



The WL1500 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 re-circulated 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 a brand name fan. This unit incorporates an air filter and water 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 | 1,500 |
| Pump Flowrate @ 4 Bar - LPM | 4.0 |

Operation

| | |
|--|-----------------------|
| Coolant | Water or Water/Glycol |
| Operating Temperature ² - °C | 5 to 40 |
| Storage temperature range - °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) | 68 |
| Maximum forward pressure – Bar | 6.0 |

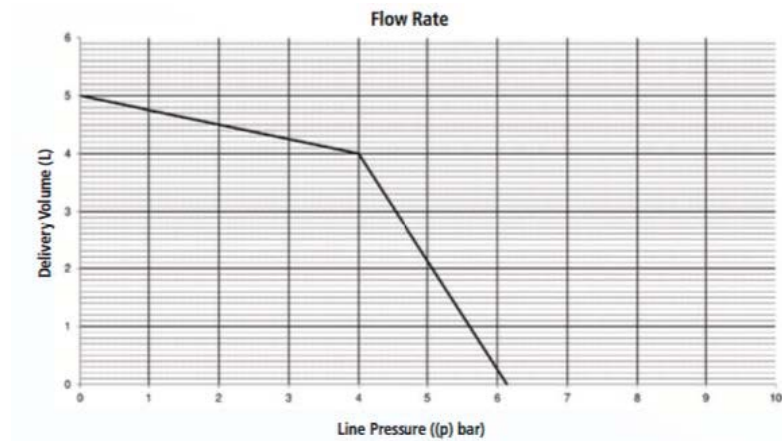
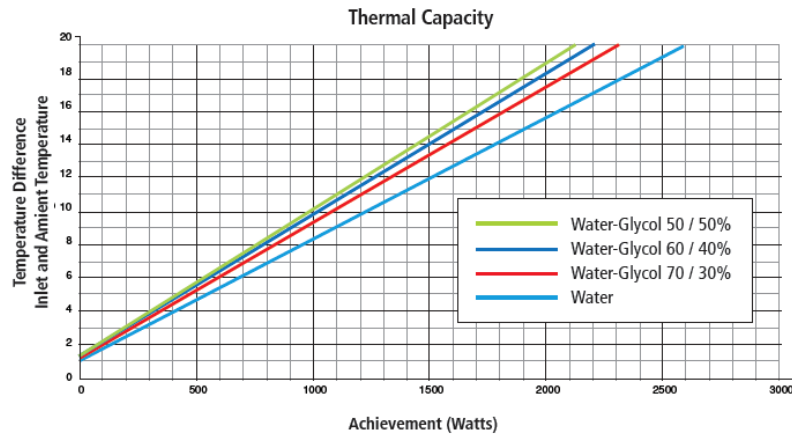
Physical

| | |
|-----------------------------|--------------------------|
| Dimensions (L X W X H) - cm | 48 X 40 X 48 |
| Weight - kg | 38.5 |
| Coolant Capacity - l | 3 |
| Couplings | Press fit (9 mm ID hose) |

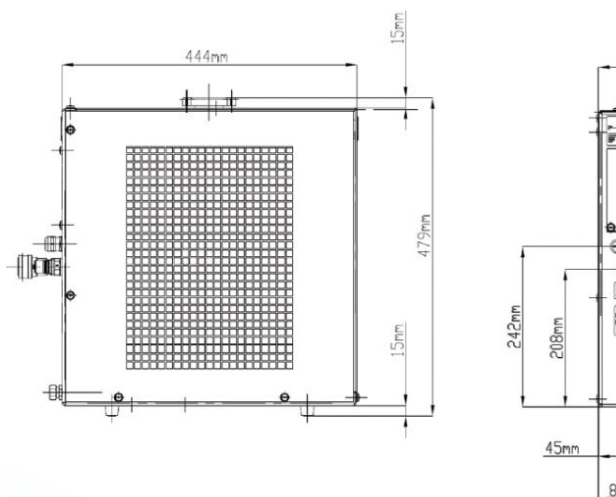
1. Capacity rating is given at a temperature of 25°C (77°F) for the ambient air and water outlet temperature of 11°C

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 flow rate.
4. Check air filter and coolant filter periodically for replacement.
5. Multiple cord plug options available to accommodate regional socket outlet requirements. Consult with Laird Technologies on cord plug selection.

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