**Press Release**

**2025-507**

Schmitz Cargobull AG

**Efficient cool chain management**

**Cool and sustainable transport solutions with Schmitz Cargobull S.KO COOL refrigerated box body semi-trailers**

* **Best insulation ex works in series production with a k-value of 0.295 W/m2K**
* **Standard telematics equipment with TrailerConnect**®
* **TrailerConnect® Data Management Center (DMC)**
* **TrailerConnect® TourTrack**
* **Schmitz Cargobull transport cooling units (S.CU d80 ePTO ready, S.CU dc85)**
* **Schmitz Cargobull CargoSets**
* **TAPA standard-compliant safety equipment**
* **Immobiliser – for enhanced safety**
* **Type-approved all-electric S.KOe COOL refrigerated box body semi-trailer**

May 2025 – The Schmitz Cargobull S.KO COOL refrigerated box body semi-trailer, equipped as standard with the TrailerConnect® telematics system, a digital temperature recorder, a Schmitz Cargobull transport cooling unit and a Full Service contract, is breaking new ground for temperature-controlled transportation. The refrigerated box bodies with FERROPLAST® panels guarantee top insulation with a k-value of 0.295 W/m²K in series production and – when combined with the S.CU transport cooling unit – ensure low energy costs for a reliable cooling performance. Its short chassis offers the best possible coupling height and available interior height, thereby maximising flexibility for use by the customer. The S.CU cooling unit comes included with a Full Service contract for the first two years, which increases safety, planning reliability for costs, and uptime of the S.CU. The vehicles are equipped with countless safety functions and convenient features for the safe transportation of freight and efficient fleet management.

**Telematics ex works**

Vast amounts of data and information about the trailer and its cargo are continuously recorded by the standard TrailerConnect® telematics system, enabling data relating to the trailers and fleet to be processed effectively for easy analysis and control. Thanks to the standard integration of the TrailerConnect® telematics system, the connected semi-trailer is

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transformed into an IoT device and a fundamental aspect of transparency in the supply chain. The TrailerConnect® portal functions as the central data platform, consolidating and displaying all relevant telematics data – regardless of the telematics hardware used. And it not only displays data from Schmitz Cargobull telematics units, it is also able to integrate data from countless other telematics providers. This includes data about the vehicles’ location, temperature, tyre pressure, EBS information and door status. This data is sent to the TrailerConnect® portal and the beUptoDate app for dispatchers and the beSmart app for drivers. It is used to monitor the condition of the freight and semi-trailer, optimise routes and schedules and improve the efficiency of logistics. With TrailerConnect® FleetTrack, the user receives in-depth information about their fleet and individual trailers in real time, including the location and availability of trailers, for instance. The portal can also be used to create customised reports and check the history of all events, locations and temperatures. For example, information about the semi-trailer’s door and coupling status can be accessed at any time.

**TrailerConnect® Data Management Center (DMC)**

When it comes to transparency and connectivity, Schmitz Cargobull supports freight forwarders in their daily transport operations with its TrailerConnect® Data Management Center (DMC). Using this solution, freight forwarders can provide their contractors and customers with order-relevant data selectively and securely. To enable the real-time data to be used even more efficiently, Schmitz Cargobull relies on strategic partnerships with more than 40 established providers, such as Krone, idem, Trimble, RIO, ZF Transics, CO3, etc.

With the DMC’s import function, customers are able to standardise their entire fleet – regardless of the individual manufacturers – on the TrailerConnect® platform.

The benefits of the TrailerConnect® Data Management Center for freight forwarders are clear. It can be used with connected systems straight away, without any need for extra IT work. The entire fleet’s real-time data is monitored and managed from a central location. Outgoing interfaces with common real-time visibility platforms and telematics system can be used immediately. Users manage the data release process themselves, actively decide which data should be selectively shared and therefore retain data sovereignty at all times. This means full protection for the user’s business and logistics network. Sensitive business data regarding the haulier’s own network and the sub-contractors involved is protected. All semi-trailer and transport data is protected in accordance with GDPR and can be accessed

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from one place for the entire fleet. Together with TrailerConnect® TourTrack, the user is able to access all tour-relevant information in real-time, keep a close eye on routes and respond quickly to changes in the workflow. Interactive temperature management and other functions are available on a tour- and order-basis (FTL/LTL).

