Hybrid Dual-Clutch Transmission

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: 350 mm
- 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

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