

**ALX-750-P400 Modular Liquid Cooling System
(Rev.3.0)**


ALX-750-P400 contains a one-fan copper/brass radiator, providing about 750W of cooling with a 25° C liquid-ambient delta. Coolant flow rate, temperature, and reservoir level are monitored, and a USB port allows control and logging of most features using the [Koolance System Monitor](#) application.

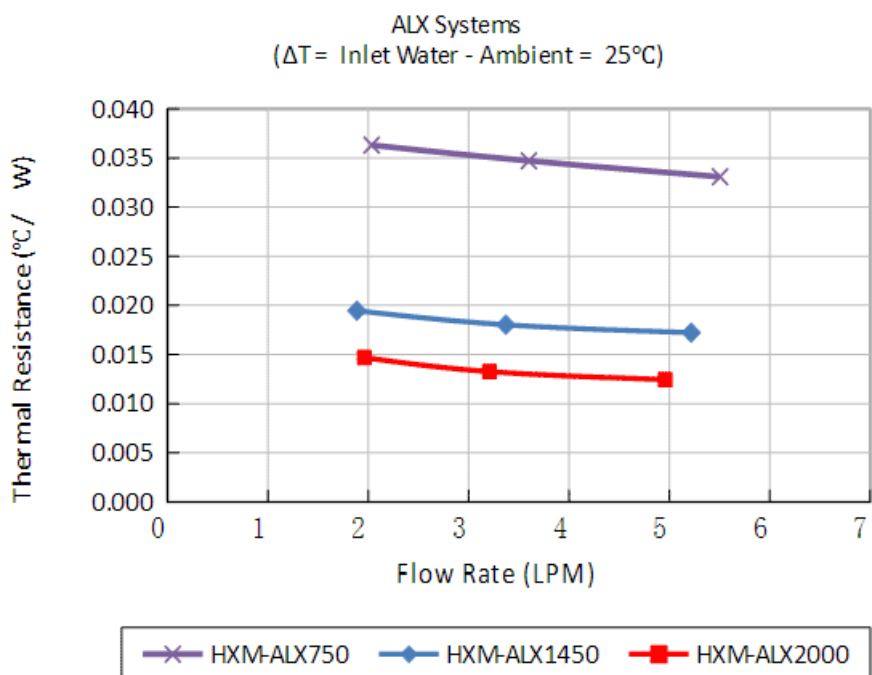
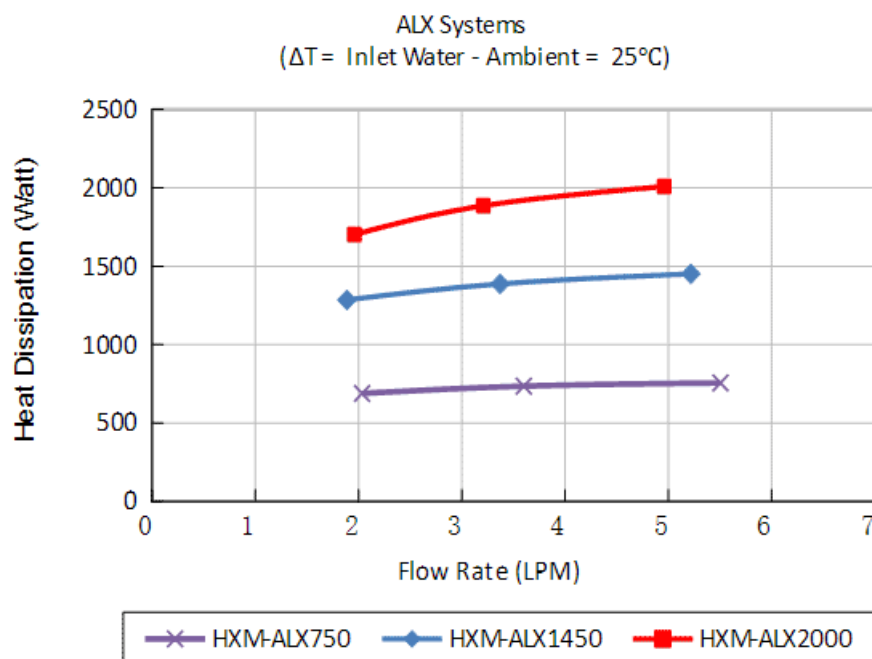
This version includes the RPM-ALX400 and HXM-ALX750 modules, which are quickly combined during installation. This allows for the [radiator to be changed](#) to another size if cooling requirements later change. The front "RPM" contains the pump, reservoir, electronics, and sensors. The rear "HXM" houses the heat exchanger, fans, and flow meter.

