



F 800 GS

Technical data and colors

Updated: October 2009

Engine:

Type:

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

Bore / stroke:

- 82 mm x 75.6 mm

Capacity:

- 798 cc

Rated output:

- 63 kW (85 hp) at 7,500 rpm

Max. torque:

- 83 Nm at 5,750 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:

- 3.8 l

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

- 5.2 l

Fuel type:

- Unleaded super, minimum octane rating 95 (RON); optional extra 91 RON available

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:

- Tubular steel space frame, load-bearing engine

Front wheel location / suspension:

- Upside-down front fork, Ø 45 mm

Rear wheel location / suspension:

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

Travel front/rear:

- 230 mm / 215 mm

Wheelbase :

- 1,578 mm

Castor :

- 117 mm

Steering head angle:

- 64°

Wheels:

- Wire spoke wheels

Rim front:

- 2.15 x 21"

Rim rear:

- 4.25 x 17"

Tyres front :

- 90/90 - 21" 54V

Tyres rear:

- 150/70 - 17" 69V

Brake front:

- Twin disc, floating brake discs, diameter 300 mm, double-piston floating calipers

Brake rear:

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

ABS:

- Optional extra: BMW Motorrad ABS (can be switched off)

Dimensions / Weight:

Length:

- 2,320 mm

Height (not inc. mirrors):

- 1,350 mm

Width (inc. mirrors):

- 945 mm

Seat height, unladen weight:

- 880 mm (low seat: 850 mm, Rallye seat: 920 mm, comfort seat: 895 mm)

Inner leg curve:

- 1,930 mm (low seat: 1,880 mm, Rallye seat: 1,990 mm, comfort seat: 1,960 mm)

Unladen weight, road ready, fully fuelled 1):

- 207 kg

Dry weight 2):

- 185 kg

Permitted total weight:

- 443 kg

Payload (with standard equipment):

- 236 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:



Paintwork: alpine white



Paintwork: lava orange metallic / black satin

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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Enduro

F 800 GS



**The Ultimate
Riding Machine**