www.koolance.com

Specifications Sheet

Generated: 2026-11-09

P/N: ALX-3000

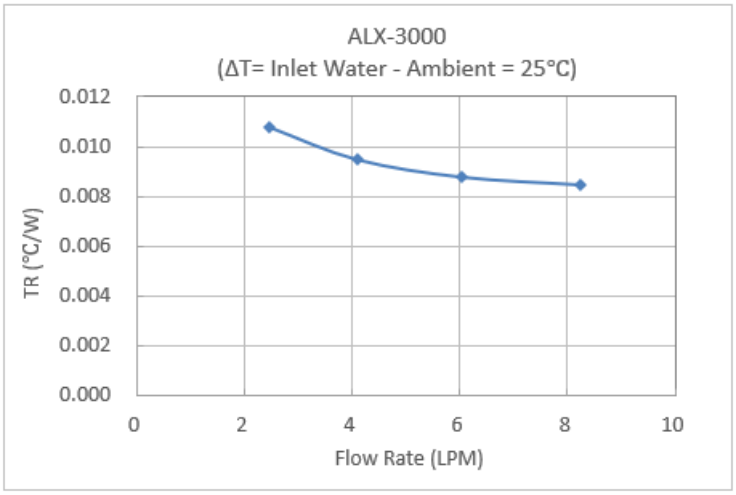
ALX-3000 Liquid Cooling System

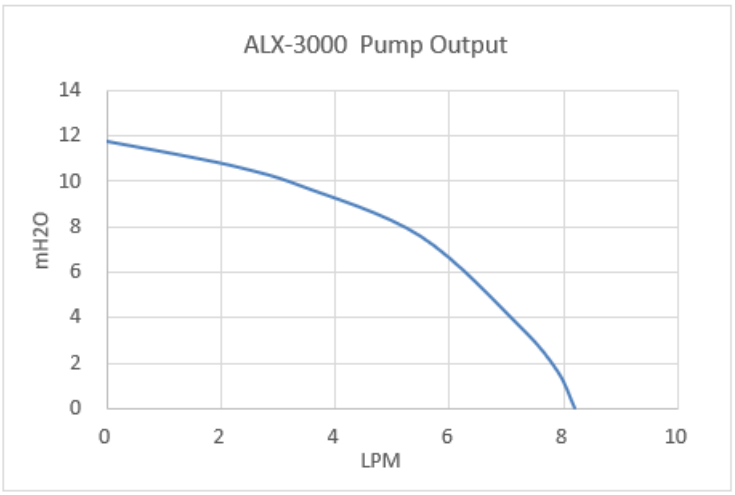


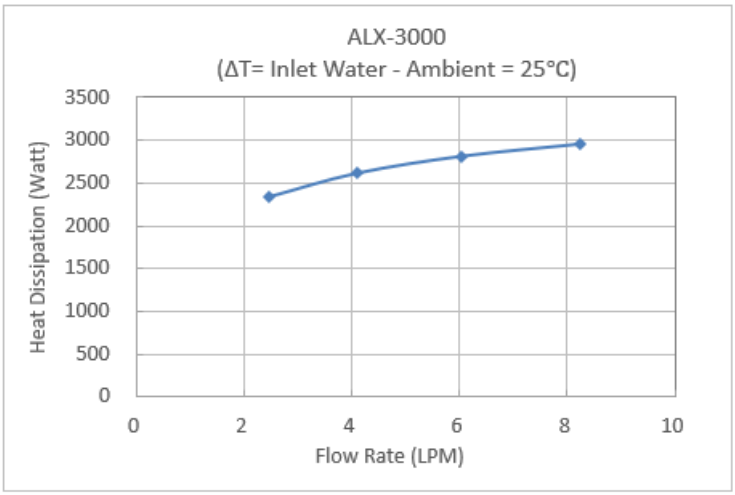
ALX-3000 provides approximately 3000W of cooling (with a 25°C liquid-ambient delta) utilizing two internal copper/brass radiators. Coolant flow rate, temperature, and reservoir level are monitored, and a USB port allows control and logging of most features using the Koolance System Monitor application.

- Cooling capacity: 3000W (10,236 BTU/hr) with 25°C liquid-ambient delta @ 8.1LPM
- Temperature in °C/°F with set-point based on: liquid, or one of two optional K-type thermocouples
- Pump: 10 manual levels, up to 8.1LPM (2.1GPM)
- 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 alarms based on: temperature, flow rate, pump RPM, fan RPM, and reservoir coolant level
- Enable relay triggers (NO or NC) based on: temperature, flow rate, pump RPM, fan RPM, and reservoir coolant level
- 0-5V output for process monitoring, based on setpoint vs. liquid delta temperature
- Reservoir capacity: 1L (33.8 fl oz)
- NPT 3/8in threads on back for fittings
- Includes C13 to NEMA 5-15 power cord
- Rack mount adapter option for ALX-3000 sold separately

