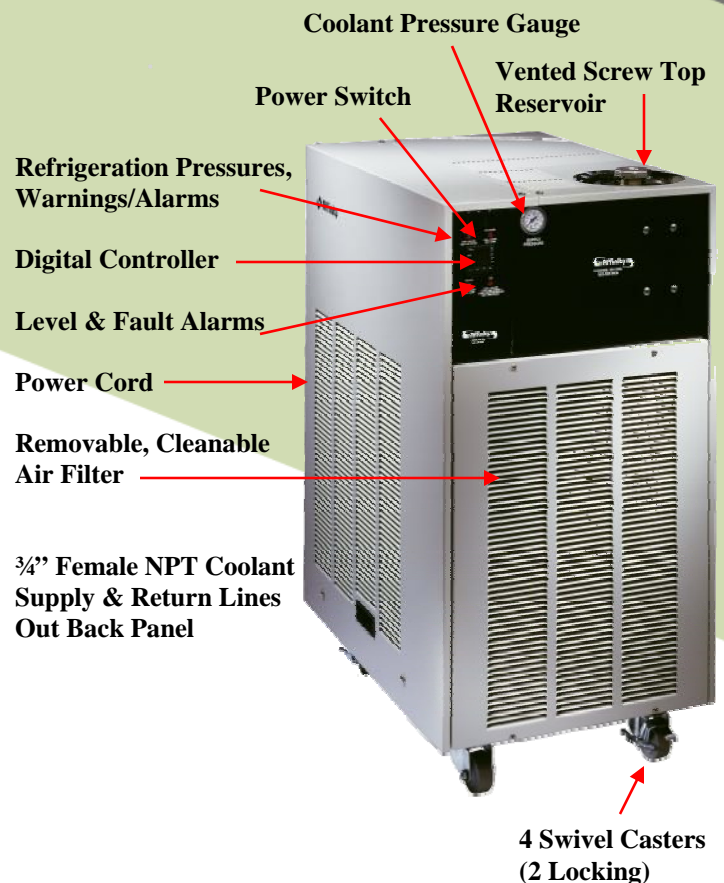
Flexible applications.

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 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	PAE-020K-BE38CBS4
MET Listed	Yes
CE Marked	Yes
Weight	400 lbs.
Dimensions	27.625"L x 19.125"W x 36.75"H
Ambient Temperature Range	41° F – 95° F (5° C – 35° C)
Process Temperature Range	39° F – 194° F (4° C – 90° C)
Nominal Heat Removal	6 kW @ 68°F (20°C)
Pump Performance @ 60 Hz	6 gpm @ 30 psi
Electrical Configuration:	
Voltage @ 60 Hz	208 – 230 Volts +/- 10%
Voltage @ 50 Hz	200 – 220 Volts +/- 10%
Phase	3
Total Amps	31.6
Maximum Fuse Disconnect (required of customer)	40
Power Cord Supplied	Nema, L16-20
Refrigerant	R-407C

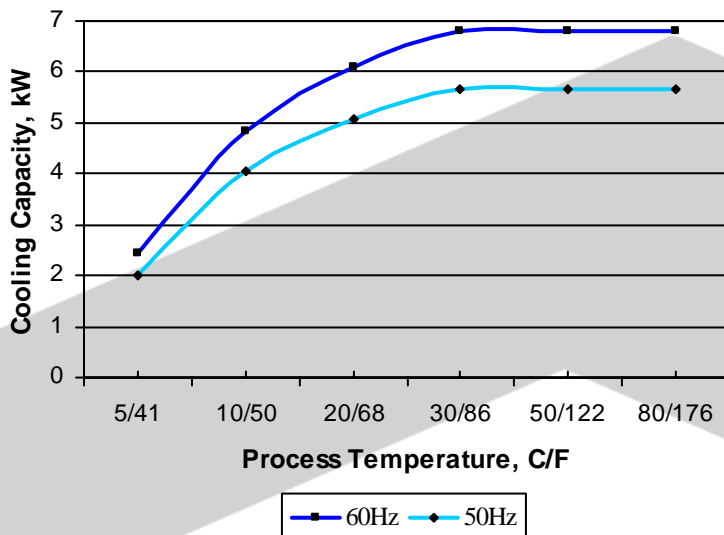
Notes:

Data @ 35°C/95°F unrestricted ambient air for air-cooled chillers.

Capacities decrease with increasing ambient temperature.

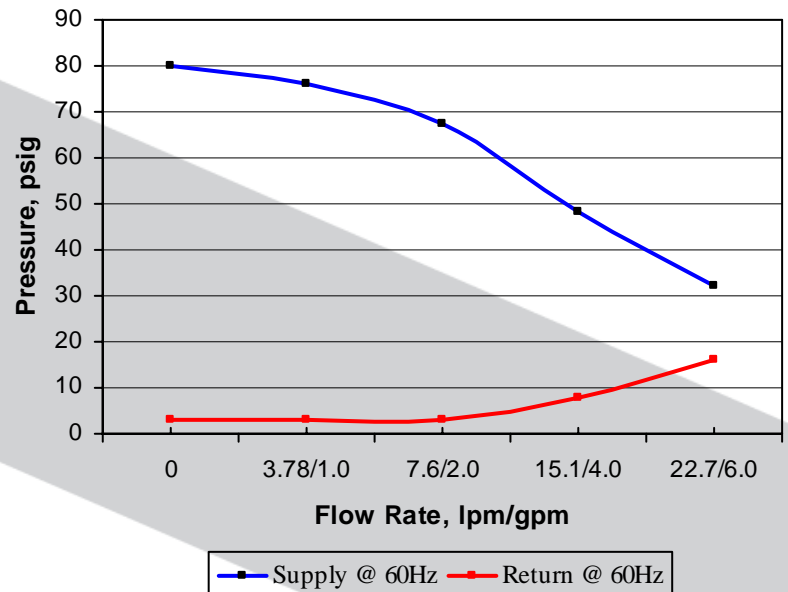
Cooling Capacity

KiloWatts vs. Process Temperature



Pump Performance

Coolant pressure versus flow rate



Now you have a choice.