



### WATER COOLED HEAT EXCHANGER UNITS FOR MEDICAL AND INDUSTRIAL SYSTEMS

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

- Compact design
- Reliable Operation
- Adjustable Flow Rate
- Bypass Valve Protection

#### APPLICATIONS

- Medical Imaging Systems
- Photonics Laser Systems
- X-Ray Scanning Systems
- Semiconductor Fabrication

#### Specifications

##### Performance

Cooling capacity <sup>1</sup>	1,500 Watts
Flow Rate	> 4.0 lpm @ 4 bar

##### Operation

Coolant	Water or Water/Glycol
Operational temperature range <sup>2</sup>	5°C to 40°C
Storage temperature range (w/o coolant)	-25°C to 70°C
Humidity range	20% to 80%
Input Voltage	115 VAC
Frequency	60 Hz
Current Draw	6.8 Amps
Noise	< 78 dB(A)
Maximum forward pressure	6 bar

##### Physical

Dimensions (H x W x D)	48.1 x 39.8 x 47.9 cm
Weight (w/o coolant)	38.5 kg
Coolant Capacity	3 L
Couplings Walther Type	MD 006

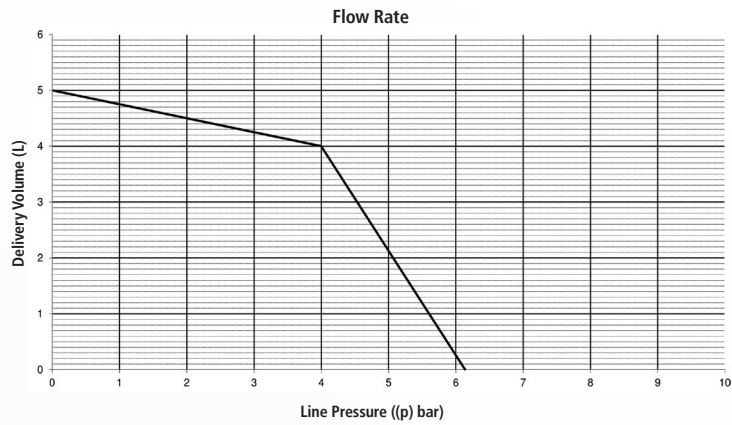
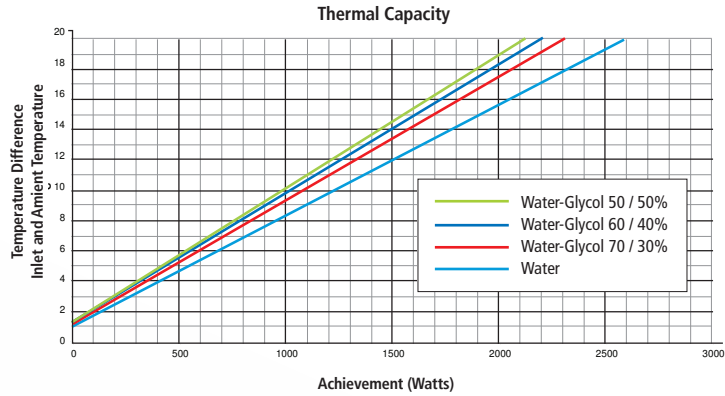
<sup>1</sup> Capacity rating is given at a temperature of 25°C (77°F) for the ambient air and water outlet temperature of 12°C.  
<sup>2</sup> For ambient conditions outside this range, please contact Laird Technologies.

**global solutions: local support™**

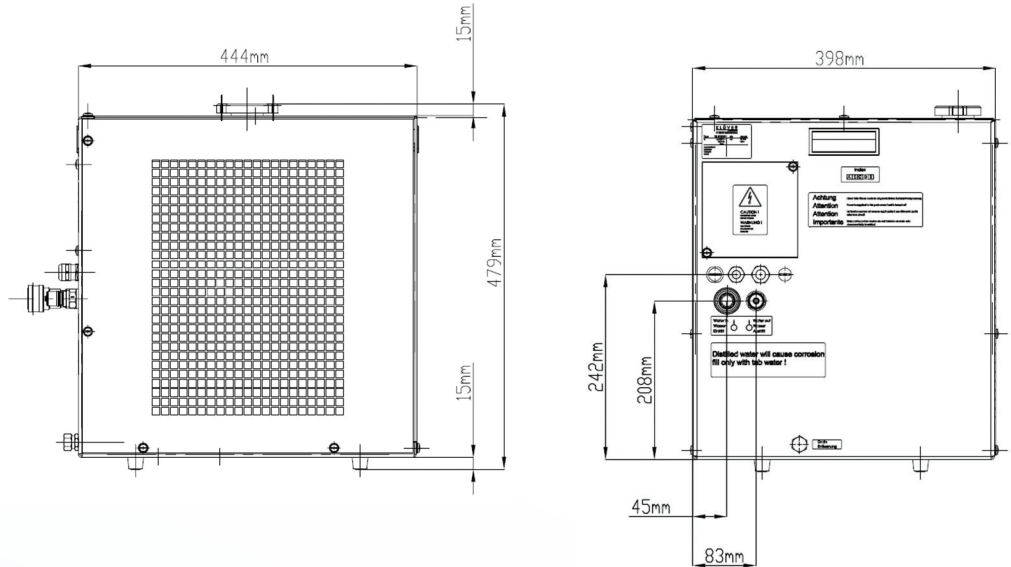
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**PERFORMANCE CURVES**



**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 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.

**ORDERING INFORMATION**

**PART NUMBER EXAMPLE**

W	L	1 5 0 0
Water	Air	Capacity (Watts)

THR-DS-WL 1500 0412

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