HEITEC
engineering solutions

# HeiCool ECO

## Flexible und robust energy-saving cooling solution


CHASSIS TECHNOLOGY

## Energy-efficient fan tray for flexible 19” installation

With only about a quarter of the energy consumption of a conventional fan tray on the market, the HeiCool ECO is a real benefit for the user despite its marginally higher purchase price. At an usual price of about 0.2 € per kWh and an energy saving of 79%, the additional price for the HeiCool ECO fan tray has already paid off after less than a year in operation and the use of this cooling solution pays off with each following operating hour, the HeiCool ECO is in use. This can be crucial from an economic point of view - in addition to considerable cost savings, companies make a significant contribution to a positive CO2 balance.

The housing of the HeiCool ECO is made of a high-strength aluminum alloy – that is the reason why the fan unit is also suitable for mobile use, e.g. it is well suited for railway applications - and impresses with a high-quality appearance and the special design of the ventilation holes.

With an energy consumption of just 5 W per fan, the three energy-saving fans used are particularly low in energy consumption and, with a flow rate of 175 $m^3$ / h they are still at the same level as comparable conventional fans. For example, if the cabinet needs to be cooled by 25 K, each of the fans used is capable to circulate a power dissipation of about 1400 W.

The HeiCool ECO is available for various installation situations. In addition to a 19” version for conventional installation in a 19” cabinet, there is also a version as a plug-in variant. For that version the fan tray can easily be plugged in and out of the cabinet on a high-quality aluminum frame at any time. Furthermore, the HeiCool ECO is equipped with an LED display that allows the user to view permanently the operating status of the fan tray.

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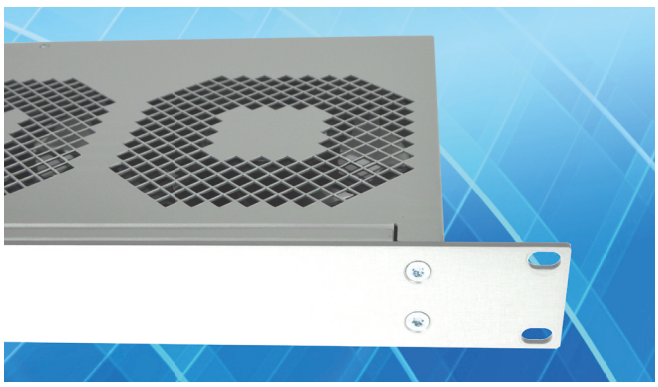
## Energy-efficient cooling solution



View of the HeiCool ECO for 19” installation with reinforced front panel and double screw fastening for extra high stability


HeiCool ECO with mounting frame for easy insertion and removal within the cabinet

| Article | Description | Height | Width | Side panel depth | Power supply |
|---|---|---|---|---|---|
| 9922.881 | for 19”-Installation | 1 U (44,45 mm) | 84 HP (426,72 mm) | 245 mm | 230 VAC, 50 Hz/60 Hz |
| 9922.882 | with mounting frame | 1 U (44,45 mm) | 84 HP (426,72 mm) | 305 mm | 230 VAC, 50 Hz/60 Hz |
| 9923.860 | for 19”-Installation | 1 U (44,45 mm) | 84 HP (426,72 mm) | 245 mm | 115 VAC, 50 Hz/60 Hz |
| 9923.861 | with mounting frame | 1 U (44,45 mm) | 84 HP (426,72 mm) | 305 mm | 115 VAC, 50 Hz/60 Hz |

## Technical Summary

- Dimensions in accordance with IEC 60297-3, IEEE 1101.1
- Housing made of high-strength aluminum alloy
- Equipped with LED lamp for displaying the operating status
- Shock and vibration test according IEC 61587-1 (DL2V / DL2S) and EN 50155 (EN 61373 cat. 1, class B)
- Operating temperature: -20°C to 55°C
- Very good EMC protection
- Certified according to EN 60950 (CE)

Fans:

- Flow rate 3 x 175 $m^3$/h
- Energy consumption 5 W per fan
- Noise level 42 dB(A)

### Customer Benefits

- Due to the use of energy-efficient fans enormous savings potential in energy costs
- Various installation options
- Very high mechanical strength due to the use of high quality materials
- Suitable for mobile applications
- Easy to adapt to individual customer requirements

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