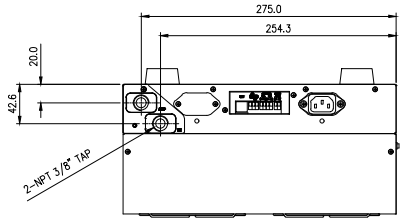
General	
Weight	12.00 lb (5.44 kg)
Fitting Thread	NPT 3/8
Max Pressure Tolerance @ 25°C	1.5kgf/cm2 (21.3psi)
Max Temperature Tolerance	60°C (140°F)
Min Temperature Tolerance (*No Freezing)	-20°C (-4°F)
Noise (dBA)	44-69
Cooling Systems	
Cooling Capacity	3000W (10,236 BTU/hr) @ 25°C liquid-ambient (25°C dT)
Display Type	OLED
Max Flow Rate (10-13mm ID)	8.1LPM (2.1GPM)
Max Power Consumption	160W
Max Static Pressure (10-13mm ID)	1.2kgf/cm2 (16.6psi)
Power Source	100-240VAC, 50-60Hz
Radiator	Brass/Copper, 5 x 120mm fans
Temperature Sensors	Liquid & Two K-Type Thermocouples (optional)
Temperature Stability	+/-0.5ºC

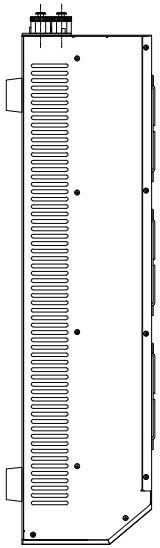

ALX-3000
(ΔT= Inlet Water - Ambient = 25°C)
TR (°C/W)
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
2
4
6
8
10
Flow Rate (LPM)

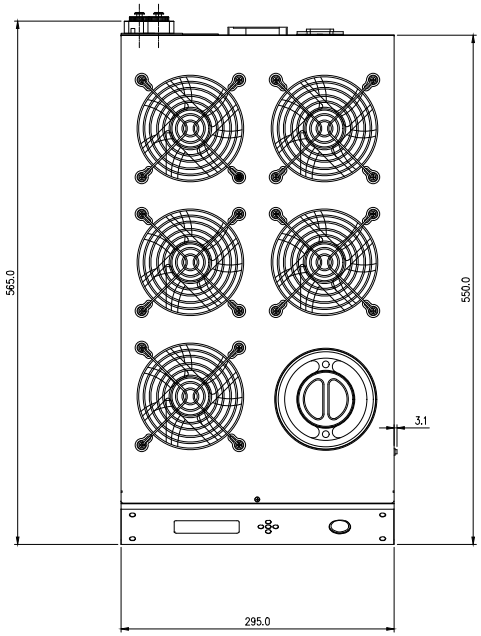

ALX-3000 Pump Output
mH2O
14
12
10
8
6
4
2
0
0
2
4
6
8
10
LPM

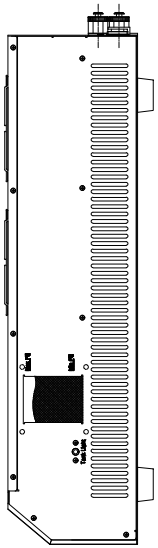

ALX-3000
(ΔT= Inlet Water - Ambient = 25°C)
Heat Dissipation (Watt)
3500
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
Flow Rate (LPM)

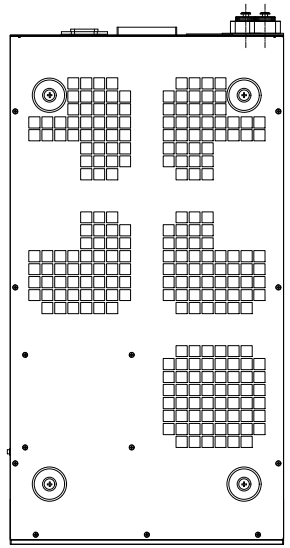
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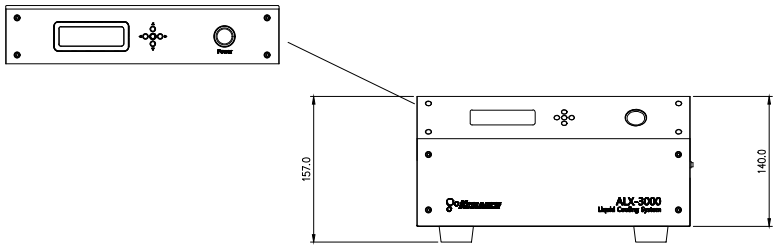












NO.	DESCRIPTION		MATER'L		QUANTITY	REMARKS
KOOLANCE			UNIT	MM	ITEM ALX-3000	
	BY	BY	BY	APPRO BY	SCALE N/S	TITLE 1 Power Ass'y
DATE					3RD ANGLE	
JAN.17.2025	S.J.LEE				CODE NO.	DWG. NO. / PAGE