

Technical data sheets BMW Motorrad

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Status: approved

G 310 GS

Engine

Type	Water-cooled, single-cylinder 4-stroke engine, four valves, two overhead camshafts and cam followers, wet sump lubrication
Bore / stroke	80 mm x 62.1 mm
Capacity	313 cc
Rated output	25 kW (34 hp) at 9,500 U/min
Max. torque	28 Nm at 7,500 U/min
Compression ratio	10,9:1
Mixture control	Electronic fuel injection
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-4

Performance / fuel consumption

Maximum speed	143 km/h
Fuel consumption per 100 km based on WMTC	3.3 l
CO ₂ emission based on WMTC	77 g/km
Fuel type	Unleaded regular, minimum octane number 91 (RON)

Electrical system

Alternator	three-phase alternator 308 W
Battery	12 V / 8 Ah, maintenance free

Power transmission

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

Chassis / brakes

Frame	Tubular space frame
Front wheel location / suspension	Upside down fork, Ø 41 mm
Rear wheel location / suspension	Cast aluminium dual swing arm, central spring strut, spring pre-load adjustable
Suspension travel, front / rear	180 mm / 180 mm
Wheelbase	1,420 mm
Castor	98 mm
Steering head angle	63.3°
Wheels	Cast aluminium wheels
Rim, front	2.50 x 19"
Rim, rear	4.00 x 17"
Tyre, front	110/80 R 19
Tyre, rear	150/70 R 17
Brake, front	Single disc, diameter 300 mm, 4-piston fixed caliper, radially bolted
Brake, rear	Single disc, diameter 240 mm, single-piston floating caliper
ABS	BMW Motorrad ABS, disengageable

Dimensions / weights

Seat height	835 mm (OA low seat 820 mm, OA high seat 850 mm)
Inner leg curve	1,870 mm (OA low seat 1,840 mm, OA high seat 1,900 mm)
Usable tank volume	11,0 l
Reserve	approx. 1,0 l
Length	2,075 mm
Height (excl. mirrors)	1,230 mm
Width (incl. mirrors)	880 mm
Unladen weight, road ready, fully fuelled 1)	169.5 kg
Permitted total weight	345 kg
Payload (with standard equipment)	175.5 kg

Equipment (in parts)

Standard equipment	BMW Motorrad ABS, stainless steel exhaust system, LED tail light, luggage rack
Optional equipment (OE)	-
Optional accessories (OA)	low seat, high seat, LED indicators, topcase "Light", topcase 30 l, heated grips, 12 V power outlet

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.