Dedicated Hybrid Transmission

DHTplus

The DHTplus is part of the 400 family and reduced to 5 gears with e-launch, e-reverse and two gears in electric driving; full powershift capability in all modes.

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

Features and Specifications

- Maximum ICE torque:
  400 Nm
  E-boost up to 500 Nm

- E-motor:
  120 kW @350 V
  200 Nm peak
  360 mm
  197 mm
  108 kg (including oil, w/o DMF)

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 C/D (pure FWD) premium, D/E (w/ el. AWD)
- 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
- Powershift in E-mode and eCrawler option
- Excellent mechanical efficiency by adopting DCT building blocks