



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Liquid to Air Heat Exchanger System



## WATER COOLED HEAT EXCHANGER UNITS FOR MEDICAL AND INDUSTRIAL 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 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 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

- 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>	3,000 Watts
Flow Rate	6.0 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	230 VAC
Frequency	50/60 Hz
Current Draw	2.5 Amps
Noise	< 59 dB(A)
Flow switch open	4.0 lpm
Maximum forward pressure	8.0 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	3.7 L
Couplings	Press Fit (9mm ID hose)

<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.

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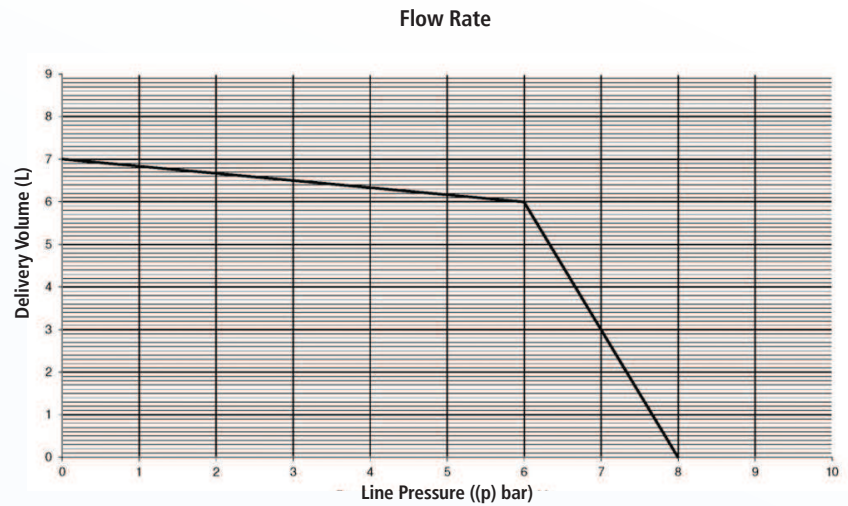
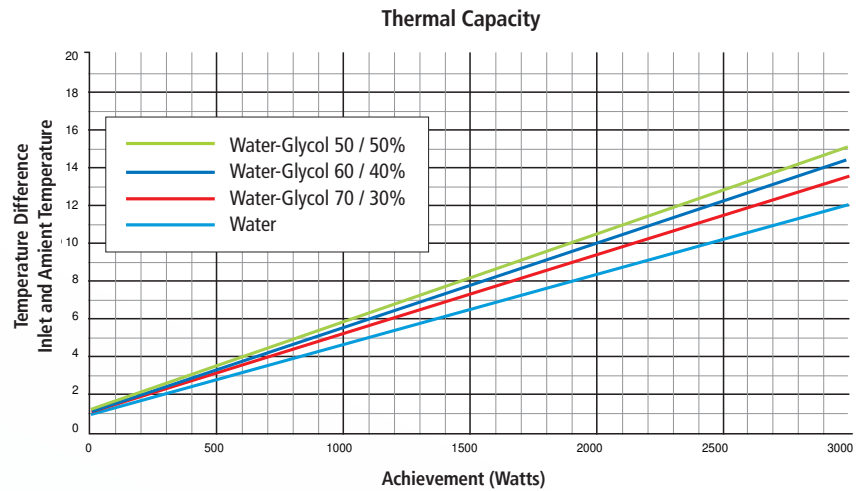
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# Liquid to Air Heat Exchanger System

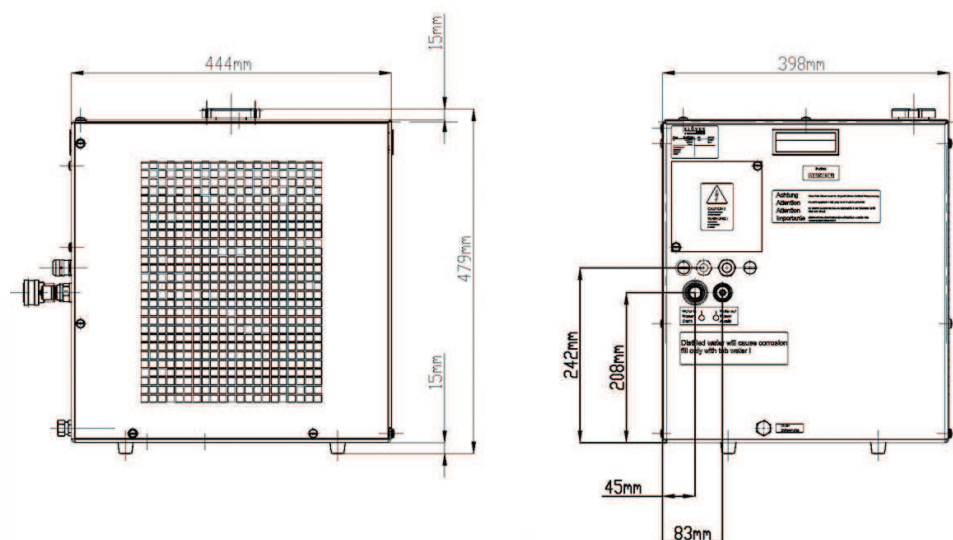
## PERFORMANCE CURVES





# WL 3000 Liquid to Air Heat Exchanger System

## 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.

## ORDERING INFORMATION

### PART NUMBER EXAMPLE

W	L	3	0	0	0
Water	Air	Capacity (Watts)			

THR-DS-WL 3000 0912

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