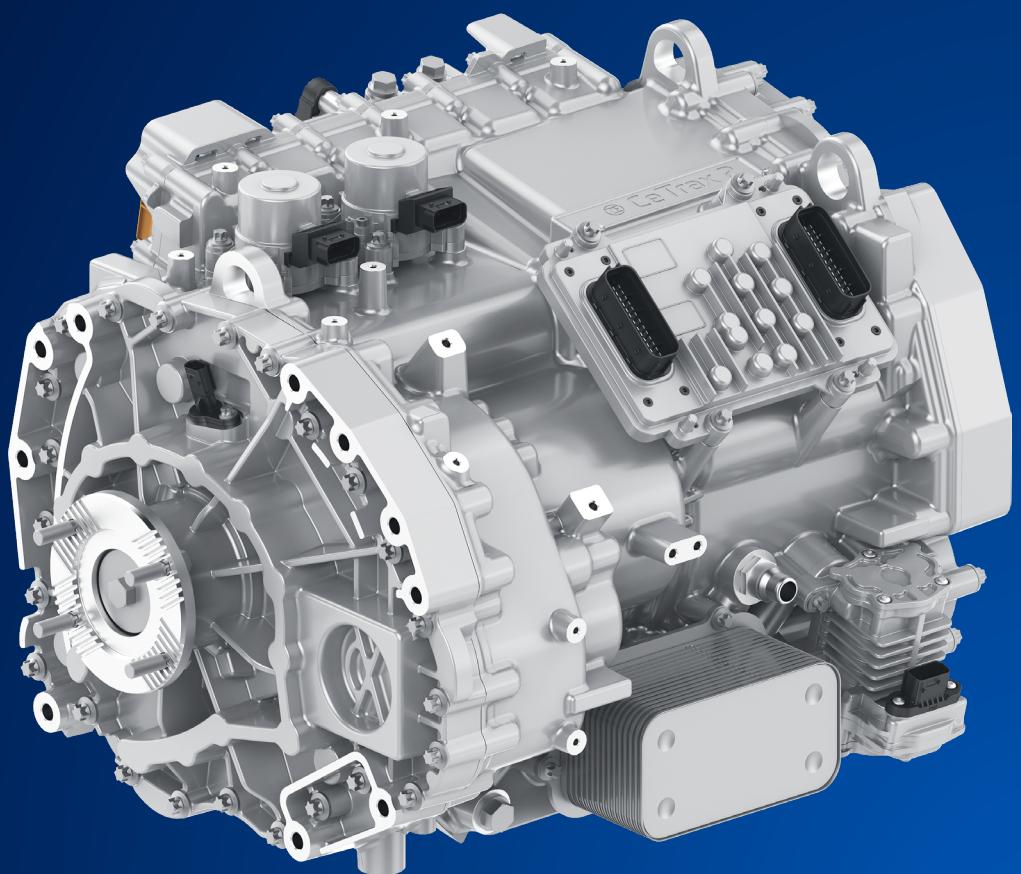


CeTrax 2

Electric Central Drive

Integrated and modular e-Drive designed for
light- and medium-duty commercial vehicles



ZF's Latest Innovation in Electric Driveline Technology

Specifically designed for light- and medium-duty commercial vehicles, CeTrax 2 seamlessly packages within the space of the transmission of an ICE vehicle enabling OEMs to offer ICE and electric drivelines on a single vehicle platform. Integrating in-house developed components, this innovative one-box-solution enables compact size and light weight, while providing high power and torque with enhanced efficiency. Thus, CeTrax 2 helps to accelerate the electrification of commercial vehicles.

CeTrax 2

Electric Central Drive

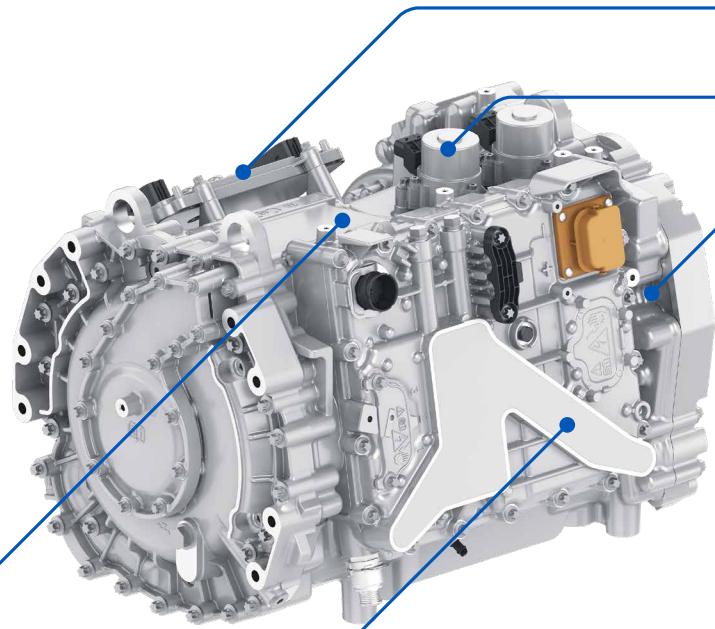
High-performance ECU

2 e-Actuators

3-speed transmission

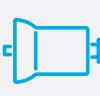
Oil-cooled hairpin electric motor

800 Volt silicon carbide (SiC) inverter



Value to Customers

- Delivers premium, reliable performance with powerful acceleration and optimized energy efficiency supporting demanding CV requirements
- Incorporates high electrical efficiency, enables smaller size, minimized external electrical connections
- Extends battery duration and vehicle operational range
- Offers high-speed processing for advanced software functionality, while fulfilling regulatory cyber security requirements and functional safety
- Ready for integration with other vehicle systems such as braking system, ADAS or automated driving systems
- Enables zero emissions for battery electric and fuel cell vehicles
- Optimizes driving experience with quiet and smooth electric powertrain operation

Technical Data				
	Continuous power 210kW		Peak output torque 8,720Nm	
				Gross combination weight (GCW) 19t
				
				System weight < 250kg
				
				Transmission 3-Speed

Technical Features

- Equipped with a hairpin electric motor delivering up to 210 kW continuous power and peak system output torque 8,720 Nm
- Includes an integrated 800 Volt silicon carbide (SiC) inverter
- Features a 3-speed transmission with 2 e-actuators for optimized e-powertrain efficiency
- Optionally allows for integration of a compact mechanical power take-off
- Incorporated high-performance ECU
- Comes with smart CAN interface for bi-directional communication

The ZF Difference

- Integrated one-box-solution enables simplified application facilitating quicker vehicle platform electrification
- Provides optimized performance and efficiency due to inhouse development of key components and software as part of a seamless platform approach
- Benefits from ZF's expertise in developing e-mobility and transmission solutions for a broad range of vehicles spanning from passenger cars up to heavy-duty trucks and buses

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