

Dedicated Hybrid Transmission DHTeco

The DHTeco is part of the 230 family, and uses a smart modular scalability approach for Low Torque HV applications. The DHTeco is reduced to four gears (acting as a dedicated hybrid transmission) with eLaunch, eReverse and two gears in electric driving.



Features and Specifications

- Nominal torque: 230 Nm
- Boost torque: up to 300 Nm (E-boost)
- eMotor: 120 kW at 350 V;
200 Nm peak
- Installation length: 350 mm
- Weight (including oil): 98 kg w/ oil, w/o DMF,
w/ inverter
- Center distance: 183 mm
- Ratio ensures all-electric drivability up to 135 kph

Competitive advantage/differentiators

- Best-in-class efficiency leading to extended range and reduced operating costs
- Best-in-class torque-to-weight ratio
- Integrated system with compact design and no increase in packaging length
- Adjustable drivability by software and clutch modulation, and customizable driving modes
- Charge at standstill and creep

Applications/benefits

- PSM eMachine integrated in transmission housing, cooled by common oil circuit for wet dual clutch and gear set
- Water cooled, transmission mounted inverter
- ICE restart can be operated by transmission at all vehicle speeds

