



The AA Cascade Series is an Air-to-Air thermoelectric assembly (TEA) that offers dependable, compact performance by cooling objects via convection. Heat is absorbed and dissipated thru high density heat exchangers equipped with air ducted shrouds and brand name fans. The thermoelectric modules are custom designed multistage cascades to achieve a high temperature differential, which allows this series to reach colder temperatures than standard AA product offerings. Custom configurations and moisture protection options are available, however, MOQ applies.

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FEATURES

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

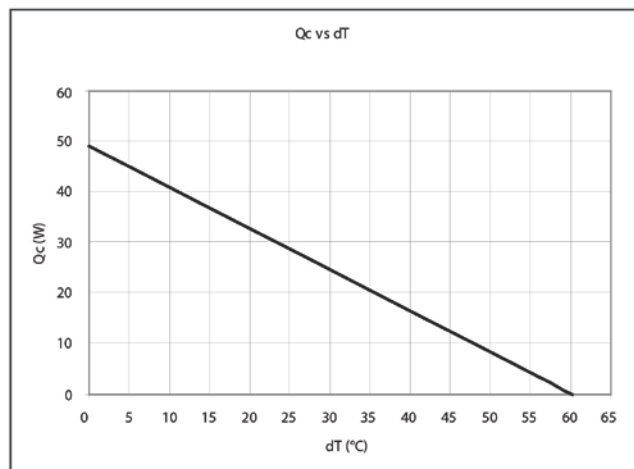
APPLICATIONS

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

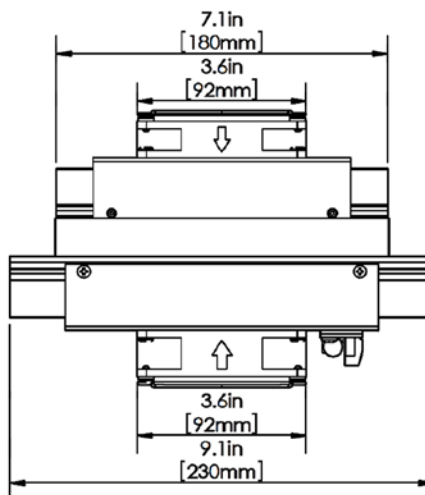
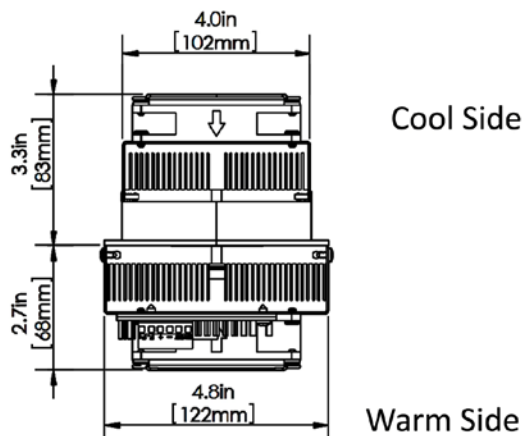
SPECIFICATIONS

Cooling Power Qcmax (W)	49
Running Current (A)	4.7
Startup Current (A)	5.6
Nominal Voltage (V)	24
Max Voltage (V)	30
Power Input (W)	113
Operating Temperature (°C)	-10 to 47
Weight (kg)	2.7
MTBF (fans - hrs)	50,000
Performance Tolerance	±10%

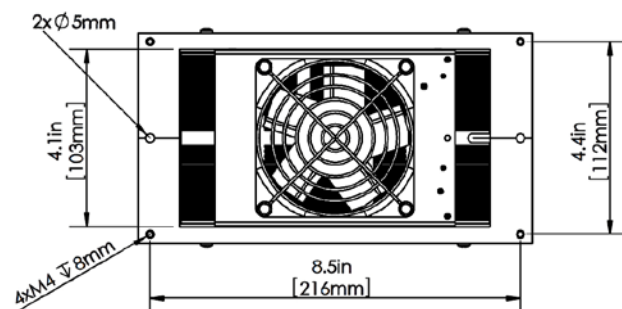
PERFORMANCE CURVE



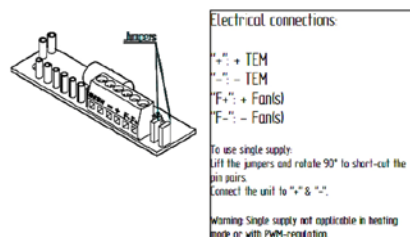
ISOMETRIC DRAWINGS



MOUNTING HOLE LOCATION



WIRING SCHEMATIC



NOTES

Overheating thermostat: $75^{\circ}\text{C} \pm 5^{\circ}\text{C}$ on heat sink surface
For indoor use only

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