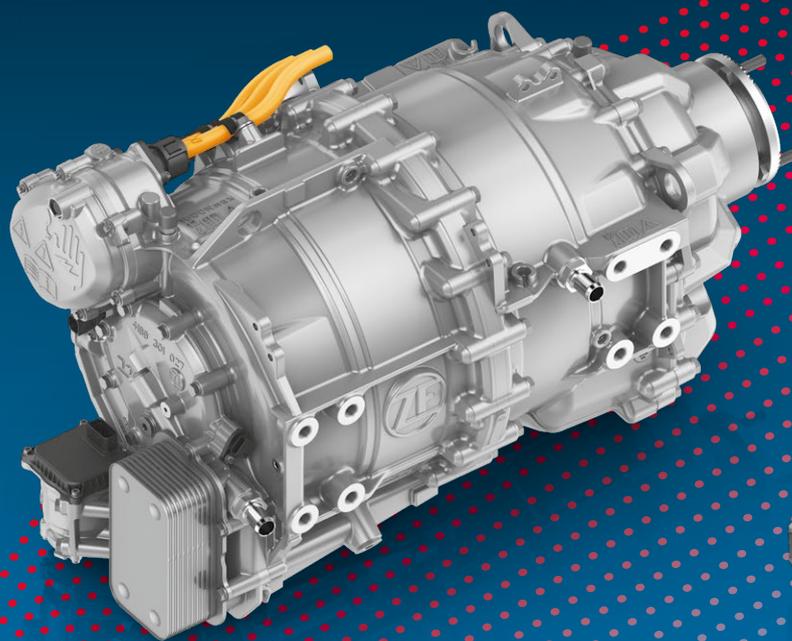




A Compact Powerhouse

Electric central drive
CeTrax



System Expertise for Electrically Driven Vehicles

Modern vehicles need to be fast and effective as well as clean and quiet; both of the latter are particularly important in the current climate. ZF offers its CeTrax electric central drive especially for conventional driveline arrangements.

The new CeTrax system is a purely electric central drive that can be used in a variety of vehicles. When installed in battery-driven vehicles, the system operates with zero local emissions. The target group for CeTrax are manufacturers who want to be able to offer existing conventional vehicles with electric drive systems. It is suitable for replacing internal combustion engines in the truck chassis in conventional arrangements. CeTrax saves on costs and reduces the time and expense involved in technical integration as well as in service.

With a maximum power output of up to 300 kilowatts and a maximum torque of 4500 newton meters, CeTrax is second to none in terms of performance when compared with a classic drive system and also enables vehicles to overcome the biggest challenges. As with all commercial vehicle electric drive systems from ZF, the CeTrax system is supplied complete with an inverter and an electronic control unit.



Your advantages at a glance

- Can be combined with common drive axles and ratios
- Electric motor with integrated, tried-and-tested planetary gear stage from ZF-EcoLife
- Optimum performance with the ZF system, including inverter and electronics
- High peak and continuous power through liquid cooling
- All-electric, zero-emission driving



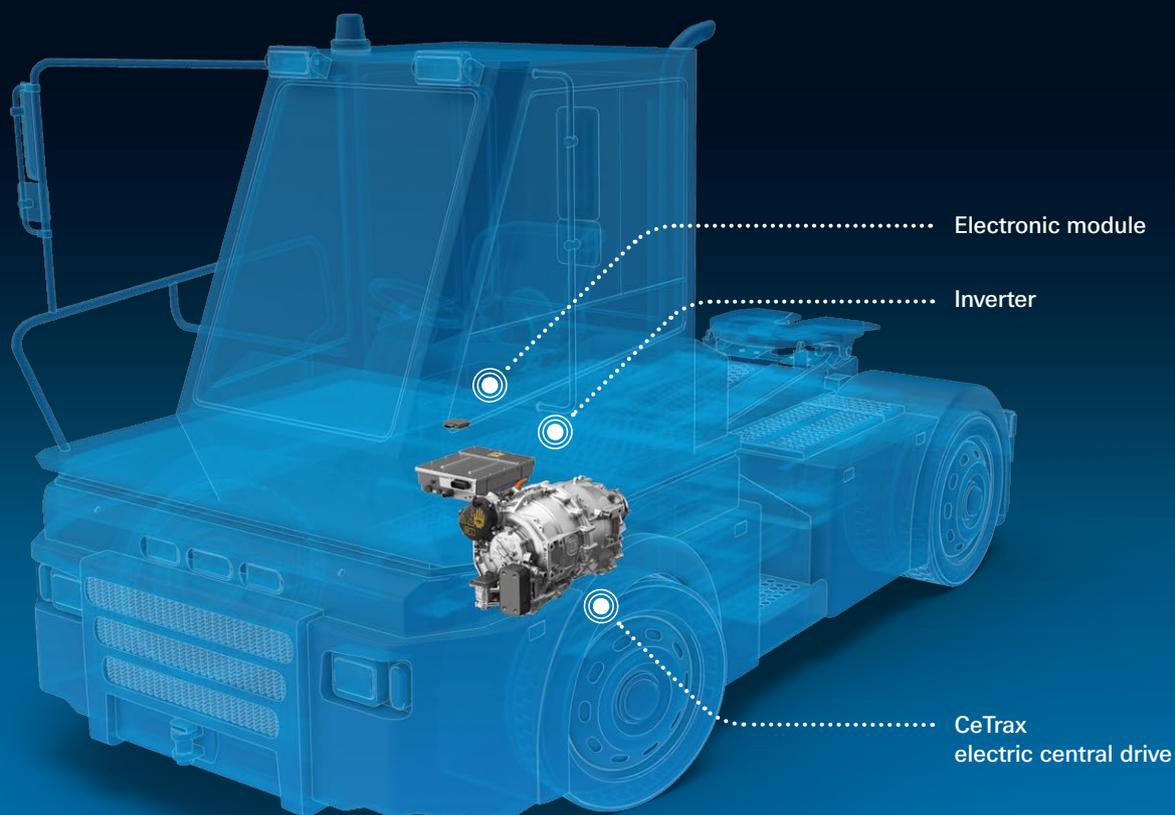
Electric and Efficient

The CeTrax electric central drive enables vehicles to operate with zero local emissions.

Technical Data

Powertrain	
Traction motor	
Performance (peak / 30 min)	300 / 175 kW
Max. speed	8,500 rpm
Technology	
	Induction Motor (ASM)
Transmission stage (integrated)	1-gear; i=3.36
Output torque (peak 30 min)	4,500 / 2,170 Nm
Inverter (ACH65L50)	
Voltage DC /nominal / range)	650 / 580-750 V
Current AC (peak / continuous)	500 / 375 A _{rms}

System	
Gross combined weight	90 t
Weight	approx. 285 kg
Control unit	EST 54
Protection class	IP6K9K



ZF Group

Industrial Technology
Marine & Special Driveline Technology
Ehlersstr. 50
88046 Friedrichshafen / Germany
Phone +49 7541 77-8316
Fax +49 7541 77-908316
special-transmission@zf.com

Get to know more about our
transmissions for special applications:



www.zf.com/special-vehicles