**TrailerConnect® TourTrack**

TrailerConnect® TourTrack comes into play once all data along the supply chain is connected. With the TrailerConnect® TourTrack service, freight forwarders can keep an eye on their journeys and transport orders and monitor and manage their business with just a few clicks. Routes can be imported from transport management systems (TMS) into the TrailerConnect® portal quickly and easily or created manually so that they can then be managed in real time. Vehicle information can also be shared via a Track & Trace link or an interface to a third-party system. Only the selected data from a particular tour or order (LTL) is shared with other platforms, e.g. the shipper’s real-time visibility platform (RTVP).

As a result, transport firms can retain full control over their data, while still offering the end customer the required level of transparency for the flow of goods. Logistics companies and shippers can easily receive information that is relevant to them from across the supply chain, such as location- and temperature-related data and expected arrival times (ETA). Unplanned deviations become immediately visible, delays can be analysed and key temperature data can be automatically sent to the recipient.

**S.CU transport cooling units**

Schmitz Cargobull’s range of transport cooling units now includes the two diesel-powered S.CU d80 and S.CU dc85 units, and the all-electric system, the S.CU ep85. The S.CU dc85 and the S.CU ep85 cooling units are also available as MultiTemp versions.

The S.CU transport cooling units are distinguished by their user-friendly handling and simple maintenance. Thanks to the wide door opening and optimum arrangement of diesel and oil filters, maintenance work can be performed quickly and without any hassle. The electrified cooling circuits also reduce the number of components that require maintenance. With the microchannel condenser and a defined air flow rate through the engine chamber, the S.CU models offer a high level of operating reliability, even at extreme ambient temperatures. Efficient defrosting is ensured by the double-length slat spacing and integrated electric heating

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elements, which reduces defrost cycles by 30% and also boosts efficiency. A particular highlight is the Silence Kit, which is integrated as standard and ensures quiet operation without impairing performance. It significantly improves comfort for the driver, which is particularly relevant in the age of driver shortages. The S.CU transport cooling units offer telematics solutions, such as CargoSets and RemoteStart, which offer default configurations for various transport requirements, on the one hand, and also enable the cooling unit to be started remotely, on the other. All Schmitz Cargobull S.CU cooling units come with a 24-month Full Service contract ex works, which includes the TrailerConnect® telematics contract and proactive monitoring of the cooling unit through ‘Smart Service’. The TrailerConnect® portal provides customers with all relevant information about the status of the cooling unit via the FleetWatch fleet monitoring dashboard. A particularly noteworthy feature is the Proactive Monitoring function, which enables the operating status of S.CU cooling units and trailers to be monitored in real time in the dashboard. As part of this process, an automatic fault analysis is created and the system provides recommended actions to resolve the issue, allowing for early responses during day-to-day transport operations and enabling the rapid resolution of problems. Contracts can be extended at any time and also tailored to suit the customer’s respective needs.

**Cost-efficient transformation in refrigerated transport: The S.CU d80 ePTO ready transport cooling unit**

Schmitz Cargobull is the first trailer manufacturer and market leader for refrigerated box body semi-trailers to offer a diesel-powered series-produced transport cooling unit capable of emission-free operation through the tractor unit’s electric power take-off. The S.CU d80 now has the option of being fitted with an electric power take-off (ePTO) ex works, allowing purely electric operation when towed by an electric tractor unit. This option is more cost-efficient as no additional HV battery has to be installed in the trailer. This means maximum flexibility in a mixed fleet as a trailer equipped with this cooling unit can be used flexibly regardless of the tractor unit’s drive system. The S.CU d80 ePTO ready offers maximum reliability as it can automatically switch from electric to diesel mode. If no electric energy is available, the built-in diesel generator therefore serves as a back-up.

