

# F 800 S / F 800 ST

The BMW F 800 S/ST is for real fun-seekers. Thanks to the fast acceleration of its parallel twins and maximum torque of 86 Nm at 5,800 rpm and 62.5 kW (85 bhp), this machine offers superb entertainment. And so that its proud owners don't have to spend valuable time getting dirty working on the engine, the F 800 S/ST is equipped with a low-maintenance belt drive. Where curves are concerned, the general consensus is the more, the merrier – at least where the chassis of the BMW F 800 S/ST is concerned. Telescopic forks at the front, aluminium swinging arm at the rear, and away we go. The new F 800 boasts a sporty half fairing in the S version and a full fairing suitable for touring in the ST version. This machine demonstrates that you can only really have fun if the technology can be taken seriously.

## F 800 S



Paintwork: sunset yellow uni



Paintwork: flame red uni



Paintwork: lahar grey metallic

## F 800 ST



Paintwork: graphitan metallic matt



Paintwork: blue metallic

### Engine

Type	Water-cooled, 2-cylinder, 4-stroke, four valves per cylinder, two overhead camshafts, 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
Fuel / 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 per 100 km at constant 90 km/h	3.4 l
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 aluminium frame, load-bearing engine
Front suspension	Telescopic fork, ø 43 mm
Rear suspension	Cast aluminium single-sided swing arm with eccentric adjustment for rear axle, central spring strut, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable
Travel front / rear	140 mm / 140 mm
Wheelbase <sup>1</sup>	1,466 mm
Castor <sup>1</sup>	95 mm
Steering head angle <sup>1</sup>	64.2°
Wheels	Cast aluminium
Rim, front	3.50 x 17"
Rim, rear	5.50 x 17"
Tyre, front	120/70 ZR 17
Tyre, rear	180/55 ZR 17
Brake, front	Twin disc, floating brake discs, ø 320 mm, 4-piston fixed calipers
Brake, rear	Single disc, ø 265 mm, single-piston floating caliper
ABS <sup>2</sup>	BMW Motorrad ABS

### Dimensions / weights

Seat height	840 mm (low seat: 815 mm)
Seat height per lowest suspension setting	760 mm
Inner leg curve	1,850 mm (low seat: 1,820 mm)
Inner leg curve per lowest suspension setting	1,700 mm
Unladen weight, road ready <sup>3</sup>	204 / 209 kg
Dry weight <sup>4</sup>	182 / 187 kg
Permitted total weight	405 kg
Payload (with standard equipment)	201 / 196 kg
Usable tank volume	16 l
Reserve	approx. 4 l
Length	2,082 / 2,195 mm
Height (excl. mirrors)	1,155 / 1,225 mm
Width (incl. mirrors)	860 mm

1) Unladen as per DIN standard

2) Optional extra

3) In compliance with Directive 93/93/EEC with all fluids, fuelled with at least 90% of usable tank volume

4) Unladen weight without operating fluids