Laird THERMAL SYSTEMS

WL Series
WL3000
Liquid Cooling Systems



The WL3000 is a re-circulating liquid to air heat exchanger that offers dependable, compact performance by removing large amounts of heat from a liquid circuit. The coolant is recirculated using a high-pressure pump to assure maximum flow rate. Heat from coolant is absorbed by a radiant heat exchanger and dissipated into the ambient environment using brand name fan. This unit incorporates a coolant filter to maintain peak performance throughout operation life of product. Manual adjustments can be made to control pressure and flow of liquid circuit. Customized features are available, however, MOQ applies.

FEATURES

- Cooling to ambient
- High heat pump capacity
- Compact form factor
- Long life operation

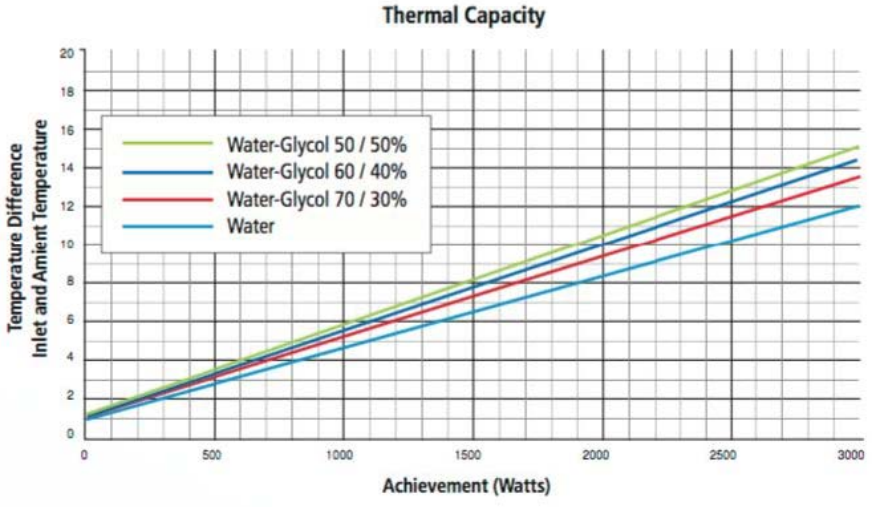
APPLICATIONS

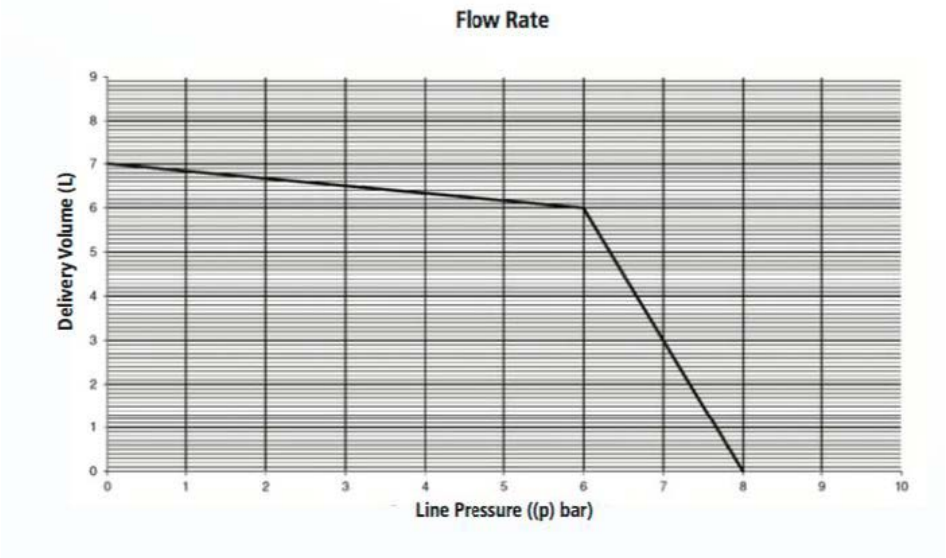
- Healthcare Diagnostics & Treatment
- Industrial Instrumentation
- Semiconductor Fabrication

TECHNICAL SPECIFICATIONS	
Performance	
Cooling Capacity[1] - Watts	3,000
Pump Flowrate @ 4 Bar - LPM	6.0
Operation	
Coolant	Water or Water/Glycol
Operating Temperature - °C	5 to 40
Storage temperature range[2] - °C (w/o coolant)	-25 to 70
Humidity range - %	20 to 80
Input Voltage - VAC	230
Frequency – Hz	50/60
Current Draw - Amp	2.5
Noise dB(A)	≤ 59
Flow switch open - lpm	4.0
Maximum forward pressure – Bar	8.0
Physical	
Dimensions (L X W X H) - cm	48 x 40 x 48
Weight - kg	38.5
Coolant Capacity - l	3.7
Couplings	Press Fit (9 mm ID hose)

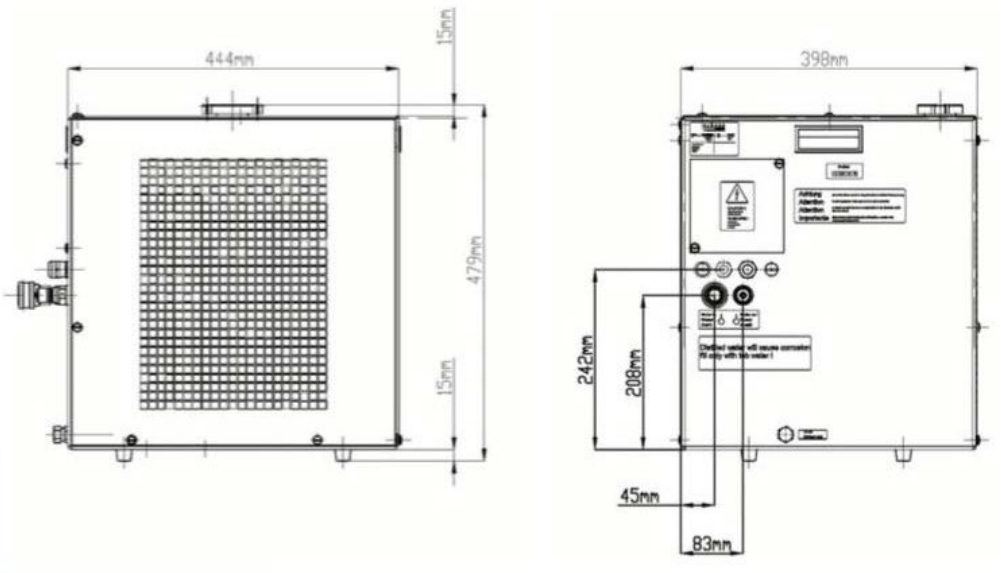
1. Capacity rating is given at a temperature of 25°C (77°F) for the ambient air and water outlet temperature of 12°C
2. For ambient conditions outside this range, please contact Laird Thermal Systems

PERFORMANCE





ISOMETRIC DRAWINGS



NOTES

1. Check coolant level regularly. For optimal cooling performance, coolant level should always be above radiator fins
2. Hose selection should be of material and thickness to support pressure resistance and coolant type.
3. Manual adjustments can be made to control pressure and flow rate.
4. Check air and coolant filter periodically for replacement.

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RoHS

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