

Engine

Type	Air/oil-cooled flat twin ('Boxer') 4-stroke engine, two camshafts and four radially aligned valves per cylinder, central counterbalancer shaft
Bore x stroke	101 mm x 73 mm
Capacity	1,170 cc
Rated output	81 kW (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 / digital engine management with overrun cutoff, twin-spark ignition
Emission control	Controlled 3-way catalytic converter, exhaust emission standards 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	Claw-shifted six-speed transmission with helical-cut splines
Drive	Shaft drive

Chassis / brakes

Frame	three-part frame concept with front frame and two-part rear frame, load-bearing enginegearbox unit, rear-set frame removeable for one-up riding
Front wheel location / suspension	Telescopic forks, 43 mm fixed-tube diameter
Rear wheel location / suspension	Cast aluminium single swinging arm with BMW Motorrad Paralever; central spring strut,

spring preload fully adjustable by hook wrench,
adjustable rebound-stage damping

Suspension travel front / rear	125 mm / 140 mm
Wheelbase	1,527 mm
Castor	110.6 mm
Steering head angle	61.5°
Wheels	Cast wheels
Rim, front	3.00 x 19"
Rim, rear	4.50 x 17"
Tyres, front	120/70 R 19
Tyres, rear	170/60 R 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	2,175 mm
Width (incl. mirrors)	870 mm
Height (excl. mirrors)	1,330 mm
Seat height, unladen weight	850 mm
Inner leg curve, unladen weight	1,890 mm
Unladen weight, road ready, fully fuelled ¹⁾	221 kg
Permitted total weight	430 kg
Payload (with standard equipment)	209 kg
Usable tank volume	17 L
Reserve	app. 3,5 L