Direct-to-Air Thermoelectric Assembly
Model CA-135-DA-24-00

Description

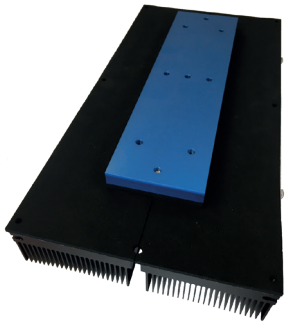
Direct-to-Air thermoelectric assemblies are used to cool (or heat) objects by conduction. Heat dissipated by objects will be absorbed through a cold plate and pumped by Peltier-modules to a heat sink with fan to discharge the heat to the environment. Because no refrigerant liquid (CFC's) is used, the assemblies are friendly for our enviroment. The coolers operate 100% on a DC-voltage. They are ready to use and the installation is easy by mounting the object with screws onto the cold plate or by clamping. Our Direct-to-Air series is available in a wide range of cooling capacities and voltages. Our standard coolers are designed for indoor use. Waterproof versions are available as well. Because we design and build our coolers in-house, we are able to build special versions quickly. Please ask for the possibilities.

Product photo (warm side)

Technical specifications

Cooling power (at 0°C dT)	: 141 Watt (±10%)*
Supply	: 24 VDC
Nom. current (excl. fan)	: 6,8 A
Initial current (excl. fan)	: 9,7 A
Fan(s) current at 24 VDC	: 0,22 A (total)
Power consumption (nom.)	: 169 W (±10%)
Max. ambient temperature	: +42°C
Thermostat (Over Heat)	: 75°C ±5°C
Weight	: 2,9 kg
CE / RoHS 2 compliant	: yes
Packing	: Individual carton box

* at 25°C ambient temperature



Product photo (cold side)

Benefits & Application areas

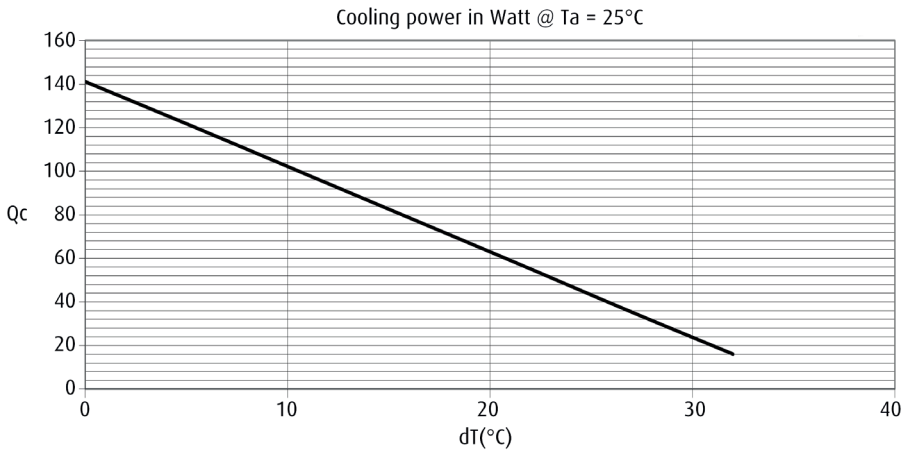
BENEFITS

- Compact design
- High density heat sink
- DC operation
- Easy installation
- Reliable solid-state technique

APPLICATION AREAS

- Industrial instrumentation
- Medical diagnostics
- Analytical instrumentation
- Thermal conductive enclosures
- Lasers
- Mini refrigerators

Performance graph



All specifications are subject to change without notice.

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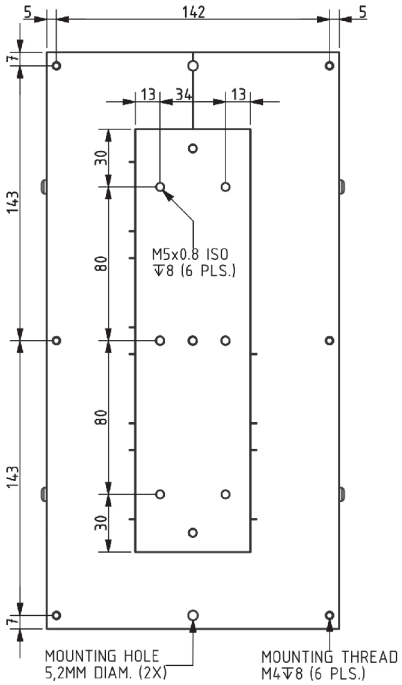
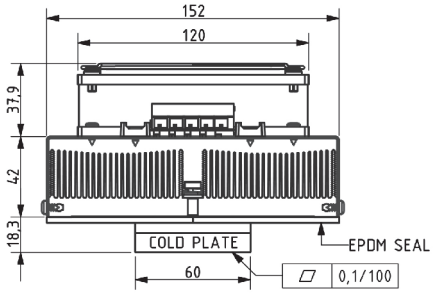
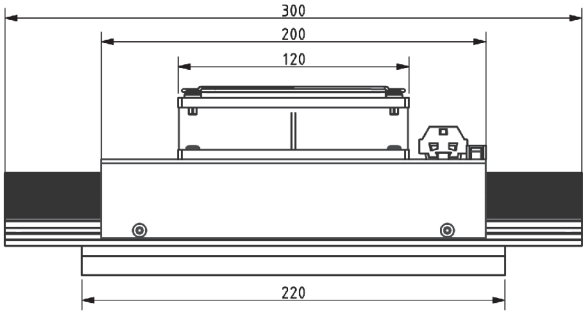
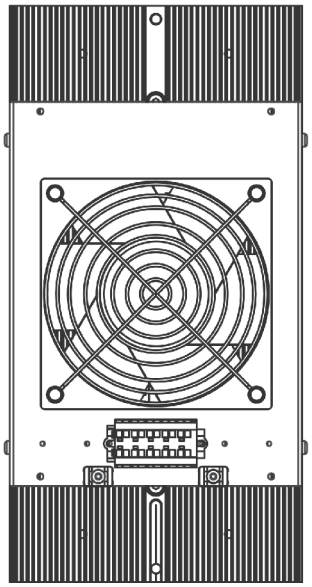
Dimensions









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