



# R 1200 GS

## Technical data and colors

Updated: October 2009

### Engine:

**Type:**

- Air/oil-cooled flat twin ('Boxer') 4-stroke engine, two camshafts and four radially aligned valves per cylinder, central balancer shaft

**Bore / stroke:**

- 101 mm x 73 mm

**Capacity:**

- 1,170 cc

**Rated output:**

- 81 kW (110 hp) at 7,750 rpm

**Max. torque:**

- 120 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 over 100 km at constant 90 km/h:**

- 4.3 l

**Fuel consumption over 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); optional extra 91 (RON) available

### 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, spring pre-load with 5-position mechanical adjustment

**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

**Travel front/rear:**

- 190 mm / 200 mm

**Wheelbase :**

- 1,507 mm

**Castor :**

- 101 mm

**Steering head angle:**

- 64.3°

**Wheels:**

- Cast aluminium wheels

**Rim front:**

- 2.50 x 19"

**Rim rear:**

- 4.00 x 17"

**Tyres front :**

- 110/80 R 19

**Tyres rear:**

- 150/70 R 17

**Brake front:**

- Dual disc brake, floating brake discs, diameter 305 mm, 4-piston fixed calipers

**Brake rear:**

- Single disc brake, diameter 265 mm, double-piston floating caliper

**ABS:**

- Optional extra: BMW Motorrad Integral ABS (part-integral), can be switched off

## Dimensions / Weight:

### Length:

- 2,210 mm

### Height (not inc. mirrors):

- 1,450 mm

### Width (inc. mirrors):

- 915 mm

### Seat height, unladen weight:

- 850 / 870 mm (low seat 820 mm, lowered suspension 790 mm)

### Inner leg curve:

- 1,890 / 1,940 mm (low seat 1,820 mm, lowered suspension 1,760 mm)

### Unladen weight, road ready, fully fuelled 1):

- 229 kg

### Dry weight 2):

- 203 kg

### Permitted total weight:

- 440 kg

### Payload (with standard equipment):

- 211 kg

### Usable tank volume:

- 20 l

### Reserve:

- approx. . 4.0 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

## Color possibilities:



Paintwork: Alpine White



Paintwork: Magma Red



Paintwork: Ostra Grey metallic matt



Paintwork: Sapphire Black metallic

**BMW Motorrad**  
Enduro

R 1200 GS



**The Ultimate  
Riding Machine**

The models illustrated in this brochure show the specifications for Germany. In part, they include optional equipment and accessories not fitted as standard. According to the specific requirements of other markets, alterations in models and equipment as described here may occur. For detailed information on the range of rider equipment and accessories available in your country, please contact your BMW Motorrad dealer. Subject to change in design and equipment. Subject to error.

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