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**For the highest customer standards, maximum reliability and efficient temperature management: The S.CU dc85 transport cooling unit**

The S.CU dc85 from Schmitz Cargobull’s modular system offers bespoke solutions, simple maintenance and a rapid supply of spare parts in order to meet the requirements in the high-range segment. Thanks to the enhanced, cutting-edge diesel common rail technology and intelligent partial-load control, fuel consumption is optimised and allows for sustainable and cost-efficient operations. The S.CU cooling unit’s electronic speed control guarantees precise temperature management and maximum comfort. Reducing fluctuations in speed ensures constant and reliable temperature management. With the MultiTemp design, fast and secure loading is not a problem thanks to the maximum interior height, which is achieved through the partially recessed additional roof evaporator and protective frame. Thanks to cutting-edge technology and the diesel engine’s variable speed control, the S.CU dc85 consumes less fuel\* while offering precise temperature management, which helps to significantly reduce running costs. The microchannel condenser ensures greater operational reliability at high outside temperatures and reduces refrigerant consumption. All data and functions, such as two-way communication, RemoteStart and CargoSets, are integrated into the TrailerConnect® telematics system as standard. The RemoteStart activates the cooling unit remotely at a pre-set time, so that the temperature required during transport is reached by the start of the journey.

Schmitz Cargobull offers its transport cooling units with a tried-and-tested and future-proof modular system, which also allows for perfectly tailored solutions. This system not only ensures simple maintenance, but also a rapid supply of spare parts, which maximises uptime and minimises downtime.

Trailers with an S.CU dc85 in the MultiTemp design offer a maximum interior height and the best possible k-value, which ensures optimal insulation and energy efficiency.

**\***Compared to the previous model S.CU V2.0 Performance

**Schmitz Cargobull CargoSets**

With its CargoSets, Schmitz Cargobull is taking a pioneering step towards further digitalisation and connectivity within transport logistics. In the past, setpoints and the operating mode could

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be configured individually via the TrailerConnect® portal. However, it is now possible to create preconfigured operating settings – known as CargoSets – and transfer them over-the-air to the transport cooling unit (standard for the S.CU dc85 and optional for the S.CU d80). The pre-configured operating settings ensure that for every refrigerated task, the transported goods always remain at the correct temperature. This is achieved by simply creating CargoSets in the TrailerConnect® portal, directly transmitting these CargoSets over-the-air to the cooling unit, and the driver then simply activating them via the S.CU display.

**TAPA standard-compliant safety equipment**

Certification of the safety equipment to TAPA Trucking Security Requirements 1 was renewed in 2024. In order to meet the exacting requirements for the protection of highly priced and sensitive goods during transport, an integrated alarm and communication system triggers an audible alarm in the event of unauthorised access to the trailer by third parties. Alongside this audible alarm, the TL4 electronic door locking system ensures that freight is protected from unauthorised access by third parties. This is only available in combination with the Schmitz Cargobull networked TrailerConnect® telematics solution.

Users can define loading and unloading locations in the TrailerConnect® portal where the door locking system automatically unlocks the trailer on arrival or locks it when leaving. Geofence-areas only need to be configured once, simply and conveniently in the TrailerConnect® portal. Furthermore, once the trailer door has been closed, a general automatic lock can be activated at the touch of a button in the TrailerConnect® portal or beSmart app.

**Immobiliser – for enhanced safety**

The immobiliser protects the trailer from unauthorised movement and access. Once parked, it is activated in a few seconds and the trailer’s wheels are locked. The immobiliser can only be activated or deactivated by the driver on site using a PIN or by a remote user on the TrailerConnect® portal.

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**All-electric S.KOe COOL box body semi-trailer for emission-free transport**

Schmitz Cargobull has also launched an all-electric version of the S.KOe COOL refrigerated box body semi-trailer with electric cooling unit with built-in power electronics, high-voltage battery system and optional electric generator axle, for the emission-free transport of temperature-controlled freight. The type-approved Schmitz Cargobull generator axle

recuperates energy above a certain speed and during braking, and therefore extends the operating time of the cooling unit or reduces the charging times of the battery from the power grid.

**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 €2.4 billion in the 2023/24 financial year. The international production network currently comprises ten plants in Germany, Lithuania, Spain, England, Turkey, Slovakia and Australia.

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