

WL 3000 Liquid to Air Heat Exchanger System

Innovative **Technology** for a **Connected** World



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

3,000 Watts 6.0 lpm @ 4 bar
6.0 lpm @ 4 bar
Water or Water/Glycol
5°C to 40°C
-25°C to 70°C
20% to 80%
230 VAC
50/60 Hz
2.5 Amps
< 59 dB(A)
4.0 lpm
8.0 bar
48.1 x 39.8 x 47.9 cm
38.5 kg
3.7 L
Press Fit (9mm 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 Technologies.

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PERFORMANCE CURVES



Flow Rate





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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



THR-DS-WL 3000 0912

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