

THERMOELECTRIC

Liquid-to-Air Cooler

SDLA-040-12



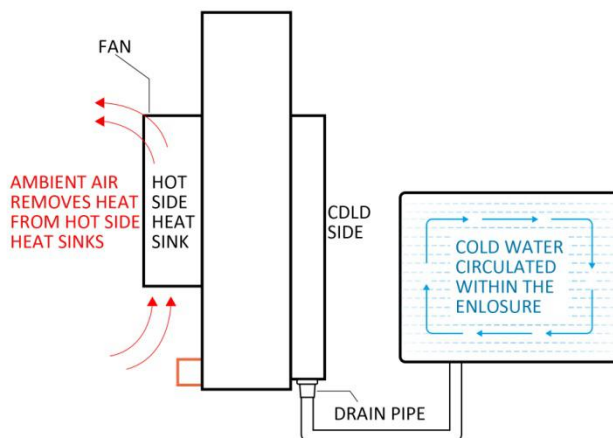
Features:

- Maintenance free design with no moving components (other than fans)
- No compressor, refrigerant or filters
- Compact size, lightweight, convenient to install and operate
- Construction (Aluminum Alloy) for indoor or outdoor use
- Standard models to 55°C (High ambient models avail.)
- Ideal for recirculating water chillers or in-process fluid cooling
- DC power configurations
- Complete 12 month warranty

Description

SANDA's 40W Thermoelectric Liquid to Air coolers excel at delivering cooling to concentrated heat sources such as laser diodes and for delivering cooled fluid into remote or compact locations where the cooling assembly itself cannot be located. The basic operation is simple: fluid flows in one tube, it is cooled, and then it flows out the other tube. An external pump is required, and typically small DC magnetic-drive pumps are used to minimize the amount of pump power (heat) that is imparted to the fluid.

Principles of Operation



Applications

- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling



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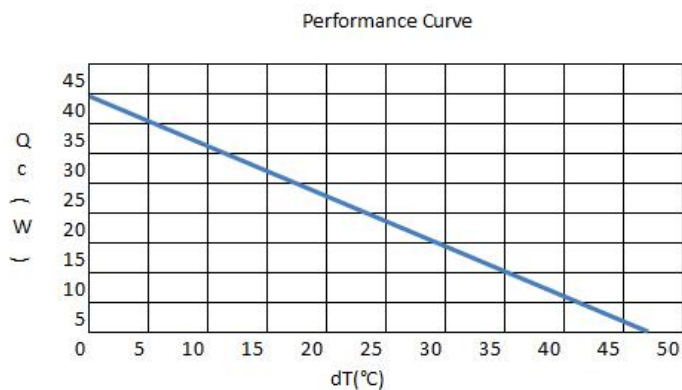
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40W (DC) Liquid-to-Air Conditioner

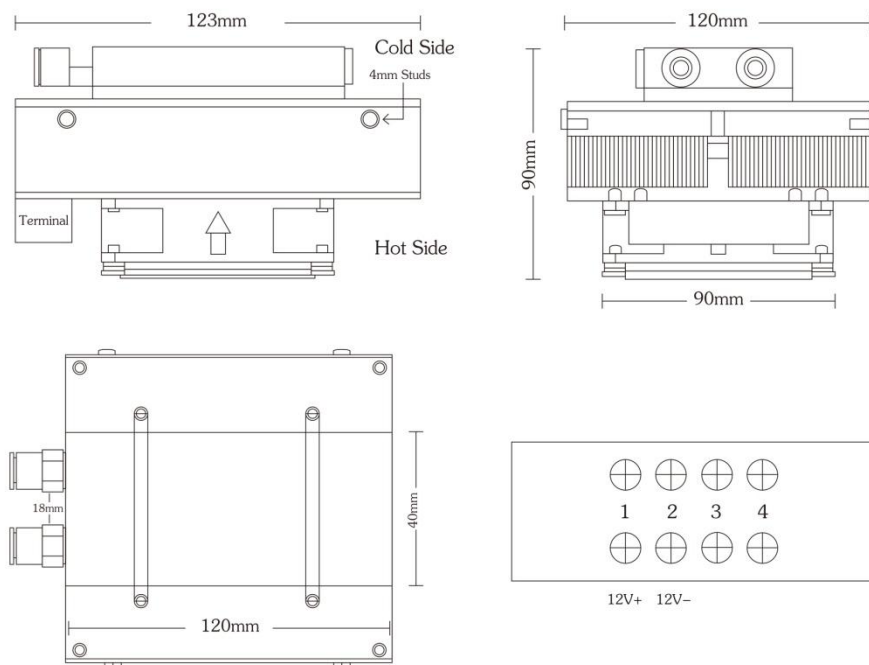
Specifications

Capacity	40W
MTBF (fans-hrs)	70,000
Construction	Aluminum Alloy (covers)
Size	123mm H x 120mm W x 90mm D body
Operating Range	Up to 50 degrees C (high ambient models available)
Temperature Control	Adjustable thermostat for optional
Power	12 VDC
Includes	User manual
Weight	0.92kg
Warranty	One year

Thermal Performance



Drawings



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