

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

- 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 25% (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

Additional Information:

- Demo car (B-Car) available

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production