



# F 800 R

## Technical data and colors

### Engine:

**Type:**

- Water-cooled, 4-stroke in-line two-cylinder engine, two overhead camshafts, four valves per cylinder, dry sump lubrication

**Bore / stroke:**

- 82 mm x 75.6 mm

**Capacity:**

- 798 cc

**Rated output:**

- 64 kW (87 hp) at 8,000 rpm  
(output reduction 25 kW (34 hp) at 6,000 rpm possible)

**Max. torque:**

- 86 Nm at 6,000 rpm  
(performance reduction: 58 Nm at 3,250 rpm)

**Compression ratio:**

- 12.0 : 1

**Mixture control / engine management:**

- Electronic intake pipe injection / digital engine management (BMS-K+)

**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:**

- 3.6 l

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

- 4.8 l

**Fuel type:**

- Unleaded super, minimum octane rating 95 (RON)

### Electrical system:

**Alternator:**

- three-phase alternator 400 W

**Battery:**

- 12 V / 14 Ah, maintenance-free

### Power transmission:

**Clutch:**

- Multiple-disc clutch in oil bath, mechanically operated

**Gearbox:**

- Constant mesh 6-speed gearbox integrated into crankcase

**Drive:**

- Endless O-ring chain with shock damping in rear wheel hub

### Chassis / brakes:

**Frame:**

- Bridge-type frame, cast aluminium, load-bearing engine

**Front wheel location / suspension:**

- Telescopic fork, Ø 43 mm

**Rear wheel location / suspension:**

- Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable

**Travel front/rear:**

- 125 mm / 125 mm

**Wheelbase :**

- 1,520 mm

**Castor :**

- 90.7 mm

**Steering head angle:**

- 65°

**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, 4-piston fixed calipers

**Brake rear:**

- Single disc, diameter 265 mm, single-piston floating caliper

**ABS:**

- Optional extra: BMW Motorrad ABS

## Dimensions / Weight:

### Length:

- 2,145 mm

### Height (not inc. mirrors):

- 1,160 mm

### Width (inc. mirrors):

- 905 mm

### Seat height, unladen weight:

- 800 mm (low seat: 775 mm, high seat: 825 mm)

### Inner leg curve:

- 1,770 mm (low seat: 1,720 mm, high seat: 1,820 mm)

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

- 199 kg

### Dry weight 2):

- 177 kg

### Permitted total weight:

- 405 kg

### Payload (with standard equipment):

- 206 kg

### Usable tank volume:

- 16 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:



Shine Yellow Metallic/Black Silk Shining



Granite Grey Metallic/Black Silk Shining



Alpine White/Black Silk



Alpine White/Lupin Blue Metallic/Magma Red

**BMW Motorrad**  
Urban

**F 800 R**



**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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