www.koolance.com

Specifications Sheet

Generated: 2026-11-06

P/N: ALX-2000-P400

ALX-2000-P400 Modular Liquid Cooling System (Rev.3.1)



ALX-2000-P400 contains a three-fan copper/brass radiator, providing about 2000W 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.

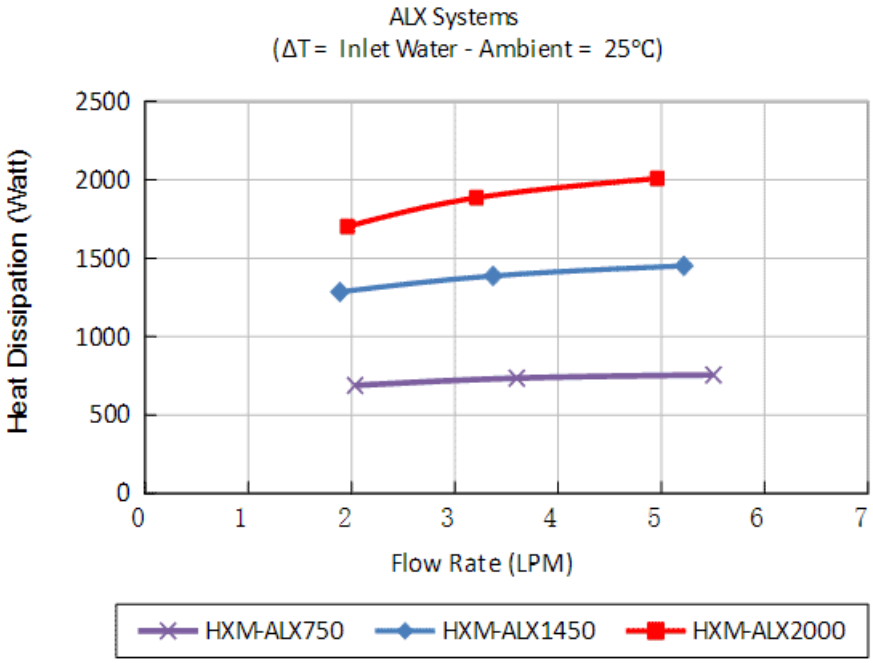
This version includes the RPM-ALX400 and HXM-ALX2000 modules, which are quickly combined during installation. This allows for the radiator to be changed to another size if cooling requirements later change. The front "RPM" contains the pump, reservoir, electronics, and sensors. The rear "HXM" houses the heat exchanger, fans, and flow meter.

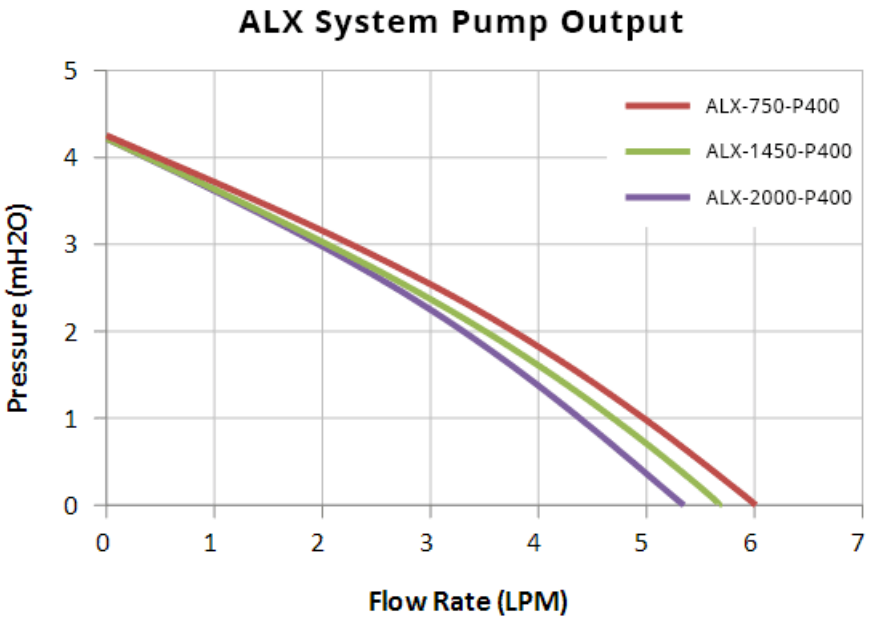
- Cooling capacity: 2000W (6824BTU/hr) with 25°C liquid-ambient delta @ 5.0LPM
- Temperature in °C/°F with set-point based on: liquid, or one of two optional K-type thermocouples
- Pump: 10 manual levels, up to 5.0LPM (1.3GPM)
- Select only values you want displayed on the front 2-line OLED display (fixed 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, 97W or higher
- Reservoir capacity: 600ml (20.3 fl oz)
- 1/4 NPT threads on back for fittings

