

DA PowerCool Series, DA-044-24-02

Thermoelectric Assembly

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



POWERCOOL SERIES DIRECT-TO-AIR THERMOELECTRIC ASSEMBLY

The DA PowerCool Series is a Direct-to-Air thermoelectric assembly (TEA) that uses impingement flow to transfer heat. It offers dependable, compact performance by cooling objects via conduction. Heat is absorbed through a cold plate and dissipated thru a high density heat exchanger equipped with an air ducted shroud and brand name fan. The thermoelectric modules are custom designed to achieve a high coefficient of performance (COP) to minimize power consumption. This product series is available in a wide range of cooling capacities and voltages. Custom configurations and moisture protection options are available, however, MOQ applies.

FEATURES ✓ RoHS

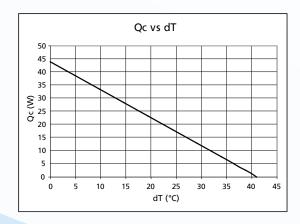
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

APPLICATIONS

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

44
2.2
2.8
24
30
53
-10 to 44
0.6
50,000
±10%

PERFORMANCE CURVE



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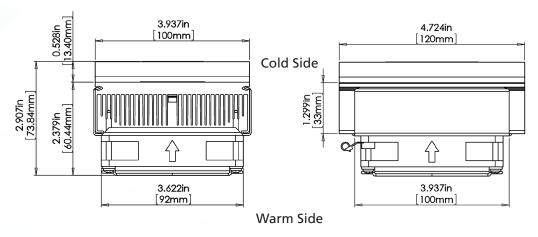


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ISOMETRIC DRAWINGS



MOUNTING HOLE LOCATION

2.362in (60mm) (4.30mm) (4.30m

WIRING SCHEMATIC

Electrical connections

TEM+: Orange

TEM-: White

Fan+: Purple

Fan-: Blue

NOTES

For indoor use only. Thermally conductive grease enclosed.

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