



# R 1200 RT

## 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:**

- 4.1 l

**Fuel consumption over 100 km at constant 120 km/h:**

- 5.2 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 / 19 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 35 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

**Travel front/rear:**

- 120 mm / 135 mm

**Wheelbase :**

- 1,485 mm

**Castor :**

- 116 mm

**Steering head angle:**

- 63.8°

**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:**

- BMW Motorrad Integral ABS (part-integral)

## Dimensions / Weight:

### Length:

- 2,230 mm

### Height (not inc. mirrors):

- 1,430 mm

### Width (inc. mirrors):

- 905 mm (incl. panniers: 980 mm)

### Seat height, unladen weight:

- 820 / 840 mm (low seat: 780 / 800 mm, extra low seat (one-piece): 765 mm, lowered suspension: 750 mm, comfort seat: 785 mm)

### Inner leg curve:

- 1,880 / 1,920 mm (low seat: 1,800 / 1,840 mm, extra low seat (one-piece): 1,780 mm, lowered suspension: 1,750 mm, comfort seat: 1,820 mm)

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

- 259 kg

### Dry weight 2):

- 229 kg

### Permitted total weight:

- 495 kg

### Payload (with standard equipment):

- 236 kg

### Usable tank volume:

- 25 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 (without panniers)
- 2) Unladen weight without fluids (without panniers)

## Color possibilities:



Paintwork: ostragrey metallic



Paintwork: polar metallic



Paintwork: thundergrey metallic



Paintwork: thundergrey metallic / titansilver metallic

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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**BMW Motorrad**  
Tour

**R 1200 RT**



**The Ultimate  
Riding Machine**