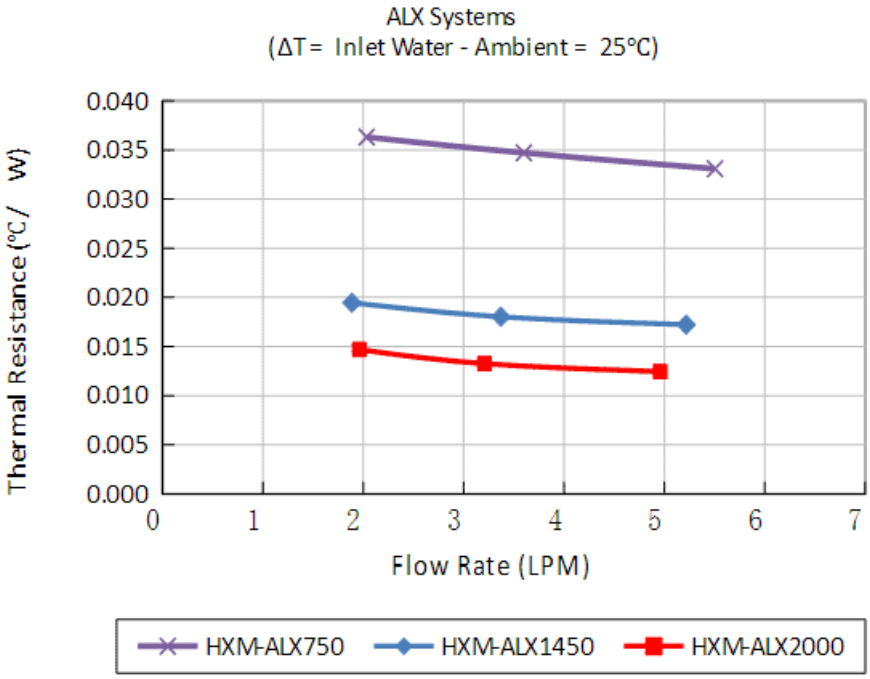
NOTE: Requires 12VDC input power. Koolance offers a separate power supply for AC wall outlet sources. Inlet/outlet fitting threads on rear of the cooling system are NPT 1/4-inch.

General	
Weight	12.00 lb (5.44 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)	30-63
Cooling Systems	
Cooling Capacity	2000W (6824BTU/hr) @ 25°C liquid-ambient (25°C dT)
Display Type	OLED
Max Flow Rate (10-13mm ID)	5.0LPM (1.3GPM)
Max Power Consumption	97W
Max Static Pressure (10-13mm ID)	0.4kgf/cm2 (6psi)

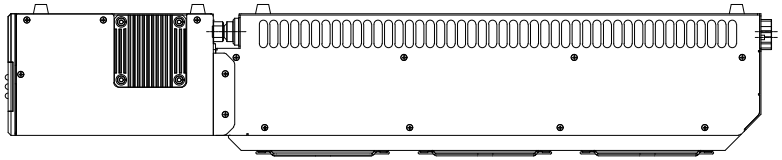
General	
Power Source	12 VDC
Radiator	Brass/Copper, 3 x 120mm fans
Temperature Sensors	Liquid & Two K-Type Thermocouples (optional)
Temperature Stability	+/-0.5ºC

