

1Thermoelectric AIR conditioner

AA-019-12

Specifications:

Cooling Power Q _{cmax} (W)	20
Running Current (A)	2.3
Startup Current (A)	2.8
Nominal Voltage (V)	12
Max Voltage (V)	14
Power Input (W)	28
Operating Temperature (° C)	-10 to 48
Weight (kg)	0.6
MTBF (fans - hrs)	40,000
Performance Tolerance	± 10%



Features

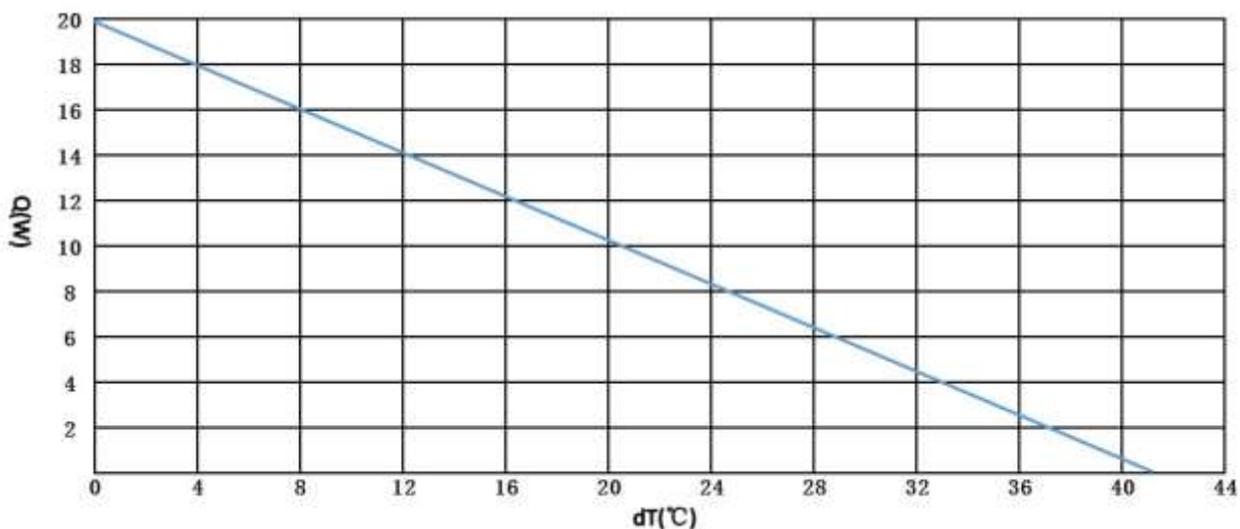
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

Applications

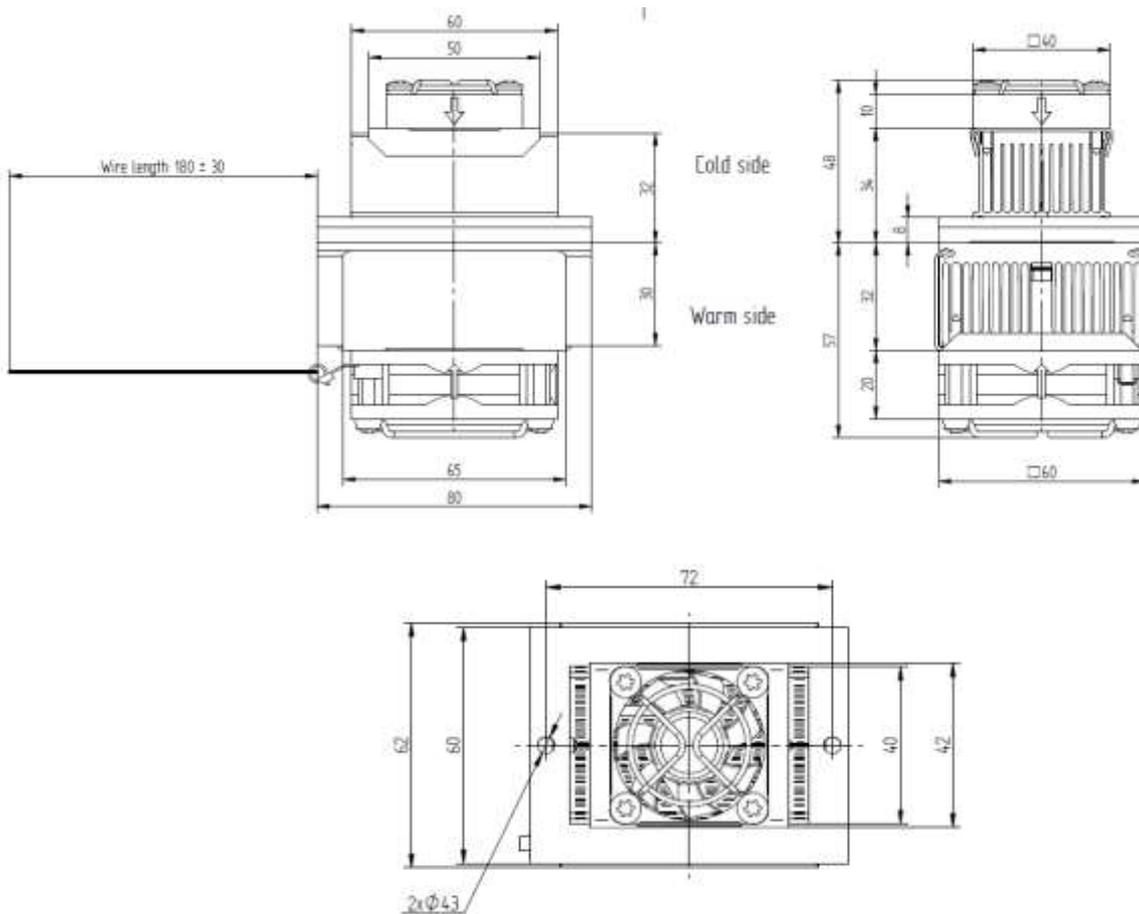
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

All products are manufactured in an ISO 9001:2008 certified facility and are designed to meet the cooling needs of many thermal management applications in the medical, analytical, industrial and

Performance Curve



Mechanical Drawing:



Installation:

1. The TE assembly must be mounted in a cabinet with "Warm side" mounted externally.
2. Suitable cabinet cutout is 62x42 mm.
3. Recommended for general purposes: the TE assembly should be fastened according to picture below (with machine screws, flat washers, tooth washers and nuts) so that the gasket material will seal off around the flange of the assembly.
4. The TE assembly must be positioned in vertical direction (heat sink fins in vertical direction).
5. The TE assembly must be protected from external force or violence.

Service:

Fan impellers and heat sinks must be cleaned on regular intervals to reduce risk for overheating and reduction of cooling function. The interval may vary depending on environment.

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