

Engine

Type	Air/oil-cooled flat twin ('Boxer') 4-stroke engine, two camshafts and four radially aligned valves per cylinder, central balancer shaft
Bore x stroke	101 mm x 73 mm
Capacity	1,170 cc
Rated output	81kW (110 hp) at 7,750 rpm
Max. torque	116 Nm at 6.000 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 WMTC for 100km	5,3 l
Fuel type	Unleaded fuel, octane number 95-98 RON (rated output at 98 RON)

Electrical system

Alternator	three-phase alternator 720 W
Battery	12 V / 14 Ah, maintenance-free

Power transmission

Clutch	Single dry plate clutch, hydraulically operated
Gearbox	Constant mesh 6-speed gearbox with helical gear teeth
Drive	Shaft drive

Chassis / brakes

Frame	three-section frame consisting of one front and two rear sections, load-bearing engine- gearbox unit, removeable pillion frame for single ride use
Front wheel location / suspension	Telescopic forks with 43 mm fixed-tube diameter
Rear wheel location / suspension	Cast aluminium single swinging arm with BMW Motorrad Paralever; central spring strut, spring preload steplessly adjustable by hook wrench, rebound-stage damping adjustable

Suspension travel front / rear	125 mm / 120 mm
Wheelbase	1.493 mm
Castor	105 mm
Steering head angle	63,4°
Wheels	Cast 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	Twin-disc brakes, diameter 320 mm, 4-piston callipers
Brake, rear	Single disc brake, diameter 265 mm, double-piston floating caliper
ABS	BMW Motorrad ABS

Dimensions / weights

Length	2.105 mm
Width (incl. mirrors)	900 mm
Height (excl. mirrors)	1.240 mm
Seat height, unladen weight	805 mm
Inner leg curve, unladen weight	1.750 mm
Unladen weight, road ready, fully fuelled ¹⁾	219 kg
Permitted total weight	430 kg
Payload (with standard equipment)	211 kg
Usable tank volume	17 l
Reserve	app. 3,5 l