

# 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 CO<sub>2</sub> 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

- CO<sub>2</sub> 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