

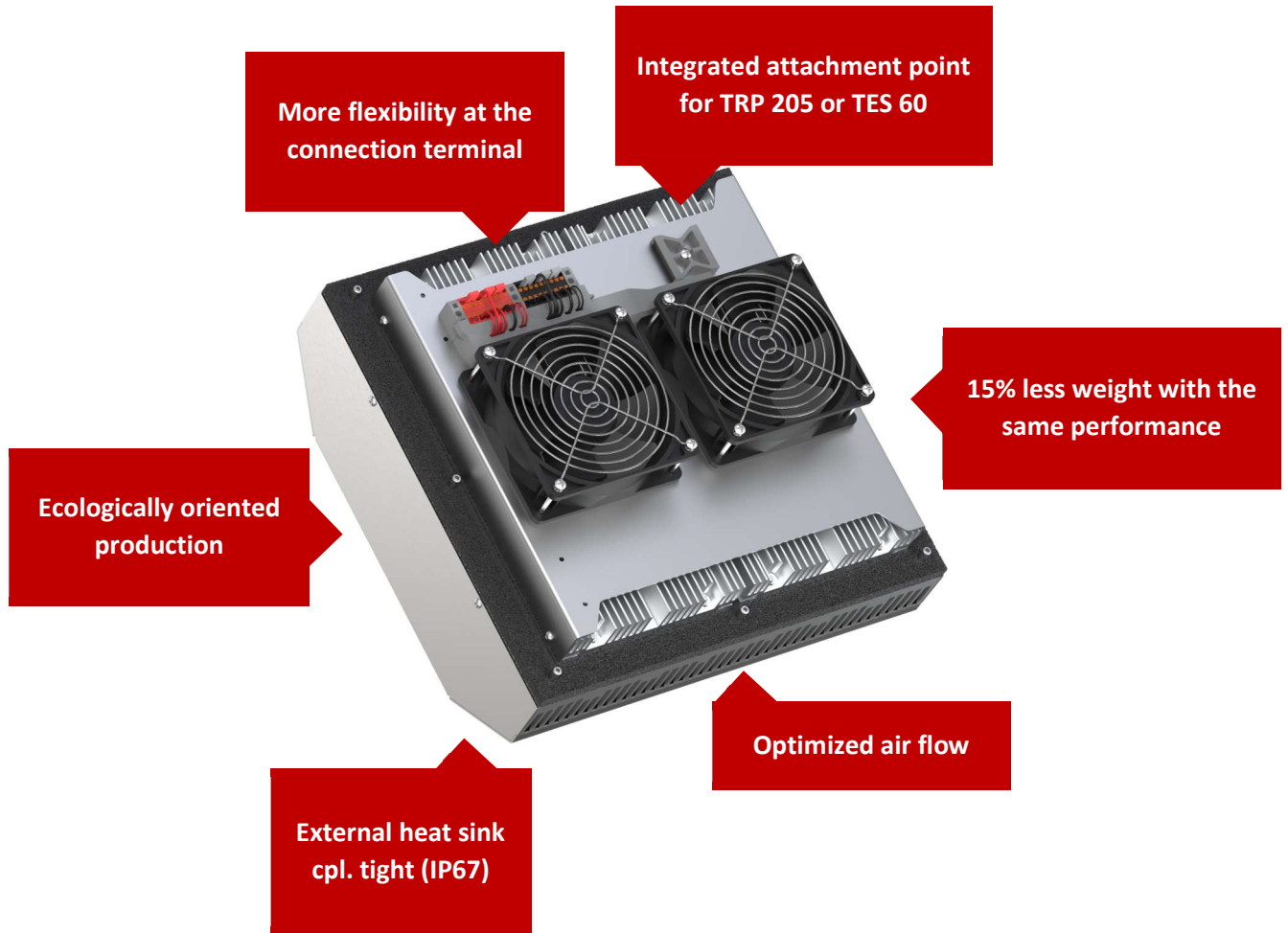
**PROVEN REFINED**

**IMPROVED AND OPTIMIZED**



**THERMOELECTRIC COOLER PK-300**

# INNOVATIVE AND UP TO DATE



Ecologically oriented development and production:

- recyclable materials
- Stainless steel and aluminum without environmentally harmful surface treatment
- Reduction of mechanical processing due to optimized aluminum profiles
- no ozone polluting refrigerant required



The proven PK 300 cooling unit has been completely revised and optimized.

The installation dimensions and the external dimensions have remained the same. Only the additional housing has been enlarged.

By optimizing the heat sinks and air ducting, the weight could be reduced by 15%, with the same cooling capacity.

## REDESIGN PK-300

The tightness of the device has been improved so that IP67 is now achieved when installed. Thus, it is also predestined for adverse environmental conditions and can be used in any position.



On the inside, 2 powerful fans ensure a better flow through the heat sink now. This provides more space inside, which can be used for connection terminals and controllers.

The temperature controllers TES 60 or TRP 205 can be mounted directly on the cooling unit. This simplifies installation and wiring.

The installation depth is reduced by the new position of the connection terminal and the terminal is more accessible. Depending on the control, the connection can be made flexibly.

In the variant with additional housing, the condensate can be drained directly from the additional housing to the outside when mounted vertically, without it entering the control cabinet.

The condensate is discharged to the outside via an OUT-FIT element, which ensures pressure equalization and prevents water ingress.



## PK-300-PS (100 – 240V AC)

### WITH INTEGRATED POWER SUPPLY AND TEMPERATURE CONTROLLER

Ready for installation

- for direct connection to AC mains voltage 100 - 240 V,
- optionally with two-point controller for heating and cooling operation or Peltier controller with extensive control and monitoring functions for highest demands



PK 300-PS-TPC with Controller TPC 300



PK 300-PS-TRP with controller TRP 205

- Reduced weight
- Inside 2 fans instead of 4 before
- With plug-in connector Wieland GST 15i3
- Variants with additional housing available
- 2 different controllers available:
  - **TRP 205**: heating and cooling
  - **TPC 300**: different control programs, monitoring of the Peltier elements and the fans, interface for remote monitoring