**Press Release**

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Schmitz Cargobull AG

**S.CU d80 ePTO ready transport cooling unit: cost-efficient, emission-free refrigerated transport**

**Schmitz Cargobull is the first trailer manufacturer and market leader for refrigerated box body semi-trailers to offer a series-produced diesel-powered transport cooling unit capable of running emission-free off the tractor unit’s electric power take-off. The S.CU d80 ePTO ready enables the economic transformation of temperature-controlled transport to alternative drive systems.**

September 2024 – Schmitz Cargobull celebrates a true world premiere at IAA TRANSPORTATION with the expanded functionality of the diesel-powered S.CU d80 transport cooling unit. The S.CU d80 is now factory-fitted with optional preparation for an electric power take-off (ePTO), allowing purely electric operation when towed by an electric tractor unit. Andreas Schmitz, Chairman of the Board of Schmitz Cargobull AG, explains: “Our customers benefit from this solution’s high flexibility and low investment costs. The S.CU d80 with ePTO enables 100% electric operation backed up by diesel operation if an electrical energy source is not available. The low investment costs help transport companies to handle the energy transition because the refrigerated semi-trailer requires neither a high-voltage battery nor an e-axle.”

An ePTO interface connecting the cooling unit to an electric tractor unit provides the most economical means of ensuring emission-free cooling in a refrigerated semi-trailer. This eliminates the need to equip the refrigerated box body semi-trailer with expensive battery and charging technology and also enables the trailer to be operated cost-effectively with a full payload.

At IAA TRANSPORTATION 2024, Schmitz Cargobull will present the S.CU d80 ePTO ready at its stand, and the outdoor area in combination with an electric Mercedes-Benz eActros 300 tractor unit.

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An ePTO electric power take-off on the electric tractor unit allows additional consumers, such as the transport cooling unit on a refrigerated box body semi-trailer, to run purely on electricity. The transport cooling unit itself can be either a purely electric or a diesel-powered cooling system. The Schmitz Cargobull S.CU d80 ePTO ready can be operated fully electrically in combination with an e-truck. The electric tractor unit’s traction battery supplies the transport cooling unit with electrical energy via the ePTO. The S.CU d80 ePTO ready remains equipped with a diesel generator set, which supplies the cooling unit with energy if the electrical power supply fails. The control in Schmitz Cargobull’s S.CU cooling unit automatically switches back and forth between the ePTO and the diesel generator, ensuring that the S.CU remains consistently operational thanks to the two different energy sources. This is the ideal solution for refrigerated logistics providers as it guarantees maximum flexibility within a mixed fleet, regardless of the drive system and truck brand.

Schmitz Cargobull is the first trailer manufacturer to factory-fit a complete hybrid solution: the S.CU d80 ePTO ready. For more than 12 years, Schmitz Cargobull has offered its own transport cooling unit solutions with the S.CU (semi-trailer cooling unit). These solutions are optimised for use with FERROPLAST® cooling bodies and the TrailerConnect® telematics system. All Schmitz Cargobull S.CU refrigerated box body semi-trailers with transport cooling units include a 24-month service contract with proactive monitoring and are factory-fitted with the TrailerConnect® telematics system. Contracts can be extended at any time. In times when drivers are in short supply, comfort plays an important role and has not been neglected. That is why all S.CU transport cooling units come with the Silence Kit as standard for optimal noise reduction. What’s more, they feature intuitive menu navigation on the control unit. All data and functions, such as two-way communication, optional RemoteStart and CargoSets, are integrated into the TrailerConnect® telematics system.

Optionally, the Schmitz Cargobull S.CU d80 cooling unit with its robust MonoTemp four-cylinder diesel motor is available as an ePTO-ready version featuring an electric power take-off.

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The system delivers up to 14,000 watts of cooling output and up to 10,500 watts of heating output and is also distinguished by its low fuel consumption and the lowest noise emissions (94.9 dB(A)) in its performance class.

**About Schmitz Cargobull**

Schmitz Cargobull is the leading manufacturer of semi-trailers for temperature-controlled freight, general cargo and bulk goods in Europe, and a pioneer in digital solutions for trailer services and improved connectivity. The company also manufactures transport cooling units for refrigerated box body semi-trailers for temperature-controlled freight transport. With a comprehensive range of services from financing, spare parts supply, service contracts and telematics solutions to used vehicle trading, Schmitz Cargobull supports its customers in optimising their total cost of ownership (TCO) and digital transformation. Schmitz Cargobull was founded in 1892 in Münsterland, Germany. The family-run company produces around 60,000 vehicles per year with over 6,000 employees, and generated a turnover of around €2.6 billion in the 2022/23 financial year. The international production network currently comprises ten plants in Germany, Lithuania, Spain, England, Turkey, Slovakia and Australia.

**The Schmitz Cargobull press team:**

Anna Stuhlmeier +49 2558 81-1340 I [anna.stuhlmeier@cargobull.com](mailto:anna.stuhlmeier@cargobull.com)

Andrea Beckonert +49 2558 81-1321 I [andrea.beckonert@cargobull.com](mailto:andrea.beckonert@cargobull.com)  
Silke Hesener +49 2558 81-1501 I [silke.hesener@cargobull.com](mailto:silke.hesener@cargobull.com)