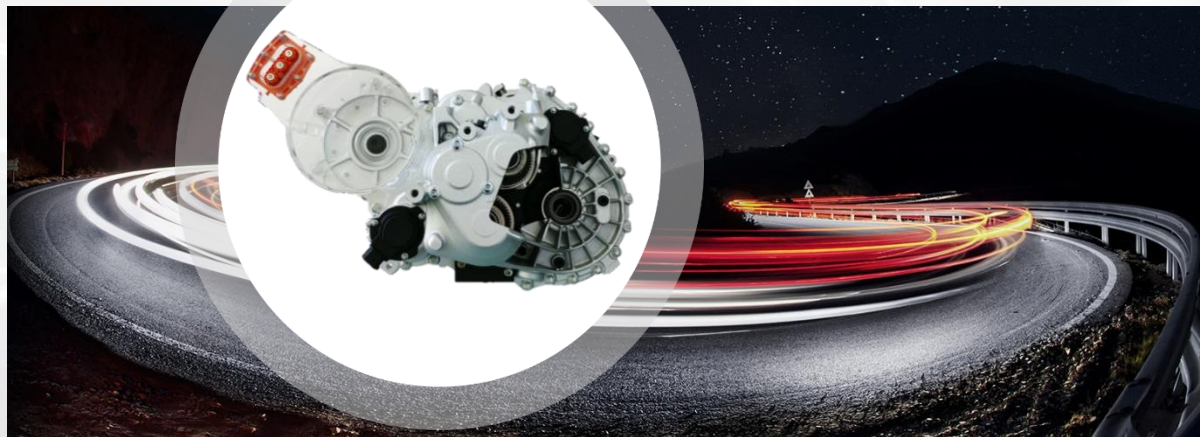


Large FWD BHT 5BHT425

Full automatic Boosted Hybrid Transmission with integrated 380V e-motor based on 6MTT425.

P3+ hybrid configuration with electric motor driving final drive via 2-speed transfer gear set delivers CO₂ savings, full boost capability and electric drive functionalities at complete speed range. Capability to start engine/charge battery at standstill.



Features and Specifications

- | | |
|-----------------------------------|-------------------------|
| • Max. torque (ICE + e-motor): | 425 Nm + 170 Nm |
| • Shift actuation: | Full automatic shifting |
| • Installation length: | 400 mm |
| • C/D crank shaft – differential: | 205 mm, 215mm |
| • Electric motor (water cooled): | 30/60/85 KW |
| • Inverter (water cooled): | 350-400V, CAN |
| • Ratios EM to wheel: | 1st: 22,8; 2nd: 10,2 |
| • Max gross vehicle mass: | 4,100 kg |
| • Max gross train mass: | 6,000 kg |

Competitive advantage/differentiators

- CO₂ savings up to 75% depending on battery size (WLTP)
- Automatic shifting with premium shift comfort through HV e-torque fill
- EV mode drive without shift up to 70 km/h
- Electric drive features, fully-automated parking, like follow-me function or traffic jam assist

Applications/benefits

- Flexible design to support LCV, SUV or sports car applications
- Engine start/charge at standstill and optional auxiliary power supply
- Performance increase through full boost

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production