

Hybrid Dual-Clutch Transmission 6HDT230 48V

The 6HDT230 is part of the transverse product family ranging from DCT to DHT. The gearset architecture of the 6HDT230 48V mild hybrid transmission corresponds exactly with the 6-speed DCT. It is mated with an E-machine of up to 25 kW in P2.5 architecture.



Features and Specifications

- Nominal Torque: 230 Nm, scalable up to 300 Nm
- Center Distance: 183 mm
- Installation length: 350mm
- E-machine: up to 25 kW, 70 Nm peak
- Package optimized design
- Wet nested dual clutch
- Smart actuation and cooling
- Single shift drum
- Air and water cooling

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

Applications/benefits

- Vehicle segment A – C (FWD)
- PSM E-machine integrated in transmission housing cooled by common oil circuit for wet dual clutch & gear set
- Water cooled inverter directly connected to E-machine

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production