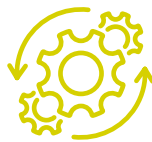


SKL eMotion-Pack

Electric drive solution for dry bulk unloading

CVS designs and produces oil- free compressors in Germany specifically for vehicle installation. The SKL eMotion-Pack is a high-performance, zero-emission compressor aggregate specifically engineered for Battery Electric Vehicles (BEV) and hybrid trucks. Developed in collaboration with fleet operators, it provides a sustainable and efficient alternative to traditional mechanical PTO systems.



Independent Unloading

Enables mobile unloading of silo trailers independent of stationary power connections or external systems.



Optimized for BEV

Lightweight and compact design maximizes truck payload and footprint efficiency.



Whisper-Quiet Operation

Significantly reduced noise levels compared to ICE units, ideal for urban deliveries.



Maintenance-Friendly

Direct-drive system eliminates hydraulic oils and mechanical shafts, reducing lifecycle costs and simplifying service.

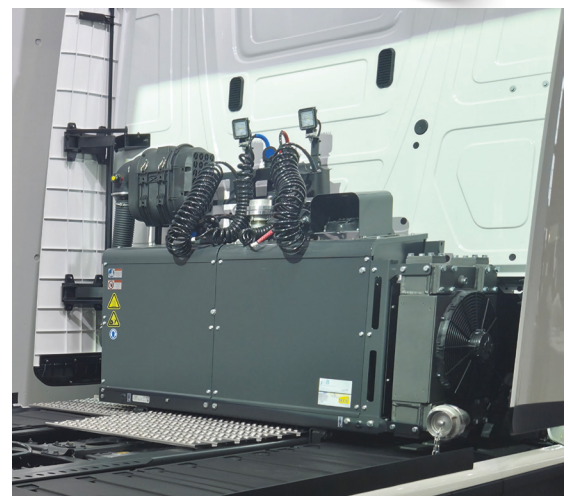
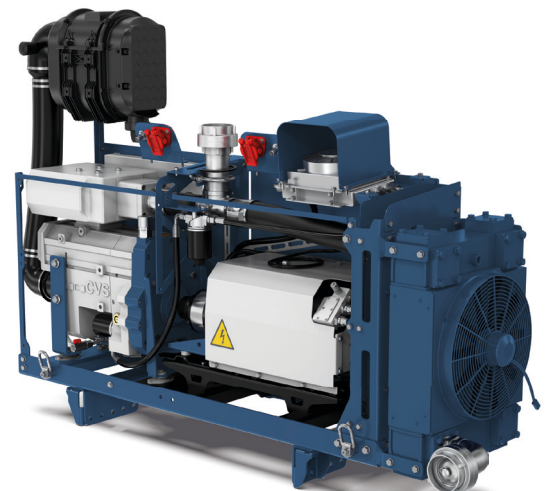
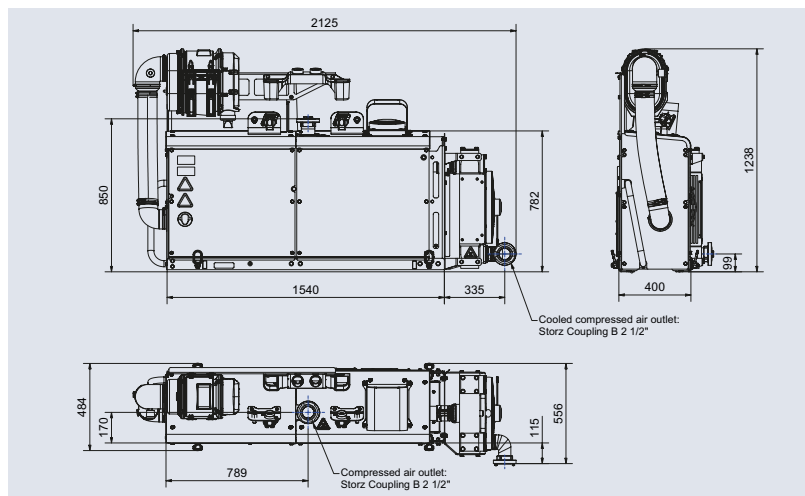


System Features & Installation

- **Advanced Filtration:** High-performance intake filter with an integrated maintenance indicator for optimal air quality.
- **Integrated Cooling:** Includes a high-efficiency oil cooler for operating oil and a compressed air aftercooler for temperature-sensitive cargo.
- **Direct Drive:** Efficient power transfer via an elastic coupling between the E-PTO motor and the screw compressor.
- **Safety First:** Features a pressure silencer with a non-return valve and a dedicated safety valve to prevent system overload.
- **Mounting:** Designed for vehicle frame mounting using 8x M16 bolts (10.9) with a 290 Nm torque specification.
- **Outlet Connections:** Dual Storz B 2 1/2" couplings (top and side) for flexible discharge hose routing.

Technical data

	Unit	SKL eMotion-Pack (SKL 1100 LS)
Max. operating pressure (design)	bar (g)	2.5
Intake volume flow (at 0 bar)	m³/h	692 – 1,075
Intake volume flow (at 2.0 bar)	m³/h	615 – 998
Nominal speed (E-PTO/Compressor)	min ⁻¹	2,000 / 3,000
Power consumption (at shaft)	kW	33 / 54
Total weight (Aggregate)	kg	482
Ambient temperature range	°C	-10 to +40



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