

Engine

Type	Water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication
Bore x stroke	82 mm x 75.6 mm
Capacity	798 cc
Rated output	66 kW (90 hp) at 8.000 rpm (output reduction 35 kW (48 hp) at 6,750 rpm possible)
Max. torque	86 Nm at 5.800 rpm (performance reduction: 69 Nm at 3,500 rpm)
Compression ratio	12.0 : 1
Mixture control / engine management	Electronic injection
Emission control	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	4,3 l
Fuel type	Unleaded super, minimum octane rating 95 (RON)

Electrical system

Alternator	permanent magnet alternator 400 W
Battery	12 V / 12 Ah, maintenance-free

Power transmission

Clutch	Multiple-disc clutch in oil bath, mechanically operated
Gearbox	Constant mesh 6-speed gearbox integrated into crankcase
Drive	Endless O-ring chain with shock damping in rear wheel hub

Chassis / brakes

Frame	Bridge-type frame, cast aluminium
Front wheel location / suspension	upside-down fork
Rear wheel location / suspension	Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable

Suspension travel front / rear	125 mm / 125 mm
Wheelbase	1,520 mm
Castor	91 mm
Steering head angle	64°
Wheels	Cast aluminium wheels
Rim, front	3.50 x 17"
Rim, rear	5.50 x 17"
Tyres, front	120/70 ZR 17
Tyres, rear	180/55 ZR 17
Brake, front	Dual disc brake, floating brake discs, diameter 320 mm, 4-piston brake calipers radial mounted
Brake, rear	Single disc, diameter 265 mm, single-piston floating caliper
ABS	BMW Motorrad ABS

Dimensions / weights

Length	2,145 mm
Width (incl. mirrors)	860 mm
Height (excl. mirrors)	1,235 mm
Seat height, unladen weight	790 mm (OE low seat: 770 mm, OE high seat: 820 mm)
Inner leg curve, unladen weight	1,780 mm (OE low seat: 1,740 mm, OE high seat: 1,835 mm)
Unladen weight, road ready, fully fuelled ¹⁾	203 kg
Permitted total weight	405 kg
Payload (with standard equipment)	202 kg
Usable tank volume	15 l
Reserve	approx. 3 l