

Technical data sheets BMW Motorrad

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Status: approved

MY 2019

R 1250 GS (0J91/0J93)

Engine

Type	Air/liquid-cooled four stroke flat twin engine, double overhead camshaft, one balance shaft and variable engine timing system BMW ShiftCam.
Bore / stroke	102,5 mm x 76 mm
Capacity	1.254 ccm
Rated output	100 kW (136 PS) at 7.750 U/min
Max. torque	143 Nm at 6.250 U/min
Compression ratio	12.5 : 1
Mixture control	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
Fuel consumption per 100 km based on WMTC	4,75 l
CO ₂ emission based on WMTC	110 g/km
Fuel type	Unleaded super, octane number 95 (RON), adaptive fuel quality regulation (91 to 98 RON)

Electrical system

Alternator	three-phase alternator 510 W (nominal power)
Battery	12 V / 11,8 Ah, maintenance-free

Power transmission

Clutch	oil lubricated clutch, hydraulically operated
Gearbox	Constant mesh 6-speed gearbox with helical gear teeth
Drive	Shaft drive

Chassis / brakes

Frame	Two-section frame, front- and bolted on rear frame, load-bearing engine
Front wheel location / suspension	BMW Motorrad Telelever; stanchion diameter 37 mm, central spring strut
Rear wheel location / suspension	Cast aluminium single-sided swing arm with BMW Motorrad Paralever; WAD strut (travel-related damping), spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable at handwheel
Suspension travel, front / rear	190 mm / 200 mm
Wheelbase (normal load)	1.525 mm
Castor (normal load)	99.6 mm
Steering head angle (normal load)	64.5°
Wheels	Cast aluminium wheels
Rim, front	3,00 x 19"
Rim, rear	4,50 x 17"
Tyre, front	120/70 R 19
Tyre, rear	170/60 R 17
Brake, front	Dual disc brake, floating brake discs, diameter 305 mm, 4-piston radial calipers
Brake, rear	Single disc brake, diameter 276 mm, double-piston floating caliper
ABS	BMW Motorrad Integral ABS (part-integral), disengageable

Dimensions / weights

Seat height	850 / 870 mm (lowered suspension* 800 / 820 mm) *OE
Inner leg curve	1870 / 1910 mm (lower seat height* 1750 / 1790 mm) *OE
Usable tank volume	20 l
Reserve	approx. 4 l
Length (over mud guard)	2.207 mm
Height (over windshield)	1.430 mm
Wide (over mirror)	952,5 mm
Unladen weight, road ready, fully fuelled 1)	249 kg
Permitted total weight	465 kg
Payload (with standard equipment)	216 kg

Equipment (in parts)

Standard equipment	TFT rider information display with connectivity, full LED headlight, ASC (Automatic Stability Control), 2 riding modes (Rain, Road) and HSC (Hill Start Control),
Optional equipment (OE)	Dynamic ESA (Electronic Suspension Adjustment with automatic load levelling and automatic damping mode), automatic tyre pressure control RDC, keyless ride, special machined parts.
Optional equipment, specials	Riding Mode Pro, includes the additional modes Dynamic, Dynamic Pro, Enduro and Enduro Pro, ABS Pro and Dynamic Brake Light (depending on country regulations), hill start control pro HSC pro, dynamic brake assistant DBC and dynamic traction control DTC, style-variants HP and Exclusive.
Optional accessories (OA)	Vario Luggage System, Enduro underneath engine protection, Rallye seat with luggage rack, tinted windshield, Enduro headlamp-guard, hand guards, adjustable rider footrest.

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.