

Thermoelectric Cooler Assembly Direct To Air

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Compliant**



Description

Adaptive thermoelectric cooling assemblies come in direct to air, air to air and liquid to air variations comprising thermoelectric cooler module/s, heat exchangers, fan/s and thermal interfaces which are optimised for effective heat transfer.

These are specialists in thermal management and thermoelectrics, developing the high performance thermoelectrics products and materials of the future. The Direct-to-Air Thermoelectric cooling assemblies are compact devices that can be used to cool down objects through conduction. The objects to be cooled down are mounted onto the metallic plate at the 'cold side' of the assembly from where heat is pumped by Peltier thermoelectric modules and dissipated to the environment through the use of bespoke heat sinks and highly efficient DC fans at the hot side of the assemblies. The thermoelectric modules, whose reliability and maintenance-free operation has been proven by the years, are carefully selected for each assembly to ensure the best cooling performance and minimise power consumption.

Features

- Easy to install
- High reliability
- Precise temperature control
- Low noise

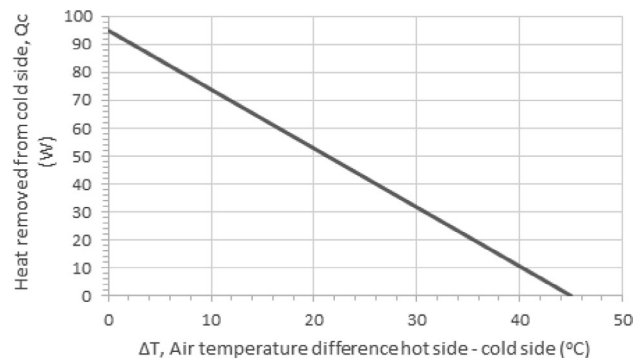
Applications

- Incubators
- Battery compartments
- Various kinds of cabinets

Specification

Maximum cooling power	: 105W
Nominal voltage	: 24V
Maximum voltage	: 30V
Maximum current	: 5.8A
Power input	: 139W
Operating temperature	: -10°C to +55°C
Weight	: 5.27
Performance tolerance	: 10%
L10 of fans at 40°C	: Hot side:70121hrs

Performance graph



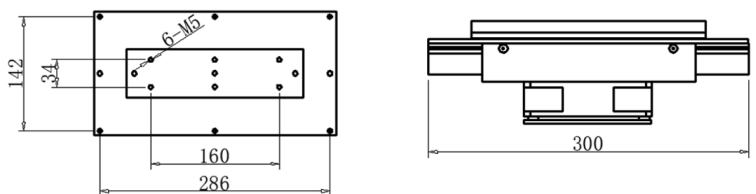
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Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Thermoelectric Cooler, Adaptive Valve, Direct To Air, 105W, 24V DC	MP-DT-AR-105-24-ADV

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