

Air-to- Air Thermoelectric Assembly

AA-40-12

Specifications:

Cooling Power Q_{cmax} (W)	40
Running Current (A)	6.3
Nominal Voltage (V)	12
Max Voltage (V)	15
Power Input (W)	76
Operating Temperature ($^{\circ}C$)	-10 to 50
Weight (kg)	1.8
MTBF (fans-hrs)	70,000
Performance Tolerance	$\pm 10\%$



Features

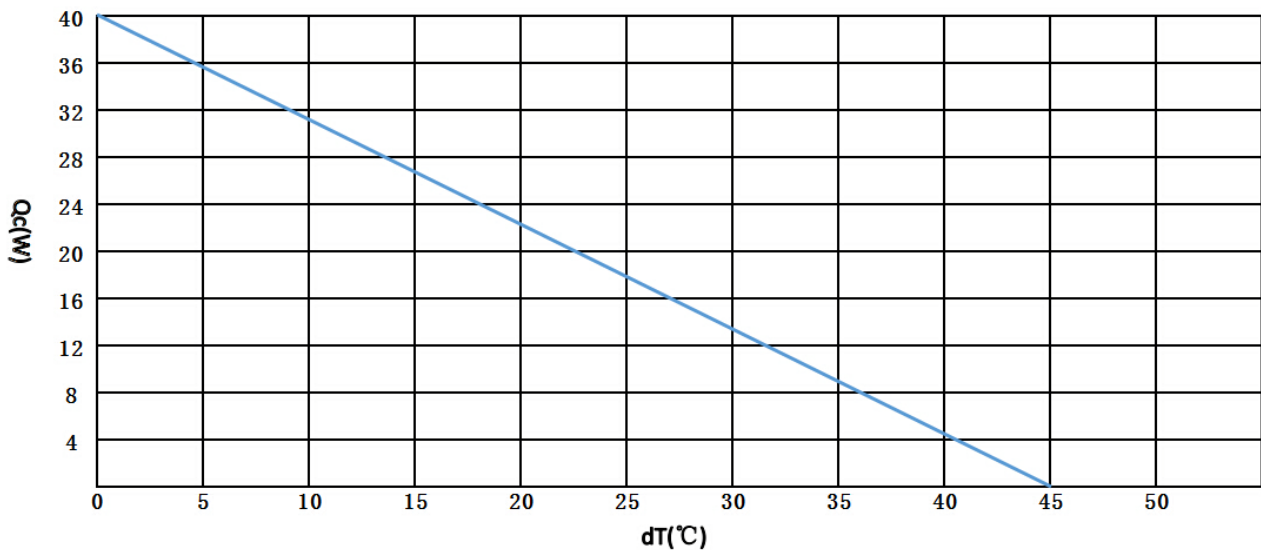
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

Applications

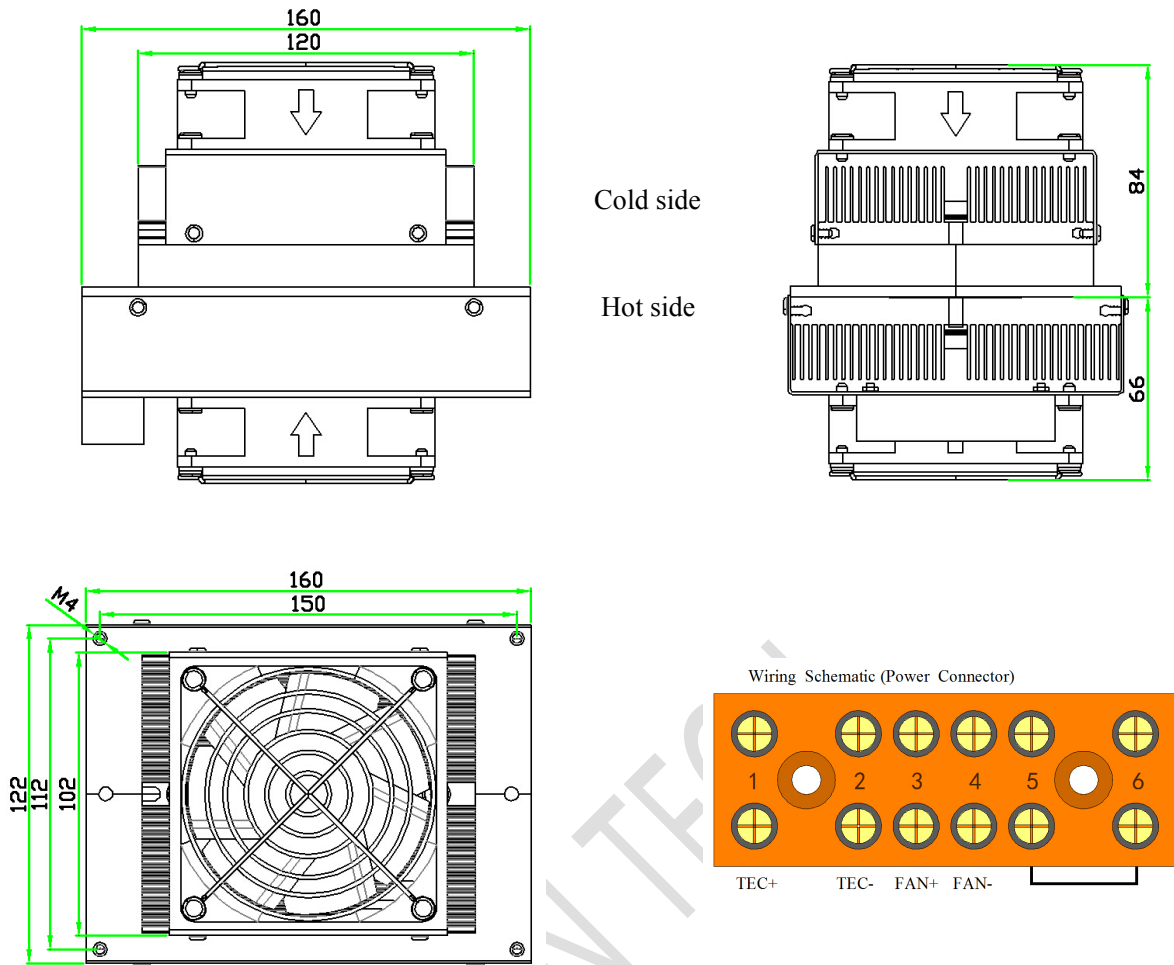
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

All products are manufactured in an ISO 9001:2008 & ISO/TS 16949:2009 certified facility and are designed to meet the cooling needs of many thermal management applications in the medical, analytical, industrial and telecom markets.

Performance Curve



Mechanical Drawing



Installation and Service manual

Installation:

The TE assembly is mounted in a cabinet with "Hot side" mounted externally;
 Suitable cabinet cutout is 105x122mm;
 Recommended for general purposes: the TE assembly is fastened with 4XM4 machine screws, 4XM4 flat washers so that the gasket material will seal off around the flange of the assembly.

Service:

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function.

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