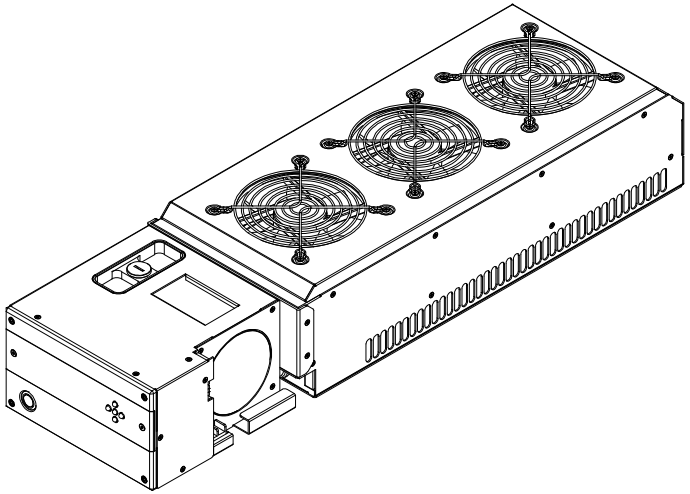


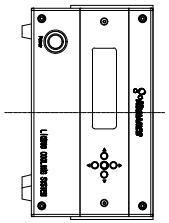


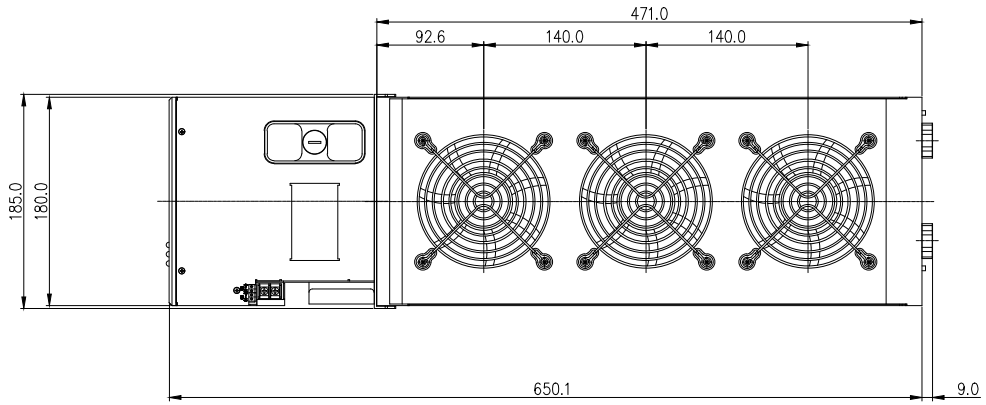

ALX Systems
(ΔT= Inlet Water - Ambient = 25°C)
Thermal Resistance (°C / W)
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
1
2
3
4
5
6
7
Flow Rate (LPM)
HXM-ALX750
HXM-ALX1450
HXM-ALX2000

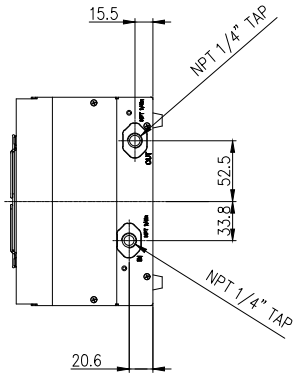
File

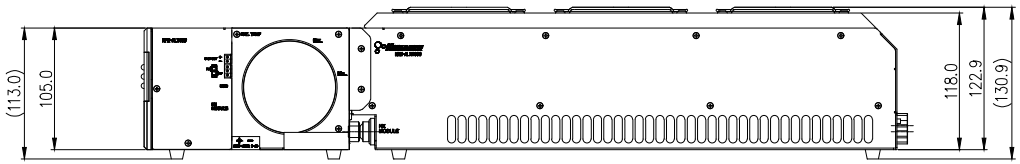












NO.	DISCRIPTION				MATER'L	QUANTITY	REMARKS
KOOLANCE					UNIT MM	ITEM ALX-2000-P400	
	BY	BY	BY	APPRO BY	SCALE N/S	TITLE Ass'y	
DATE					3RD ANGLE		
MAR.13.2026	S.J.LEE				CODE NO.	DWG. NO.	PAGE