LANEX

Thermo-Cooler Rugged Air Conditioner

Thermo-Cooler Rugged Air Conditioner enclosures protect critical electronics in challenging environments.

models are designed to cool your electronic and electrical controls, instruments, servers, terminals, Industrial control panel telecommunications equipment, surveillance devices, cameras, laser and optical equipment and many other electronics in variety of environments.



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Thermo-Cooler for control panel Applications. Precision Thermal Control for Industrial Enclosures

Protect your critical AC drives, inverters, VFDs, and PLCs in even the most extreme environments. The cooling systems maintain precise internal temperatures, safeguarding sensitive electronics and guaranteeing uninterrupted operational uptime.

Thermo-Cooler - Meeting the Cooling Needs for different sectors.

Thermo-Cooler can be found in many different industries to protect a wide range of equipment:

- *Network and Communications Gear.*
- *Security Cameras, and Systems.*
- *PLC and Process Controls.*
- *Touch Screens and Digital Displays.*
- *UPS and Battery bank.*









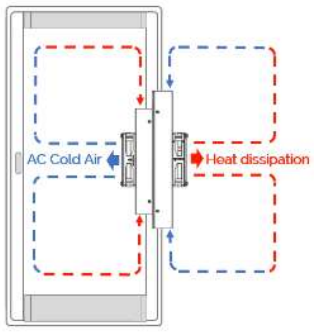
Key Features

- *Zero-Maintenance Design: Eliminates filters, condensate drains, and refrigerant recharges. The only moving components are the fan.*
- *Wide Operating Temperature Range: Handles standard ambient environments up to 140°F (60°C), with custom options available for extreme duty up to 170°F.*
- *Thermal Stability: Cools below ambient temperatures while maintaining rock-solid operational stability, offering fine-tuned control options down to ±0.5°C to protect sensitive components.*
- *Reliability: the expected average operating time is 100,000 hours under normal operating conditions.*

  Eco-Friendly Thermal Design: 100% green cooling architecture operating entirely free of Chlorofluorocarbons (CFCs), No chemical compounds containing carbon, chlorine, and fluorine (HCFCs), chemical refrigerants, and industrial oils.

- *Flexible and Portable: Standard units can be mounted in multiple orientations (horizontal or vertical).*

Mounting Thermo-cooler in electronic cabinet



Enclosure cooling

Various cooling methods are available for enclosures. But using Thermo-Cooler cooling units keeps the enclosure temperature at a constant level. Two separate circuits prevent the ingress of dust into the enclosure.

To ensure the right balance between the service life of electronics and the outlay on climate control, a temperature of 35 °C is normally recommended.

Keep your electronics performing in tough environments, whether it is located indoors, outdoors or in adverse conditions. Thermos-cooler protects electronics in the most rugged environments with innovative and dependable thermos-cooling & temperature-controlled enclosures.

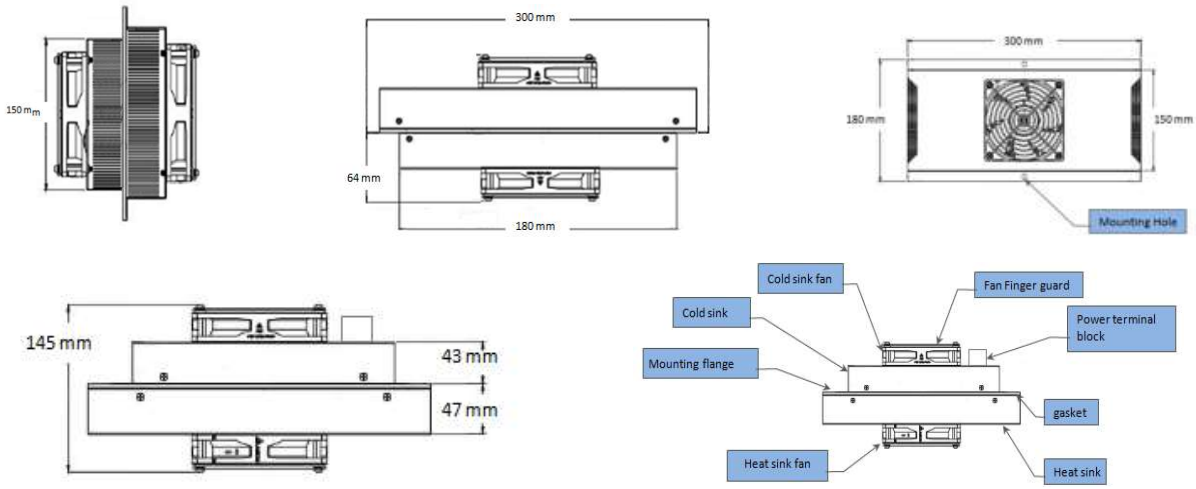
Available Voltage	Current	Mounting Flange Dimensions	Weight	Mounting
220/240 VAC	1.8 A	48 x 24 x 12	9.8 Kg	Horizontal/Vertical



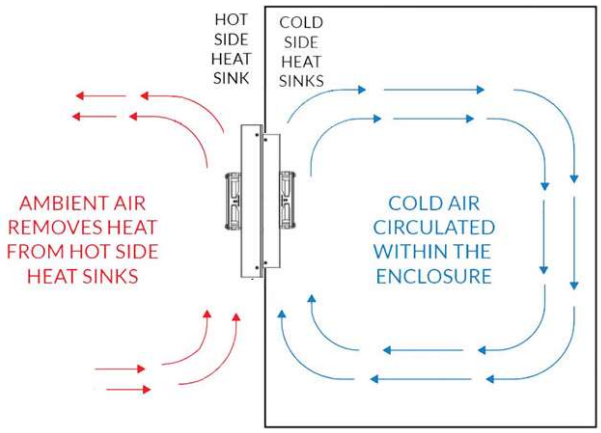
Thermo-Cooler, Wall-mounted cooling units.

Cooling units keep the enclosure internal temperature at a constant level, which is independent of the ambient temperature. The air route meets individual requirements. Two separate circuits prevent the ingress of dust into the enclosure.

Dimensions



Thermo-Cooler Terminology



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LANEX is a leader in cloud-native networking software and network disaggregation solutions. Powered by TeleSources Solutions, founded in 2015 based in London. For more information, visit us at www.lanex.uk