

Dual-Clutch Transmission DCT Eco

The DCT Eco is part of the transverse product family ranging from DCT, 48V and HV hybridized versions.

Purpose

- Innovative gearset design for an extremely small package
- On demand electromechanical actuation with very low power consumption
- Start-stop and extended sailing capability
- Derived from Magna PT Building Blocks & Function Groups

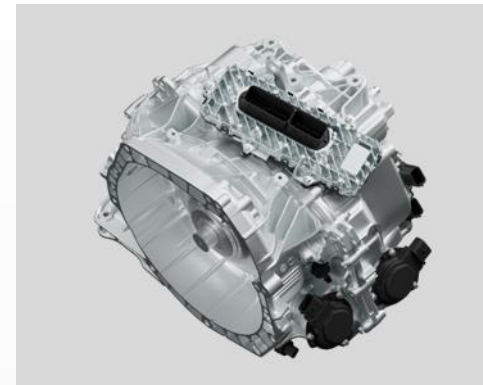
Value Proposition

- Best-in-class efficiency leading to extended range and reduced operating costs
- Best-in-class torque-to-weight ratio
- Adjustable drivability by software and clutch modulation, and customizable driving modes
- Compact design

Technical Description

- | | |
|---------------------------------------|-------------------|
| • Max. torque: | 250 Nm |
| • Weight (incl. oil): | 65.3 kg |
| • Installation length: | 366 mm |
| • Center distance: | 188 mm |
| • Overall ratio 1 st gear: | 18.084 |
| • Gear ratio spread: | 6.93 |
| • Vehicle segment: | A - C (FWD & AWD) |

- Scalability in hybridization without re-design of the gear set
- The advantages in terms of low complexity, small package and low weight are then conveyed to conventional 6-speed DCT applications with significant cost benefits
- Smart actuation and cooling



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