

Dedicated Hybrid Transmission DHTeco

The DHTeco is part of the transverse product family ranging from DCT to DHT. It is reduced to 4 gears (acting as a dedicated hybrid transmission) with e-launch, e-reverse and two gears in electric driving and follows a smart, modular scalability approach for high-voltage applications.



Features and Specifications

- Nominal ICE torque: 230 Nm
E-boost up to 300 Nm
- E-motor: 120 kW @350 V
200 Nm peak
- Installation length : 350 mm
- Weight (including oil): 83 kg
- Center distance: 183 mm

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@Standstill & creep

Applications/benefits

- Vehicle Segment: B to C/D incl. SUV (FWD)
- PSM E-machine integrated in transmission housing, cooled by common oil circuit
- Water cooled, transmission mounted inverter
- ICE restart can be operated by transmission at all vehicle speeds
- Excellent mechanical efficiency by adopting DCT building blocks

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production