

Technische Datenblätter BMW Motorrad

Stand: 10.08.2021
Status: freigegeben

R 1250 RS 0J81, 0J83

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-5

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 508 W (nominal power)
Battery	12 V / 12 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	Steel tube frame with load-bearing engine, steel tube sub-frame
Front wheel location / suspension	Upside-Down-Fork
Rear wheel location / suspension	Cast aluminium single-sided swing arm with BMW Motorrad Paralever; spring pre-load hydraulically adjustable
Suspension travel, front / rear	140 mm / 140 mm
Wheelbase	1.530 mm
Castor	110,8 mm
Steering head angle	62,3°
Wheels	Cast aluminium wheel
Rim, front	3,50" x 17"
Rim, rear	5,50" x 17"
Tyre, front	120/70 ZR 17
Tyre, rear	180/55 ZR 17
Brake, front	Dual disc brake, floating brake discs, diameter 320 mm, 4-piston radial calipers
Brake, rear	Single disc brake, diameter 276 mm, double-piston floating caliper
ABS	BMW Motorrad Integral ABS Pro (part-integral, lean angle optimized)

Dimensions / weights

Seat height	820 mm (760 mm with 776 Seat low, 840 mm with 252 Seat Sport)
Inner leg curve	1.840 mm (1.720 mm with 776 Seat low, 1.875 mm with 252 Seat Sport)
Usable tank volume	ca. 18 l
Reserve	ca. 4 l
Length (over mud guard)	2.202 mm
Height (over windshield)	1.255 mm - 1.340 mm
Wide (over mirror)	925 mm
Unladen weight, road ready, fully fuelled 1)	243 kg
Permitted total weight	460 kg
Payload (with standard equipment)	217 kg

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.
(only OE-USPs compared to competition)