Dedicated Hybrid Transmission

DHTeco

The DHTeco is part of the low torque family and reduced to 4 gears with e-launch, e-reverse and two gears in electric driving.

Enabling intelligent launch vehicle function by advanced e-machine speed control and extended controls interface.

Features and Specifications

- Nominal ICE torque: 230 Nm
  E-boost up to 300 Nm
  120 kW @350 V
  200 Nm peak
  350 mm
  183 mm
  83 kg
  (including oil, w/o DMF)

- E-motor:

- Installation length:

- Center distance:

- Weight:

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

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