

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	70 kW (95 hp) at 8,250 rpm OE output reduction 35 kW (48 hp) at 6,500 rpm OE RON91 unleaded regular fuel: 66 kW (90 hp) at 8,000 rpm
Max. torque	92 Nm at 6,250 rpm OE output reduction: 63 Nm at 4,500 rpm OE RON91 unleaded regular fuel: 86 Nm at 6,250 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	over 200 km/h
Consumption w.r.t WMTC for 100km	4.1 l
Fuel type	Unleaded super, minimum octane number 95 (RON) OE unleaded regular fuel, 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	Upside-down telescopic fork, Ø 43 mm
Rear wheel location / suspension	Cast aluminium dual swing arm, central WAD spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable
Suspension travel front / rear	204 mm / 219 mm(OE: suspension lowering kit 184 mm / 199 mm)
Wheelbase	1,593 mm
Castor	126 mm
Steering head angle	62°
Wheels	Cross spoke wheels
Rim, front	2.15 x 21"
Rim, rear	4.25 x 17"
Tyres, front	90/90 21

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	2,305 mm
Width (incl. mirrors)	922 mm
Height (excl. mirrors)	1,356 mm
Seat height, unladen weight	860 mm (OE suspension lowering kit: 815 mm, OE low seat: 835 mm, OE comfort seat: 875 mm, OA rallye seat: 890 mm)
Inner leg curve, unladen weight	1,910 mm (OE suspension lowering kit: 1,830 mm, OE low seat: 1,870 mm, OE comfort seat: 1,950 mm, OA rallye seat: 1,980 mm)
Unladen weight, road ready, fully fuelled ¹⁾	229 kg
Permitted total weight	445 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)
- ¹⁾ According to guideline VO (EU) 168/2013 with all fluids, with standard equipment and fuelled with at least 90% of usable tank volume