



11. September 2024

VECTO Calculation Station at IAA Transportation 2024

Starting in 2030, heavy commercial vehicle trailers will need to comply with new limits on CO₂ emissions, fuel consumption, and energy usage under EU Regulation 2022/1362, aimed at reducing greenhouse gas emissions and achieving the CO₂ targets set by the EU's climate protection package. Similar to trucks, the emissions label "VECTO" (Vehicle Energy Consumption Calculation Tool) has been introduced for trailers. The emission reduction targets that must be met by 2030 are 7.5 percent for central axle and drawbar trailers, and 10 percent for semi-trailers.

The regulation applies to all KRONE commercial vehicles in class O3 (up to 10 tons gross weight) and O4 (trailers over 10 tons gross weight), except for vehicles with body types other than box, refrigerated, or curtainsider; vehicles with a technically permissible gross weight under 8 tons; dollies, drawbar, or semi-trailers with coupling; vehicles that do not comply with the EU's standard vehicle dimensions (such as vehicles over 4.0 metres in height and long trucks); vehicles with driven axles; and vehicles with more than three axles.

Heinz Fust, Head of Technical Services and Homologation at KRONE, commented: "KRONE fully supports the European Green Deal and is acutely aware of its responsibility to reduce CO₂ emissions in road freight transport. At IAA Transportation 2024, we are offering our customers the opportunity to use a calculation station to gain insights into their KRONE trailer's emissions, the possible technical measures, and their impacts."

To meet the new emission reduction targets for heavy trailers, a combination of various technical approaches is required. The optimization of tyre rolling resistance presents the greatest potential for reduction: savings of up to 5.2 percent can be achieved by using low rolling resistance tyres. Another approach is weight reduction through lightweight construction. Additionally, with aerodynamic components such as side skirts and rear spoilers, a further CO₂ reduction of up to 4 percent can be achieved. However, adding aerodynamic components may increase the vehicles weight.

Using the VECTO calculation tool, which KRONE will present at its IAA Transportation stand C40 in Hall 27, customers can collaborate with KRONE experts to simulate various measures and assess the necessary technical efforts to meet the targets.

Visit us at the KRONE stand!

IAA Transportation 2024 | 17.09.-22.09.2024

Hanover Fair | Hall 27 | Stand C40 | Outdoor area N41, Q41, P43



If you have any questions, please do not hesitate to contact me.:

SIMON RICHENHAGEN

Phone [+49 5951 209-8216](tel:+4959512098216) · E-mail: simon.richenhagen@krone.de