



P R E S S R E L E A S E

ConExpo-CON/AGG 2020: Reliable thermal management for off-highway and construction vehicles

- High-voltage solutions for HVAC systems in construction vehicles
- Ideal temperature in the driver's cab thanks to climate control systems from Eberspaecher
- Electric heating for hybrid and battery electric construction vehicles

Esslingen / Las Vegas, 12 December 2019 – The Eberspaecher Group is one of the world's leading system developers and suppliers for the automotive industry. From 10 until 14 March 2020, the company will exhibit efficient, powerful thermal management solutions for off-highway and construction vehicles at ConExpo-CON/AGG in Las Vegas, NV. Visitors to Bronze Hall, Booth# B – 92725, are invited to experience the comprehensive Eberspaecher product portfolio offering heating and cooling solutions for almost every application.

On construction sites, outside temperatures can vary considerably depending on the season or environmental conditions. Here, reliable thermal management is very important for the driver's safety and well-being. French climate control specialist **Eberspaecher Kalori** designs and manufactures heating, climate control and ventilation systems, as well as OEM accessories, for commercial and special vehicles. In order to optimize airflow and HVAC development for specific cab environments Eberspaecher Kalori relies on the SIMULKA® thermodynamics software. This enables the specialist to guarantee high quality and short development times. The product range includes **high-voltage solutions** as well as lower voltage packages for HVAC systems that reliably guarantee a constant temperature and optimal airflow in the driver's cab. At ConExpo-CON/AGG Eberspaecher

will show its solutions in evaporation, heat exchanging and air conditioning. For many of the HVAC units electrical PTC heaters can be integrated for cabin applications in voltages from 12V DC to 700V DC. The new **HK EVO4 Head Liner** is especially suitable for harsh environments or very hot temperatures. The very thin ceiling air conditioner with a power of 8.6 kW is designed for large cabins. It is also available in A/C evaporator versions.

Fuel operated heating solutions ensure reliable temperatures

At the beginning of the working day, the robust **Airtronic** air heater makes sure the driver's cab is preheated to the ideal temperature. Thanks to its compact design, the fuel operated heater can be installed in tight space. It is an impressive system with its low energy consumption and very fast cab heating capability. It can run for long periods of time with minimal energy consumption. The Airtronic has many safety and diagnostic features making it a reliable pre-heating system. Low maintenance and easy service procedures are further benefits. If the cab and the engine need to be preheated the engine-independent **Hydronic** water heater is the solution of choice. Fuel consumption is low and because of its brushless motor, the system is very quiet. The heat to the cab is distributed via the vehicle's heat exchanger. Depending on the model, the Hydronic series offers an enlarged service life of up to 5,000 operating hours and an automatic altitude adjustment up to of 3,000 m above sea level. The power version comes with 5.6 kW of heating performance. Eberspaecher heating systems can easily be operated by the **EasyStart Pro** operating element. In addition to a timer function it has an integrated temperature sensor, simple diagnostic functions for the users and more detailed diagnostic functions for the workshop. The timer function allows the user to set up to three programming locations or have the heater run endlessly.

Reliable electric heating for all drive types

At low temperatures, construction work and the transport of building materials must be ensured. Eberspaecher's **Titronic CHHV 50 G3** is a purely electrical solution for fast, reliable heating of off-highway and construction vehicles with a hybrid or electric drive. The compact high-voltage coolant heater warms up the driver's cab using PTC technology: Based on their in-system self-control effect, these high-performance PTC elements protect against overheating, enabling safe and powerful heating.

Captions:

- *The Airtronic air heater from Eberspaecher heats quietly and features a long service life.*
- *The third-generation Hydronic water heater impresses with its durable brushless motor.*
- *The Eberspaecher Titronic CHHV 50 G3 reliably heats off-highway vehicles with a hybrid or electric drive thanks to its PTC technology.*

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About Eberspaecher:

With approximately 10,000 employees at 80 locations worldwide, the Eberspaecher Group is one of the automotive industry's leading system developers and suppliers. The family business, headquartered in Esslingen am Neckar, stands for innovative solutions in exhaust technology, automotive electronics and thermal management for a broad range of vehicle types. Eberspaecher components and systems provide more comfort, greater safety and a cleaner environment on or off the road. In 2018, the Group generated revenue of around 4.6 billion euros.