- Cooling capacity: 750W (2559BTU/hr) with 25° C liquid-ambient delta @ 5.5LPM
- Temperature in °C/°F with set-point based on: liquid, or one of two optional K-type thermocouples
- Pump: 10 manual levels, up to 5.5LPM (1.5GPM)
- 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
- Show radiator fan 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: 12VDC, 49W or higher
- Reservoir capacity: 600ml (20.3 fl oz)
- 1/4 NPT threads on back for fittings

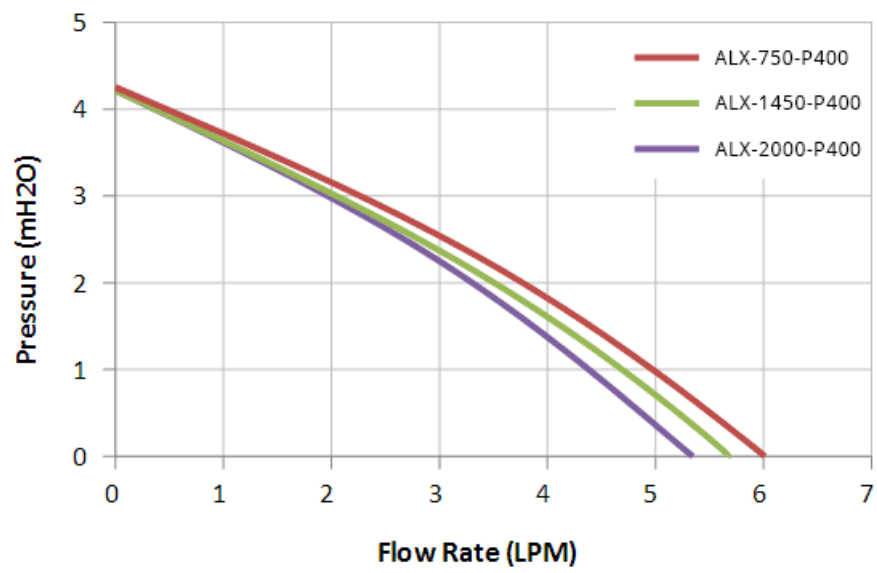
NOTE: Requires 12VDC input power. Koolance offers a separate [power supply](#) for AC wall outlet sources. Inlet/outlet fitting threads on rear of the cooling system are NPT 1/4-inch.

