The **new e-optimized KÖGEL MEGA** has been developed specifically for emission-free tractor units. It is compatible with all brands of e-tractor units and cross-industry applications. Building on the proven KÖGEL MEGA, this model and combines lightweight construction, efficiency, and optimal load distribution to provide a bespoke solution for heavy-duty electric transport.

THE CHALLENGE

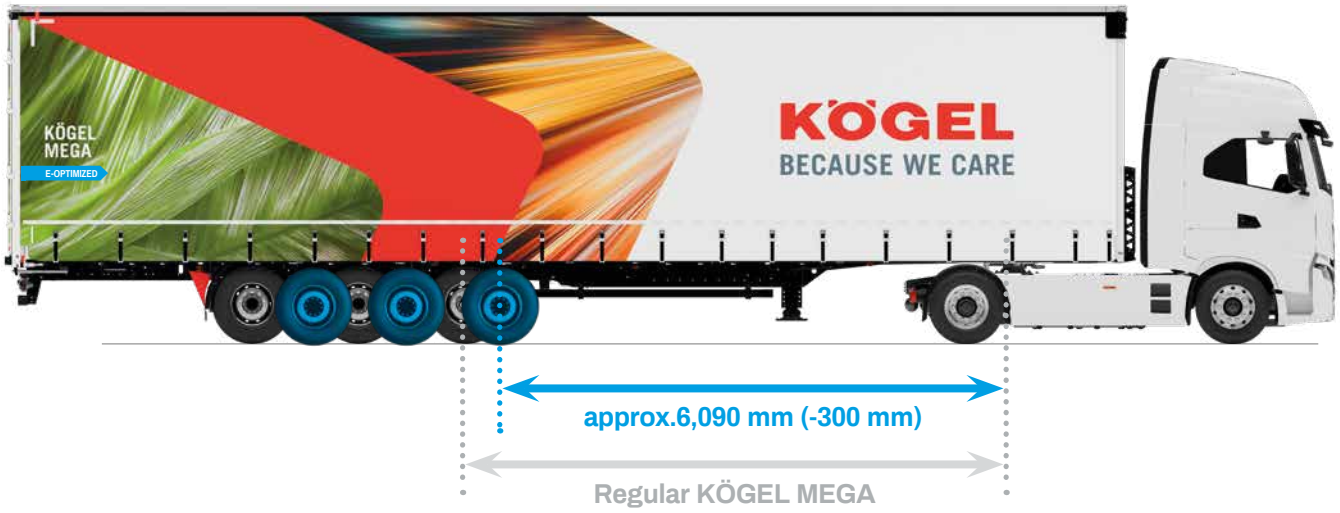
Electric tractors alter the weight distribution of the vehicle combination due to their batteries. The additional weight places particular strain on the drive axle. Although EU Directive 96/53/EC permits an increased gross train weight of up to 42 tons for electric tractors (compared with 40 tons for diesel-powered tractors), the axle load limits remain unchanged and must still be complied with. This leads to:

- ~~REDUCED PAYLOAD~~
- ~~LEGAL RISKS~~
- ~~ECONOMIC LOSSES~~

*with selected optional equipment

DID YOU KNOW?

The practical application of EU Directive 96/53/EC varies between countries, with implementation inconsistent between Member States. Many nations have not yet established binding weight exemptions, resulting in differing national requirements. This increases complexity as the assessment of exceeding axle loads differs depending on the country.



TECHNICAL DATA

Height of frame neck with three axles in mm	approx. 90
Technically feasible fifth-wheel load in kg	approx. 12,000
Technically feasible axle load in kg	approx. 27,000
Tare weight of basic version in kg	approx. 5,400
Technically feasible gross weight in kg	approx. 39,000

Clear height below roof in mm, front	approx. 2,875 - 3,000
Clear height below roof in mm, rear	approx. 2,950 - 3,000
Clear lateral aperture height in mm, rear	approx. 2,810 - 2,860
Clear lateral aperture height in mm, front	approx. 2,735 - 2,860
Tyres	445/45 R 19,5“
Disc brake in mm	Ø 370 mm

THE SOLUTION

The **new e-optimized KÖGEL MEGA** has been specifically engineered to tackle the axle load challenges of electric tractors. The wheelbase has been shortened by 300 mm to prevent axle overload and ensure **optimum load distribution** across the entire tractor-trailer combination. It delivers **excellent tracking performance** and does not increase tyre wear when cornering.

- **HIGHER PAYLOAD**
- **LEGAL CERTAINTY THROUGH COMPLIANCE WITH AXLE LOAD LIMITS**
- **COST-EFFECTIVENESS THROUGH BETTER VEHICLE UTILIZATION**
- **FUTURE-PROOF FLEET CONCEPT**
- **OPTIMIZED FOR ZERO-EMISSION TRUCKS**

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