

Small FWD BMT 6BMT215

Boosted Manual Transmission with integrated 48V e-motor based on 6MTT215 for B/Car segment.

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.



Features and Specifications

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|-----------------------------------|---------------------|
| • Max. torque (ICE / e-motor): | 240 Nm / 70 Nm |
| • Weight (dry): | 57 kg |
| • Installation length: | 376 mm |
| • C/d crank shaft – differential: | 184 |
| • Ratio 1st gear (base unit): | up to 17.31 |
| • Gear ratio spread: | up to 6 |
| • Inverter (water cooled): | 48V, CAN |
| • Electric motor (water cooled): | 48V, 17,7 KW (70Nm) |
| • Ratios EM to wheel: | 1st: 26; 2nd: 10 |

Competitive advantage/differentiators

- CO₂ savings up to 22% (WLTP)
- Performance increase through full boost capability (0-100 km/h improvement of 1 sec)
- EV mode drive without shift up to 40km/h
- Electric drive features like fully automated parking or traffic jam assist

Applications/benefits

- Optional low-cost automation – improved shift quality through e-torque fill
- Optional 2-pedal version @ zero additional cost (deletion of clutch pedal)
- Optional sport-mode

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production