

Affinity® Thermal Control Products from Lytron

Lytron 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.

Worldwide Technical Support

P-Series Water-Cooled Chiller

www.affinitychillers.com

System Features

- EMO with Interlock
- Seismic Brackets
- Reservoir Level Visual Indicator
- Reservoir Sized for Expansion of Fluid
- Audible and Visual Indicators;
 - Low Level Warning
 - Low Level Shutdown
 - Low Flow Fault
 - Low Refrigerant Level
 - Low Refrigerant Pressure
 - High Refrigerant Pressure Warning
 - High Refrigerant Pressure Shutdown
- Integrated Drip Tray with Level Sensor
- Swivel Casters with 2 Locking
- Integrated Facility Water Strainer with Cleanout Port and Pressure Gauges
- Electric Process Heater
- Easy to install (Plug & Play)
 - All connections on rear panel
- RS232 Communications
- Remote Set Point
- Phase Reversal Relay
- Built to SEMI S2
- Facility Water Temperature Safety



LYTRON®

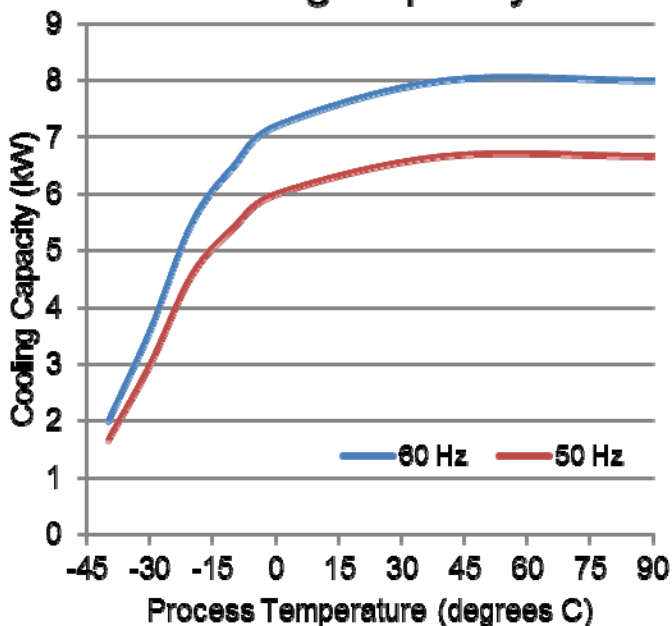
Affinity® Thermal Systems

System Performance Characteristics

| | |
|----------------------------|--|
| Model Nomenclature | PWG-060K-BE44CBD2 |
| Part Number | 900-50222-000 |
| MET Listed to UL1995 | Yes |
| CE Marked | Yes |
| Weight | 575 lbs, shipping weight |
| Dimensions (l, w, h) (in) | 29.0, 19.25, 45.75 |
| (cm) | 73.7, 48.9, 116.2 |
| Ambient Temperature Range | 41° F - 104° F (5° C - 40° C) |
| Process Temperature Range | -40° F - 194° F (-40° C - 90° C) |
| Communications | RS232 |
| Nominal Cooling Capacity | 2 kW @ -40°F |
| Nominal Process Heater | 2 kW at 240 Volt |
| Pump Performance | 3.5 gpm (13.2 lpm) @ 55 psi (3.8 bar), 60 Hz |
| Process Fluid | HFE 7500 |
| Process Fluid Connections | ½" Swagelok |
| Facility Water Connections | ¾" Female NPT |
| Electrical Configuration: | |
| Voltage @ 60 Hz | 208-230 Volts +/- 10% |
| Voltage @ 50 Hz | 200-220 Volts +/- 10% |
| Phase | 3 |
| Total Amps | 37.2 |
| Maximum Fuse Disconnect | 60 Amp (required of customer) |
| Refrigerant | R-507 |

Notes: Data @ 30°C/86°F unrestricted ambient air for air-cooled chillers.
 Capacities decrease with increasing ambient temperature.
 Data performed with HFE 7500 as the process fluid.

Cooling Capacity



System Flow

