**Press Release**

**2022-505**

Schmitz Cargobull AG  
**Smart features for cool transport solutions**

**The S.KO COOL deep-freeze semi-trailer**

* **New: S.KO COOL compatible with TAPA TSR1 ex works**
* **New air distribution system: Uniform cooling for the entire cargo area, efficient, durable and with pharmaceuticals certification ex works**
* **Further equipment available to ensure vehicle and cargo security**
* **100% SMART thanks to TrailerConnect® telematics system fitted as standard**

June 2022 – The S.KO COOL deep-freeze box body semi-trailer with a digital temperature recorder and standard factory-fitted TrailerConnect® telematics system has proven its temperature-controlled transport capabilities internationally.

It has now been provided with new security features that comply with TAPA TSR1 standards. The Transported Asset Protection Association (TAPA) is an organisation made up of manufacturers, logistics service providers, freight forwarders and law enforcement authorities that applies proven methods and procedures to improve the security of valuable assets around the world. Its goal is to reduce losses in the supply chain. By complying with TSR1 standards, the Schmitz Cargobull S.KO COOL refrigerated semi-trailer meets TAPA’s highest benchmark.

In order to meet the TAPA TSR1 requirements, a connected, acoustic alarm system has been integrated into TrailerConnect® and triggers an alarm if the trailer is accessed by an unauthorised third party. Alongside this acoustic alarm system, the new TL4 electronic door locking system ensures that goods are protected from unauthorised access. This smart, safe, and innovative function enables users to automatically control the door locking system, increasing process and transport safety. This is available exclusively in combination with the networked TrailerConnect® telematics solution from Schmitz Cargobull. Via the TrailerConnect® portal, users can define loading and unloading locations where the door locking system automatically unlocks the trailer on arrival or locks it when leaving.

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Geofence-areas only need to be configured once, simply and conveniently in 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.

The system offers a high standard of safety due to automating of the locking and unlocking processes. Once configured in the TrailerConnect® portal, risks are minimised and manual work as part of the transport process is reduced. This results in a higher level of control for dispatchers and lowers the demands on drivers. All of the locking and unlocking processes are fully documented and can provide proof that the trailer was locked continuously during the entire transport.

Additionally, the trailer can be equipped with alarm wires in the side panels and under the roof in order to fulfil customer requirements that go beyond TAPA TSR1.

Customers can therefore receive all requisite hardware components and portal functions ex works and from a single source. Options that have been perfectly tailored with one another help to prevent additional outlay and dual-invoice transactions.

The Schmitz Cargobull **air distribution system** has also been upgraded. The primary goal of these enhancements was to prevent ‘heat nests’ and to simplify handling to improve efficiency in everyday transport. The same also applies to the semi-trailers, which have been extended to a length of 17.8 m (type 1) and are now also offered by Schmitz Cargobull in Germany. The 14.9-metre-long trailers are also equipped with the TrailerConnect® trailer telematics system ex works and, thanks to the Schmitz Cargobull air distribution system, deliver the same optimum cooling as standard vehicles.

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In the new air distribution system, hoods made of flexible and collision-resistant material secure the connection between the cooling unit and the air duct. Their flexible design also provides protection against collision damage. The airflow and the air circulation in the trailer are enhanced by targeted guiding of primary and secondary flows in the air

ducts. The air ducts have an enlarged cross-section and the optimum arrangement of the ducts directs the air to the rear of the body and then back to the front. This

uniform air circulation throughout the entire structure ensures that the goods maintain a reliable temperature. Return air barriers above and on the sides of the circulation wall prevent hot and cold air from mixing. This helps ensure optimised air circulation.

The new distribution system also improves handling efficiency. For MultiTemp transport, the partition wall can now be positioned without any additional work. The partition wall effectively seals the air ducts, automatically distributing the air only in the front area up to the partition wall. The innovative mounting of the air ducts using quick release connections enables easy and hygienic cleaning. The reliability of the new air distribution system has been officially confirmed: DEKRA has certified the test procedure for the uniform air distribution when loaded. Efficient load securing is also guaranteed. The vertical load securing beams can be positioned quickly and easily between the air ducts to secure the goods.

**About Schmitz Cargobull**

With an annual production of around 42,500 trailers and with around 5,700 employees, Schmitz Cargobull AG is Europe’s leading manufacturer of semi-trailers, trailers and truck bodies for temperature-controlled freight, general cargo and bulk goods. The company achieved sales of approximately €1.74 billion in the 2020/21 financial year. As a pioneer in the industry, the North German company developed a comprehensive brand strategy early on and consistently established quality standards spanning every level: from research and development, through production and service contracts, to trailer telematics, financing, spare parts, and used vehicles.

**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)