

CeTrax 2

Electric Central Drive

Integrated and modular e-Drive designed for
light- and medium-duty bus applications



ZF's Latest Innovation in Electric Driveline Technology

Specifically designed for light- and medium-duty bus applications, CeTrax 2 seamlessly packages within the space of the transmission of an ICE vehicle enabling bus manufacturers to offer ICE and electric drivelines on a single vehicle platform. Integrating inhouse 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 light- and medium-duty buses and offers the additional advantage of complying with CO2 regulations and being able to drive in zero-emission zones.

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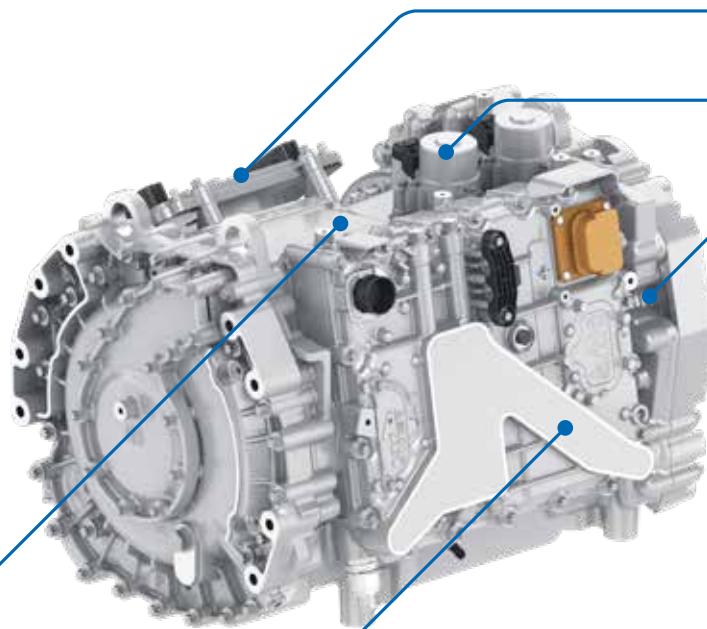
High-performance ECU

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 smooth acceleration and optimized energy efficiency
- High electrical efficiency helps extend vehicle operational range
- Features a compact design and light weight
- Fulfils regulatory cyber security requirements and functional safety
- Enables zero emissions for battery electric, fuel cell and trolley buses, granting access to zero-emission zones
- Optimizes driver and passenger comfort with quiet and smooth operation
- Supports compliance with CO2 limits and enables the receipt of subsidies and tax incentives

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

Technical Features

- Delivers 210 kW continuous power and 8,720 Nm of peak output torque
- Includes an integrated 800 Volt silicon carbide (SiC) inverter
- Equipped with a hairpin electric motor
- Features a 3-speed transmission with 2 e-actuators for optimized e-powertrain efficiency
- 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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