

## Engine

|                                     |   |
|-------------------------------------|---|
| Type                                | Water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication |
| Bore x stroke                       | 84 mm x 77 mm   |
| Capacity                            | 853 cc  |
| Rated output                        | 57 kW (77 hp) at 7,500 rpm<br>OE output reduction to 35 kW (48 hp) at 6,500 rpm   |
| Max. torque                         | 83 Nm at 6,000 rpm<br>OE output reduction: 63 Nm at 4,500 rpm   |
| Compression ratio                   | 12.7 : 1  |
| Mixture control / engine management | Electronic injection  |
| Emission standard                   | Closed-loop 3-way catalytic converter, emission standard EU-4   |

## Performance / fuel consumption

|                                  |  |
|----------------------------------|--|
| Maximum speed                    | 190 km/h   |
| Consumption w.r.t WMTC for 100km | 4.1 l  |
| Fuel type                        | Unleaded regular, minimum octane number 91 (RON) |

## Electrical system

|            |   |
|------------|---|
| Alternator | permanent magnetic alternator 416 W (nominal power) |
| Battery    | 12 V / 10 Ah, maintenance-free                      |

## Power transmission

|         |  |
|---------|--|
| Clutch  | Multiple-disc wet clutch (anti hopping), mechanically operated |
| Gearbox | Constant mesh 6-speed gearbox integrated in crankcase          |
| Drive   | Endless O-ring chain with shock damping in rear wheel hub      |

## Chassis / brakes

|                                   |   |
|-----------------------------------|---|
| Frame                             | Bridge-type frame, steel shell construction   |
| Front wheel location / suspension | Telescopic fork, Ø 41 mm  |
| Rear wheel location / suspension  | Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable |
| Suspension travel front / rear    | 151 mm / 177 mm(OE: suspension lowering kit 131 mm / 157 mm)  |
| Wheelbase                         | 1,559 mm  |
| Castor                            | 104.5 mm  |
| Steering head angle               | 63°   |
| Wheels                            | Cast aluminium wheels   |
| Rim, front                        | 2.50 x 19"  |
| Rim, rear                         | 4.25 x 17"  |
| Tyres, front                      | 110/80 R19  |
| Tyres, rear                       | 150/70 R17  |
| Brake, front                      | Dual disc brake, floating brake discs, Ø 305 mm, double-piston floating caliper   |

Brake, rear Single disc brake, Ø 265 mm, single-piston floating caliper

ABS BMW Motorrad ABS (disengageable)

#### **Dimensions / weights**

|   |   |
|---|---|
| Length  | 2,255 mm  |
| Width (incl. mirrors)                                   | 922 mm  |
| Height (excl. mirrors)                                  | 1,225 mm  |
| Seat height, unladen weight                             | 815 mm (OE suspension lowering kit: 770 mm, OE low seat: 790 mm, OE comfort seat: 830 mm)         |
| Inner leg curve, unladen weight                         | 1,830 mm (OE suspension lowering kit: 1,750 mm, OE low seat: 1,790 mm, OE comfort seat: 1,870 mm) |
| Unladen weight, road ready, fully fuelled <sup>1)</sup> | 224 kg  |
| Permitted total weight                                  | 440 kg  |
| Payload (with standard equipment)                       | 216 kg  |
| Usable tank volume                                      | 15 l  |
| Reserve   | approx. 3.5 l   |

- Technical data relate to the unladen weight (DIN)
- <sup>1)</sup> According to guideline VO (EU) 168/2013 with all fluids, with standard equipment and fuelled with at least 90% of usable tank volume.