



KIEPE TRACTION INVERTER KTI 201

FOR E-BUSES AND E-TRUCKS

- **UNIVERSAL** - Drives both central motors and wheel-selective motors
- **POWERFUL** - High power density due to efficient semiconductor technology
- **COMPACT** - Flexible mounting due to small dimensions
- **ASSEMBLY-FRIENDLY** - 100 % tool-free connector-only assembly
- **SAFE** - Meets the safety requirements according to ISO 26262
- **PREVENTIVE** - Predictive Maintenance with Smart Fleet Management (SFM)
- **EFFICIENT** - Advanced traction control (Kiepe Traction Control KTC)

Technical description

The KTI is supplied with the Traction Control Unit (TCU) which contains the software for e. g. brake blending or axle-selective torque control. The Kiepe Smart Fleet Management (SFM) optimizes the efficiency of the electrical system in the vehicle using the Energy Control Unit

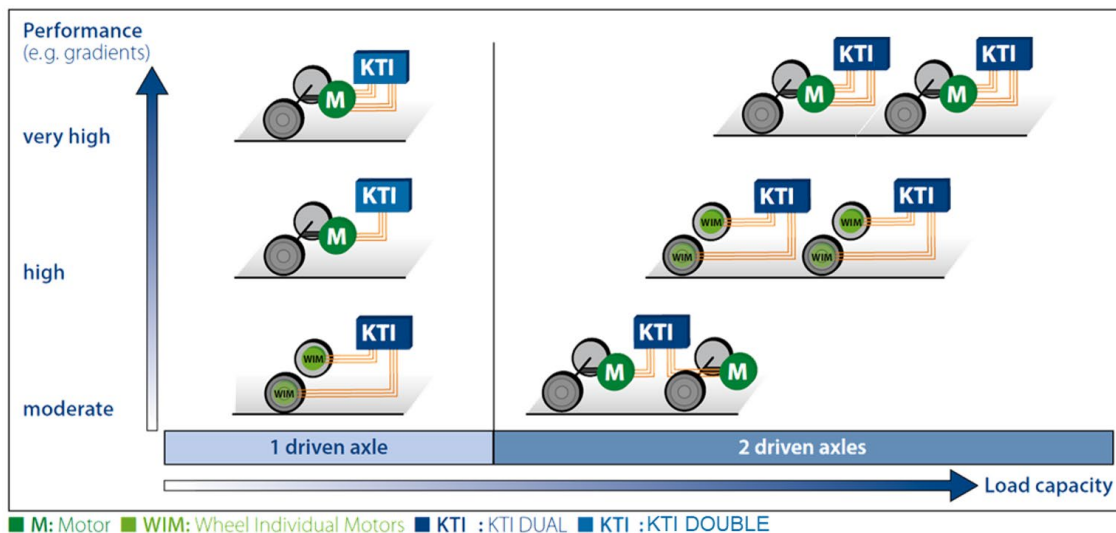
(ECU). These parts are the basic equipment in the new Kiepe kit which can be extended to a subsystem or even a complete system for any electrical vehicle.

Technical data

Efficiency	approx. 98 %
Input voltage	DC 500 V to DC 800 V
Continuous / peak current	DUAL: 2 x 250 A / 2 x 350 A DOUBLE: 400 A / 600 A
Switching frequency	4 kHz to 10 kHz
Operating temperature	-40 °C to +85 °C
Protection class	IP6K9K
Cooling	Water cooling (60 °C @ 10 l/min)
Communication	CAN, Ethernet
Supply voltage	DC 24 V
Dimensions	560 mm x 445 mm x 110 mm
Weight	25 kg

Certifications

Type test	EN 61287-1
Functional safety	ISO 26262
Vibrations and shocks	ISO 16750-3
Thermal load capacity	ISO 16750-4
Chemical resistance	ISO 16750-5
Electromagnetic compatibility	ECE R10
Performance determination	ECE R85
Insulation coordination	EN 60664-1



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