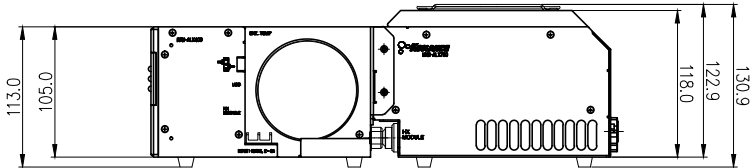
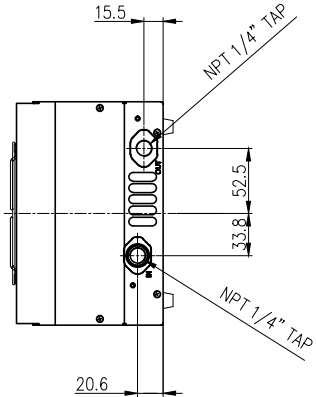
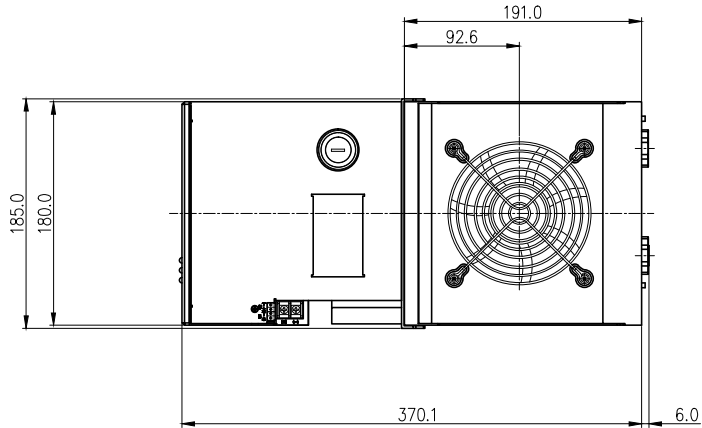
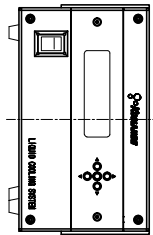
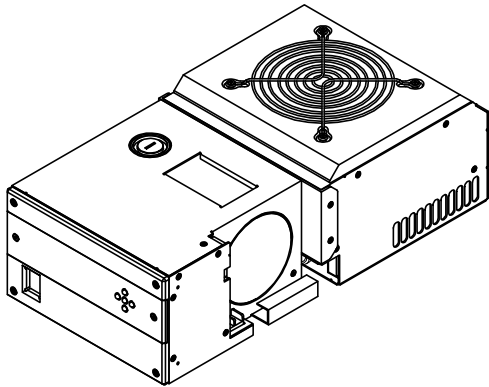
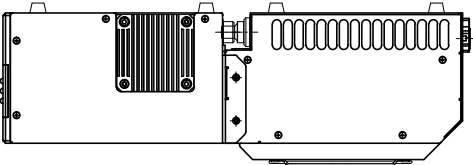
| General | |
|--|---|
| Weight | 8.00 lb (3.63 kg) |
| Fitting Thread | NPT 1/4 |
| Max Pressure Tolerance @ 25° C | 1.5kgf/cm2 (21.3psi) |
| Max Temperature Tolerance | 60° C (140° F) |
| Min Temperature Tolerance (*No Freezing) | -20° C (-4° F) |
| Noise (dBA) | 30-58 |
| Cooling Systems | |
| Cooling Capacity | 750W (2559BTU/hr) @ 25° C liquid-ambient (25° C dT) |
| Display Type | OLED |
| Max Flow Rate (10-13mm ID) | 5.5LPM (1.5GPM) |
| Max Power Consumption | 49W |
| Max Static Pressure (10-13mm ID) | 0.4kgf/cm2 (6psi) |


| General | |
|-----------------------|--|
| Power Source | 12 VDC |
| Radiator | Brass/Copper, 1 x 120mm fan |
| Temperature Sensors | Liquid & Two K-Type Thermocouples (optional) |
| Temperature Stability | +/-0.5°C |



ALX System Pump Output





| | | | | | | | | | | |
|--|--|-------------|----|----|----------|-----------|-----|-------------------|---------|------|
| NO. | | DISCRIPTION | | | | MATER'L | | QUANTITY | REMARKS | |
|  KOOLANCE® | | | | | | UNIT | MM | ITEM ALX-750-P400 | | |
| | | | | | | SCALE | N/S | TITLE | | |
| DATE | | BY | BY | BY | APPRO BY | 3RD ANGLE | | | Ass'y | |
| | | S.J.LEE | | | | CODE NO. | | DWG. NO. | | PAGE |
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