



F 800 ST

Technical data and colors

Updated: October 2009

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:

- 62.5 kW (85 hp) at 8,000 rpm (output reduction to 25 kW (34 hp) at 7,000 rpm possible)

Max. torque:

- 86 Nm at 5,800 rpm (with output reduction: 55 Nm at 3,500 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:

- 3.4 l

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

- 4.4 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:

- Belt drive with shock damper

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 single-sided swing arm with eccentric adjustment for rear axle, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at hand-wheel, rebound damping adjustable

Travel front/rear:

- 140 mm / 140 mm

Wheelbase :

- 1,466 mm

Castor :

- 95 mm

Steering head angle:

- 64.2°

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 brake, diameter 265 mm, single-piston floating caliper

ABS:

- Optional extra: BMW Motorrad ABS

Dimensions / Weight:

Length:

- 2,195 mm

Height (not inc. mirrors):

- 1,225 mm

Width (inc. mirrors):

- 860 mm

Seat height, unladen weight:

- 840 mm (low seat: 815 mm, lowered suspension: 760 mm)

Inner leg curve:

- 1,850 mm (low seat: 1,820 mm, lowered suspension: 1,700 mm)

Unladen weight, road ready, fully fuelled 1):

- 209 kg

Dry weight 2):

- 187 kg

Permitted total weight:

- 405 kg

Payload (with standard equipment):

- 196 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: champagne metallic



Paintwork: night blue 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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Tour

F 800 ST



**The Ultimate
Riding Machine**