

**Plate-to-Air Thermoelectric Assembly**

PA-160-48-00

**Specifications:**

Cooling Power Q <sub>cmax</sub> (W)	160
Running Current (A)	4.8
Nominal Voltage (V)	48
Max Voltage (V)	51
Power Input (W)	230
Operating Temperature (°C)	-10 to 52
Weight (kg)	3.5
MTBF (fans-hrs)	70,000
Performance Tolerance	±10%



**Features**

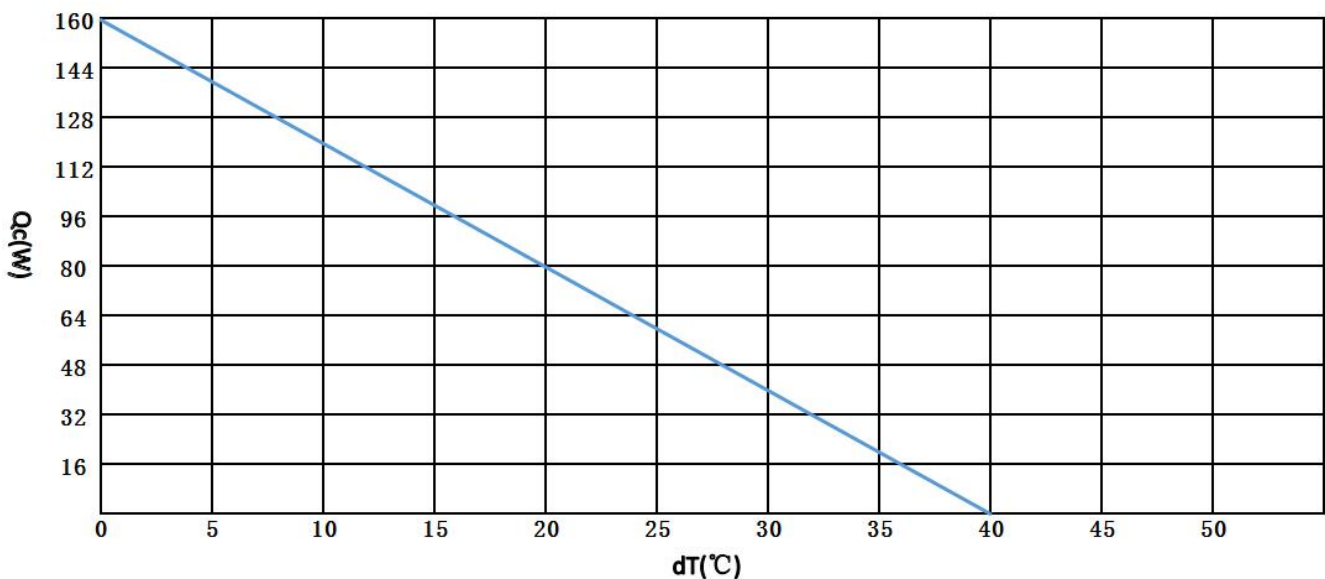
- Compact design
- Precise temperature control
- Reliable solid-state operation
- DC operation
- RoHS compliant

**Applications**

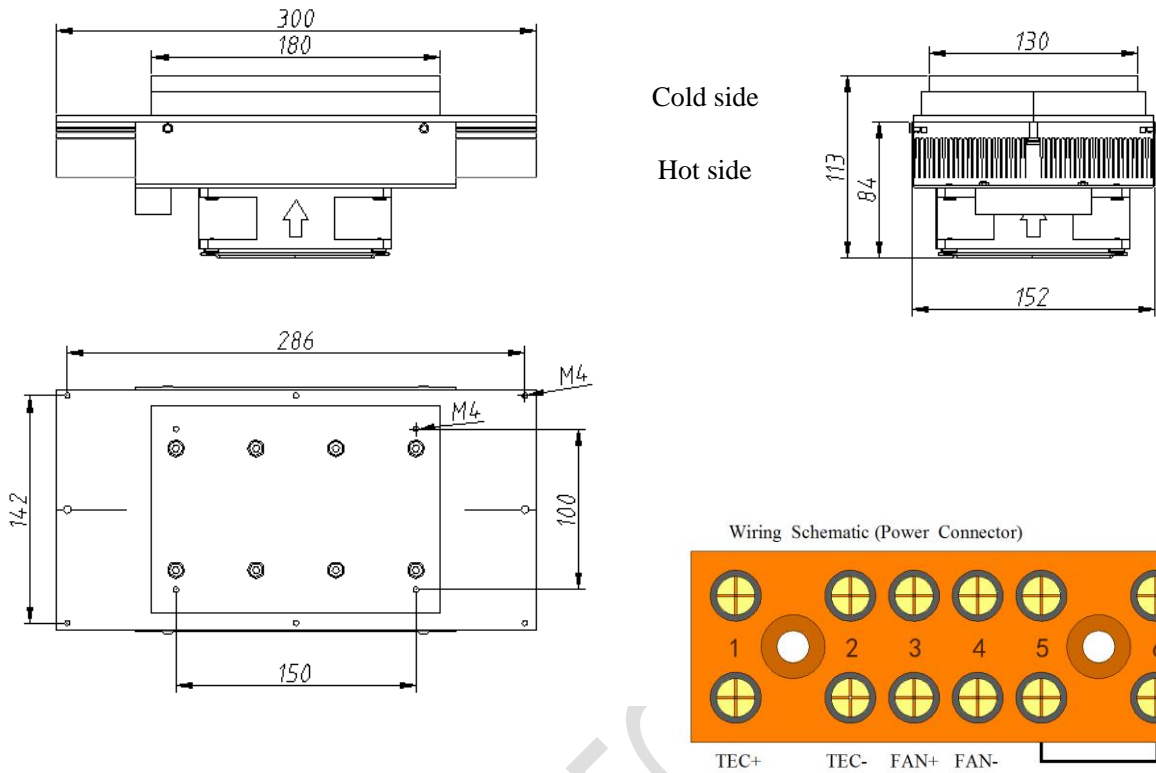
- Analytical instrumentation
- Medical diagnostics
- Photonics laser systems
- Industrial instrumentation
- Food and beverage cooling

All products are manufactured in an ISO 9001:2008 & 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**



**Service and Notes manual**

**Service:**

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

**Notes:**

Overheating Thermostat:  $75^{\circ}\text{C} \pm 5^{\circ}\text{C}$  on hot side heat sink surface.

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