

BMW Motorrad
USAMotorcycles
since 1923

BMW R 1200 R



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	81 kW (110 hp) at 7,500 rpm
Max. torque	119 Nm at 6.000 rpm
Compression ratio	12.0 : 1
Mixture control / engine management	Electronic intake pipe injection / BMS-K+ digital engine management with overrun fuel cut-off, twin-spark ignition
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-3

Performance / fuel consumption

Maximum speed	over 200 km/h
Fuel consumption per 100 km at constant 90 km/h	4.1 l
Fuel consumption per 100 km at constant 120 km/h	5.5 l
Fuel type	Unleaded super and premium, octane number 95-98 (RON) (knock sensor; 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	Two-section frame consisting of front and rear sections, load-bearing engine-gearbox unit
Front wheel location / suspension	BMW Motorrad Telelever; stanchion diameter 41 mm, central spring strut
Rear wheel location / suspension	Cast aluminium single-sided swing arm with BMW Motorrad Paralever; central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable
Suspension travel front / rear	120 mm / 140 mm
Wheelbase	1,495 mm
Castor	119.1 mm
Steering head angle	62.9°
Wheels	Cast aluminium 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	Dual disc brake, floating brake discs, diameter 320 mm, four-piston fixed calipers
Brake, rear	Single disc brake, diameter 265 mm, double-piston floating caliper
ABS	Optional extra: BMW Motorrad Integral ABS (part-integral)

Dimensions / weights

Length	2,145 mm
Width (incl. mirrors)	906 mm
Height (excl. mirrors)	1,273 mm
Seat height, unladen weight	800 mm (option lowered suspension: 750 mm, option extra low seat: 760 mm, option seat 'Sport': 800 mm, option high comfort seat: 830mm)
Inner leg curve, unladen weight	1,840 mm (option lowered suspension: 1,720 mm, option extra low seat: 1,740 mm, option seat 'Sport': 1,800 mm, option high comfort

	seat: 1,860mm)
Unladen weight, road ready, fully fuelled 1)	223 kg
Dry weight 2)	198 kg
Permitted total weight	450 kg
Payload (with standard equipment)	227 kg
Usable tank volume	18 l
Reserve	approx. 3.0 l

Technical data relate to the unladen weight (DIN)

1) According to guideline 93/93/EWG with all fluids, fuelled with at least 90% of usable tank volume

2) Unladen weight without fluids