



The fully electric semi-trailer box S.KOe COOL

Transporting temperature-controlled freight quietly and emission-free

Are you looking for an environmentally conscious solution without compromising on optimum cooling performance? Then the type-approved, fully electric S.KOe COOL with electric cooling unit with integrated power electronics, high-voltage battery system and electric generator axle is the right choice.

Why is the S.KOe COOL the best solution for you?

With reliable technology, the type-approved S.KOe COOL makes a real contribution to decarbonisation, without any additional systems or extra weight in the trailer. The solution for sustainable refrigerated transport that pays off.



Reliable complete system

The S.KOe COOL was tested under extreme conditions in the climatic wind tunnel with roller test bench. Temperatures from -30 to +50 degrees, high humidity, sunshine with high radiation intensity as well as rain, snow and ice pose no problem for the fully electric semi-trailer box.



Cooling expertise from a single source

The S.KOe COOL offers the best possible insulation values (from 0.295 W/m²K) ex works in series production. The battery is installed on the landing gear and replaces the diesel tank, allowing the pallet box to be used as usual. The elimination of the generator in the cooling unit and the diesel tank means that the payload remains virtually unchanged.



Maximum efficiency to maximum safety depending on requirements

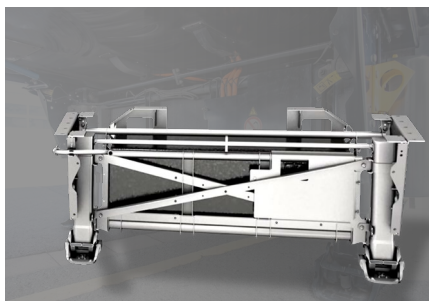
The S.KOe COOL can be customised precisely to the operating conditions: ECO mode for maximum energy and cost efficiency in refrigerated transport, STANDARD mode for cost-efficient availability of the electric cooling unit and SAFE mode for maximum safety in goods transport.

Electric, efficient, emission-free.

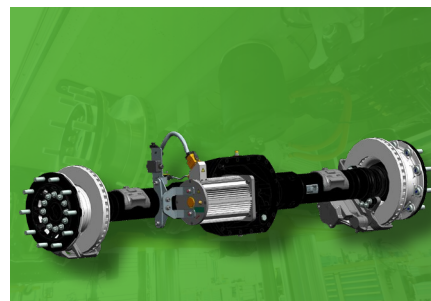
The recuperating e-axle generates energy and thus extends the operating time of the cooling unit. The battery charge management system ensures that the battery is charged depending on the selected mode in order to keep the temperature in the semi-trailer box constant at the set point.



SCU ep85 electric cooling unit with up to 15,800 watts of cooling capacity and 10,500 watts of heating capacity. The charging and battery management system ensures a constant and efficient energy supply.



Battery Power Pack with a capacity of 32kW/h. The lithium iron phosphate battery has a self-sufficient runtime of approx. 4.5 to 18 hours and requires approx. 2 hours for a full charge.



The e-axle recharges the high-voltage battery while travelling by regenerative and recuperative means, which extends the battery life and increases the availability of the all-electric refrigeration unit.



Click or scan
For detailed information on the trailer



Proven technology: The refrigeration circuit is identical to conventional cooling units. The handling remains the same and requires no further training.



Efficient air flow: With three air ducts and a collision-resistant hood, the tempered air is evenly distributed throughout the body, ensuring low energy consumption.



Reliable load securing: The S.KOe COOL offers numerous equipment options customised to your transport needs. An intelligent system of load securing rails make loading and unloading safe and easy.

Temperature-controlled transport - customised and well thought-out.

As a strong partner for your success, we provide you with transport solutions and services that you can rely on, for greater cost-effectiveness, efficiency and transparency in your fleet and along the supply chain.



Ex works in every
S.KOe COOL

TrailerConnect® telematics provides you with real-time data for greater transparency and efficiency in your fleet and supply chain. In the **TrailerConnect® portal**, you can manage all your fleet's telematics data centrally - across all manufacturers - on one platform.

With **Proactive Monitoring** for trailers and cooling units, you can plan maintenance appointments in advance and ensure maximum uptime.

With **load carrier tracking**, you can monitor load carriers and loading equipment in real time to reduce loss and theft.

The **TrailerConnect® tyre pressure monitoring system** with autolocation assigns the integrated sensor to the correct tyre position. The sensor learns independently and records tyre pressure and tyre temperature data.

This means efficient fleet management, intelligent disposition, higher trailer availability and effective processes.

Service contracts

Increase your uptime, create cost transparency and reduce your workload with **service contracts*** for trailers, cooling units and tyres.

You can rely on:

The Schmitz Cargobull premium services and the competent partner network.

Customised financing and insurance from industry professionals

Second Hand – First Class Used in tested quality

TrailerConnect® Telematics and Digital Services for Smart Logistics

VALUE RELIABLE PARTS Spare parts that pay off, for the time value fair repair

Full Service for trailer, cooling unit and tyres

24h Order Genuine Spare Parts online, delivery within 24h

1,400 Service Partners - your specialist workshop network

24h 24h Cargobull Euroservice assistance across Europe

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Find out more about our exclusive services here.

Do you have any further questions for us? We are happy to advise you!

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* All expandable with the Smart Service Package for digital services or modules, e.g. „National Service“