

Smaller, lighter, more sustainable: Webasto exhibits new heating solutions at the IAA Mobility trade fair in Munich

The Next Generation Coolant Heater sets new standards for electric high-voltage heaters in terms of installation space and weight.

Gilching – August 24, 2023 – For system that demand particularly high heating performance requirements, Webasto’s high-voltage heaters (HVH) deliver an ideal solution: The powerful heating system for hybrid and electric vehicles tempers both the vehicle cabine and the batteries. With its Next Generation Coolant Heater, Webasto is launching an electric heating system built on a platform basis, allowing it to be flexibly adapted to meet different customer requirements. It is based on innovative heating technology that is integrated into an installation-space-optimized heat exchanger and is suitable for both 400- and 800-volt vehicle architectures. Its heat output is scalable between three, six and nine kilowatts. Webasto’s Next Generation Coolant Heater moreover facilitates a flexible interface with the customer’s vehicle architecture, irrespective of voltage and heat output. “Webasto is setting new standards for electric heating with the Next Generation Coolant Heater”, explains Marcel Bartling, Chief Technology Officer of Webasto SE. “The concept is our answer to wide-ranging customer requirements and allows us to scale along demand. The new platform gives our customers a flexible interface. By taking a modular approach we are able to achieve a high level of production automation, offering excellent flexibility in terms of the higher volumes we can manufacture. We have already won our first European order and are now looking forward to launching the innovative concept – which we fully expect to reach production standard in two years’ time – at the IAA trade fair this year.”

Sustainable development

The Next Generation Coolant Heater is a refinement of our HVH portfolio. The platform concept is specifically designed to meet customers’ increasingly tight installation space constraints and saves both weight and raw materials. “For example, the aluminum content of the Next Generation Coolant Heater is reduced by almost 50 percent compared to the actual 10 kilowatt variant, ensuring a weight reduction of 30 percent”, explains Bartling. “Webasto is taking an important step towards sustainability with this new concept.”

Success story continues

Webasto has been mass producing the first 800-volt coolant heater – the HVH 100 – since 2019. The high-voltage Heater delivers up to 10 kilowatts of heat output at an efficiency of over 95 percent. The HVH 100 Compact, which will be available from 2024, packs the same performance into a smaller size and weight. It will be launched at the IAA Mobility 2023 trade fair. From next year, Webasto’s portfolio will also include the HVH 120, a powerful solution specifically designed for commercial vehicles. The unit delivers a heat output of up to 12 kilowatts. Webasto is launching the HVH 100 Compact and the HVH 120 at IAA Mobility 2023.

About Webasto:

The Webasto Group is a global innovative systems partner to the mobility sector and is among the top 100 suppliers to the automotive industry worldwide. The company's product portfolio comprises in-house developed roof systems, heating and cooling systems for various types of vehicle, batteries and charging solutions for hybrid and electric vehicles, as well as complementary services relating to thermal management and electromobility. Webasto's customers include manufacturers of passenger cars, commercial vehicles and boats as well as dealers and end customers. In 2022, the company generated sales of 4.4 billion euros and employed some 16,800 people at more than 50 locations. The headquarters of the company founded in 1901 is located in Stockdorf near Munich, Germany. For more information, go to www.webasto-group.com

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