

LLX-7000 Liquid-to-Liquid Cooling System



Koolance's LLX-7000 is designed for heat loads up to 7000W where facility water or a chilled source is available. It contains a large stainless steel coolant reservoir and plate heat exchanger. The internal coolant pump outputs up to 9.1LPM (2.4GPM).

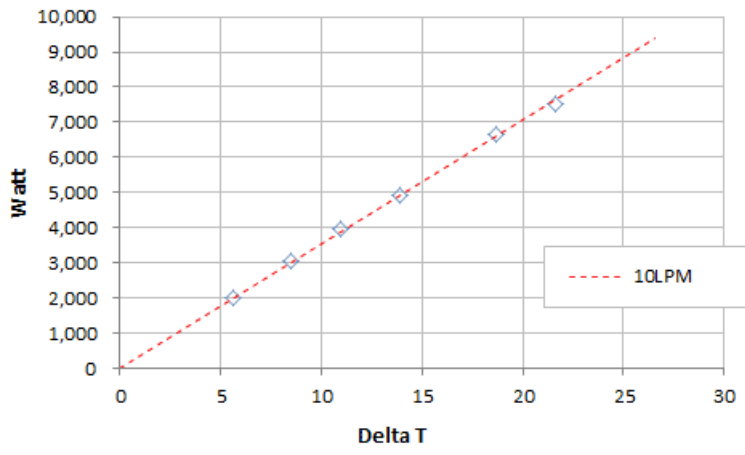
LLX-7000 monitors coolant flow rate, temperature, and reservoir level. A USB port is integrated for viewing and logging of temperature and sensor data using the [Koolance System Monitor](#) application.

Connections to the unit are made with Koolance QD4 and QD4H auto-shutoff quick disconnect fittings. Fittings for 13mm x 19mm (1/2in x 3/4in) tubing are included. NPT threads and [other versions](#) are available from Koolance.

- Heat Transfer: 7kW (23,885 BTU/hr) @10LPM facility water, with 20°C delta between liquids
- Temperature options: display °C/°F of reservoir liquid, and up to two K-type thermocouples (not included)
- Pump: 10 manual levels, up to 9.1LPM (2.4GPM)
- Select only values you want displayed on the front 2-line OLED display (fixed or rotating)
- Show coolant flow rate in LPM/GPM
- Show pump impeller speed in RPM
- Enable audio alarm based on: temperature, flow rate, and/or reservoir coolant level
- Enable relay trigger (NO or NC) based on: temperature, flow rate, and/or reservoir coolant level
- Power input: 110/220VAC, 50-60Hz
- Max power consumption: 40W
- Reservoir capacity: 11.5L (389 fl oz)
- QD4 series quick disconnects used for coolant loop
- QD4H (high pressure) series quick disconnects used for facility loop

| General | |
|-------------------------------|--|
| Weight | 35.60 lb (16.15 kg) |
| Max Pressure Tolerance @ 25°C | Facility Loop: 8kgf/cm2 (114psi); Coolant Loop: 2kgf/cm2 (28.5psi) |
| Max Temperature Tolerance | 70°C (158°F) |
| Cooling Systems | |
| Cooling Capacity | 7kW (23,885 BTU/hr) @10LPM facility water (20°C dT) |
| Display Type | OLED |
| Max Flow Rate (10-13mm ID) | 9.1LPM (2.4GPM) |
| Max Power Consumption | 40W |
| Power Source | 110/220 VAC, 50-60Hz |
| Temperature Sensors | Liquid & Two K-Type Thermocouples (optional) |

LLX-7000 Thermal Performance



LLX-7000 Pump Output

