

Premiere at the IAA: ECOOLTEC presents numerous innovations for even greater efficiency and comfort

- **New flat evaporators with even greater energy efficiency also offer complete flexibility in the design and temperature control of multiple-compartment refrigerated trucks**
- **New remote control enables standardised operation**
- **New housing for the TM182 transport refrigeration unit reduces the weight of the system to under 200 kilogrammes**

ECOOLTEC is presenting two new flat evaporators and a new remote control for its particularly sustainable transport refrigeration systems at the IAA TRANSPORTATION 2024. They will also show a newly designed unit housing. These innovations offer customers several advantages in terms of efficiency and cooling ability.

After ECOOLTEC Grosskopf GmbH appeared at the IAA 2022 as a newcomer, the company from Mülheim a. d. Ruhr has now made a name for itself in the industry as the only manufacturer of particularly sustainable transport refrigeration units with purely electric drives and natural refrigerants. ECOOLTEC is the only manufacturer to offer a truly sustainable solution for light to heavy commercial vehicles. For the IAA TRANSPORTATION 2024, ECOOLTEC is optimising many details and components of its transport refrigeration systems.

New flat evaporators for more flexibility in the design of multi-temp vehicles

The dual-discharge flat evaporator E1312 is completely new. The number 13 at the beginning of the type designation stands for the width of the system, while the

following two digits provide information on the number of fans and discharge directions. In this case, the evaporator measures one third of the cargo space width. This makes it possible, for example, to use the E1312 in multi-temp bodies that are divided lengthways by a partition wall in a ratio of one to two thirds to transport fresh and frozen goods at the same time. It is also possible to install this evaporator for example in the middle of the vehicle, as the air is discharged in opposite directions. The E1312 also has an optimised design, providing even more power, which leads to higher cooling capacity while remaining very energy-efficient and easy to maintain. ECOOLTEC will be demonstrating the flat evaporator during the show at its stand A16 in hall 27 and on a MAN TGM owned and operated by Transgourmet together with its demonstrator truck in the outdoor area K43 and J44.

In addition, a new technical generation of the single-discharge flat evaporator E1221 replaces the previous model. The E1221 takes up the space of half a vehicle width and is therefore suitable both for a one-to-one longitudinal partition and for use with transverse partitions. The new version of the E1221 has the same advantages as the E1312. With these two versions, ECOOLTEC offers fleets full flexibility when constructing and operating multi-temp compartment vehicles.

New housing optimises air flow and further reduces energy requirements

The ECOOLTEC TM182 transport refrigeration system has also been given a new housing. The redesigned front results in an optimised air intake. This new geometry facilitates a 20 percent increase in condenser air flow resulting in improved heat transmission. This in turn leads to higher energy efficiency and reduced energy consumption, which is already significantly more economical than conventional systems; allowing the fans to run slower also reduces noise emission. In addition, the new housing weighs 25 kilogrammes less than the previous version and in total only 190 kilograms.

Remote control for the requirements of temperature-controlled transport

To date, customers use an app via a smartphone to remote control the system. Now, ECOOLTEC has designed and developed its own standardised remote control with a high-resolution graphic display that meets the special requirements of temperature-controlled transport. It can be mounted in various positions - in the driver's cab, on the front bulkhead as well as in the rear of the body, where the unit can be operated from during the loading process.

The new remote control is designed to work in all temperatures, even in the body's freezer compartment. All functions of the transport refrigeration systems can be selected quickly and conveniently using five buttons.

ECOOLTEC has already made the transition to sustainable transport refrigeration

Once again, ECOOLTEC proves that sustainable transport refrigeration is a practical reality and available today. The compact yet powerful TM182 refrigeration unit relies exclusively on natural refrigerants and boasts an electric drive that makes it particularly environmentally friendly and future-proof. In view of the EU-wide F-Gas Regulation and the associated bans or shortages of fluorinated refrigerants, the industry is facing an unavoidable switch to sustainable alternatives. ECOOLTEC has already made this transition. Significant CO₂ savings and long-term refrigerant availability thanks to environmentally friendly transport refrigeration technology are a reality at ECOOLTEC.



caption:

Premiere at the IAA TRANSPORTATION 2024: In addition to two optimised flat evaporators, ECOOLTEC is also presenting a new remote control for greater ease of use.

ECOOLTEC Grosskopf GmbH is a European manufacturer of future-oriented, environmentally friendly transport refrigeration systems. The mission of the company is to offer operators of refrigerated vehicles transport refrigeration systems which are particularly sustainable, efficient and reliable. Key features of the ECOOLTEC technology are the exclusive use of natural refrigerants with no greenhouse warming potential and the all-electric alternator or battery drive. The company's headquarter and production site is in Mülheim a. d. Ruhr (North Rhine-Westphalia). The management board consists of Henning Altbäumer, CEO, and Dr Jürgen Süß, CTO. ECOOLTEC also owns ECOOLTEC UK Ltd. which is located in Buckingham (Buckinghamshire), Managing Director is John Winter.

Your contact for further questions regarding the press release

Thomas Rosenberger
GSM +49 160 8204934
email: press@ecooltec.com

Further information about ECOOLTEC: www.ecooltec.com