

## 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 to 35 kW (48 hp) at 6,750 rpm possible)
Max. torque	86 Nm at 5,800 rpm (with output reduction: 69 Nm at 3,500 rpm)
Compression ratio	12.0 : 1
Mixture control / engine management	Electronic intake pipe 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 WMTTC for 100km	4,3 l
Fuel type	Unleaded super, minimum octane rating 95 (RON)

## Electrical system

Alternator	three-phase 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	Belt drive with shock damper

## Chassis / brakes

Frame	Bridge-type frame, cast aluminium, load-bearing engine
Front wheel location / suspension	Telescopic fork, Ø 43 mm
Rear wheel location / suspension	Cast aluminium single-sided swing arm with eccentric adjustment for rear axle, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable

Suspension travel front / rear	125 mm / 123 mm
Wheelbase	1,514 mm
Castor	98 mm
Steering head angle	64,2°
Wheels	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 fixed calipers
Brake, rear	Single disc, diameter 265 mm, single-piston floating caliper
ABS	BMW Motorrad ABS

#### **Dimensions / weights**

Length	2,156 mm
Width (incl. mirrors)	905 mm
Height (excl. mirrors)	1,248 mm
Seat height, unladen weight	800 mm (OE comfort seat: 820 mm, OE low seat: 765 mm)
Inner leg curve, unladen weight	1,835 mm (OE comfort seat: 1,858 mm, OE low seat: 1,755 mm)
Unladen weight, road ready, fully fuelled <sup>1)</sup>	214 kg
Permitted total weight	420 kg
Payload (with standard equipment)	206 kg
Usable tank volume	15 l
Reserve	approx. 3 l