

The cooling units S.CU

Precise temperature control for complete cold chain protection

Intelligent solutions for reliable temperature-controlled transport.



What makes the cooling unit S.CU the best solution?

The cooling units from the S.CU modular system guarantee efficient and safe transport of temperature-controlled freight in all performance classes, regardless of the drive type. The optimised temperature control in the refrigerated box body offers maximum performance for sensitive goods.



What unites all our cooling units? Performance!

The focus is on efficient temperature control. Thanks to a special evaporator design, only a few defrosting cycles are required. Integrated electric heating elements enable a fast defrosting process. The cooling and heating capacity is specifically tailored to the different applications.



When low volume meets intuitive operation, the result is greater convenience!

The clear and intuitive control panel is the same for all S.CUs. Settings can be made via the control panel, the beUpToDate and beSmart apps and the TrailerConnect® portal. The PIN-protected control panel can be set in more than 17 languages.



Smart services ensure maximum availability of the cooling units S.CU

All S.CUs are connected to the TrailerConnect® telematics system as standard. A 24-month full service contract* is also included. Proactive Monitoring provides real-time data and warns of deviations. Robust design and extended maintenance cycles ensure a high level of operational reliability, supported by a Europe-wide service network.

*Can be extended to up to 96 months.

The transport cooling units at a glance.

Maximum performance, convenience and service quality are common to all S.CUs. You can choose from different models to find the S.CU that perfectly matches your requirements.

Diesel-powered Cooling Units



S.CU dc90: Transport cooling unit for the most demanding customer requirements

- Efficient common rail diesel engine - Thermodynamically optimised with extended speed range
- Efficient 4-cylinder 2-stage reciprocating compressor
- Up to 6% more cooling capacity*
- Up to 10% lower fuel consumption*
- MultiTemp option
- 89% less CO2 equivalent – through the use of the refrigerant R454A
- Ready for further tightening of limits (e.g. TRU CARB 2023)



S.CU d80: Cost-effective entry-level model for the volume market

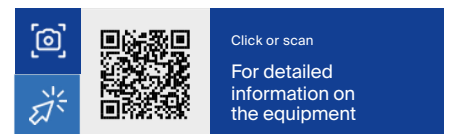
- Proven, robust, emission-optimised diesel engine
- Optimised refrigeration circuit with scroll technology and microchannel condenser for greater operational reliability at higher outside temperatures
- Quietest cooling unit on the market: 94.9 dB(A)
- Up to 14,000 W cooling capacity and 12,500 W heating capacity
- Reduced refrigerant charge for greater sustainability
- Available in MonoTemp version



S.CU ePTO ready: cost-effective emission-free solution in combination with an eTruck

- The S.CU d80 cooling unit is available ex works with an optional interface for an electric power take-off (ePTO).
- Maximum flexibility in a mixed fleet, regardless of the driveline type or truck manufacturer.
- Low investment costs, as no additional high voltage battery or e-axle required in the trailer.
- Protection against spoilage: Diesel generator as a backup if no energy is supplied via the ePTO. The energy supply is switched over independently by the S.CU control unit.

Electrically operated cooling units



S.CU ep85: The emission-free, all-electric cooling unit with innovative charging technology

- Integrated power electronics, battery operation incl. e-axle
- Optimised temperature control, especially for the transport of sensitive goods
- Autonomous running time up to 18h
- Up to 15,800 W cooling capacity, 10,500 W heating capacity
- Power supply (400 V AC, 50 Hz) via battery system or mains, charging with CEE plug
- On-board charger 22 kW
- Only in conjunction with the S.KOe

*Compared to the previous model S.CU dc85

Tempered transport,
customised and well
thought out.

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



Networked ex works
Cooling Unit S.CU

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 manu- facturers – on one platform.

Preconfigured operating settings, CargoSets, can be created for the S.CU in the **TrailerConnect® Portal** and transferred over-the-air to the cooling unit to ensure the right temperature.

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

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

Service contracts

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

You can rely on:

The Schmitz Cargobull premium services and the competent partner network.

- Customised financing and insurance from industry professionals
- TrailerConnect® Telematics and Digital Services for Smart Logistics
- Spare parts that pay off, for the time value fair repair
- Full Service for trailer, cooling unit and tyres
- Order Genuine Spare Parts online, delivery within 24h
- 24h Cargobull Euroservice assistance across Europe
- 1,400 Service Partners - your specialist workshop network
- Second Hand – First Class Used in tested quality

Click or scan
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“