

BMW Motorrad
Sports
Sports Tourers



F 800 S
F 800 ST

The Ultimate
Riding Machine



F 800 S
F 800 ST
Serious Fun.

F 800 S / F 800 ST

The new BMW F 800 S/ST from the huge BMW motorcycle family 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.



Paintwork: sunset yellow single tone



Paintwork: flame red single tone



Paintwork: graphitan 2 metallic matt



Paintwork: blue metallic

Engine

Type	Water-cooled, four-stroke two-cylinder engine, four valves, dual overhead camshaft, dry sump lubrication
Bore x stroke	82 mm x 75.6 mm
Capacity	798 ccm
Output	62.5 kW (85 bhp) at 8,000 rpm (performance reduction 25 kW (34 bhp) at 7,000 rpm possible)
Max. torque	86 Nm at 5,800 rpm (performance reduction: 55 Nm at 3,500 rpm)
Compression ratio	12:1
Fuel / engine management	Electronic injection into the throttle / BMW motorcycle engine management BMS-K
Emission control	Regulated 3-way catalytic converter

Performance / fuel consumption

Maximum speed	Over 200 km/h (124 mph)
Fuel consumption per 100 km (62 mls.) at constant 90 km/h (56 mph)	3.4 l
at constant 120 km/h (75 mph)	4.4 l
Fuel type	Super unleaded 95 (RON)

Electrics

Alternator	400 W generator
Battery	12 V / 14 Ah

Power transmission

Clutch	Multi-disc oil-bath clutch, mechanically operated
Gearbox	Synchromesh 6-speed gearbox integrated in crankcase
Secondary drive	Belt transmission with slipper drive

Chassis / brakes

Frame	Aluminium bridge-type, load-bearing engine
Front suspension	Telescopic forks, stanchion diameter 43 mm
Rear suspension	Die-cast aluminium single-sided swinging arm with rear wheel axle adjustable via Excenter; central spring strut, continuously variable hydraulic spring preload adjustment via hand-wheel, adjustable rebound damping
Travel front / rear	140 mm / 140 mm
Wheelbase (in normal position)	1,466 mm
Castor (in normal position)	94,6 mm
Steering head angle (in normal position)	63,8°
Wheels	Die-cast aluminium
Rims, front	3.50 x 17
Rims, rear	5.50 x 17
Tyres, front	120 / 70 ZR 17
Tyres, rear	180 / 55 ZR 17
Brakes, front	EVO brake system with dual disc, floating brake discs, 320 mm diameter, four-piston fixed calliper
Brakes, rear	Single disc, diameter 265 mm, two-piston fixed calliper
ABS*	BMW Motorrad Integral ABS

Dimensions / weights

	F 800 S	F 800 ST
Seat height, unladen	820 mm	790 mm
Unladen, road ready, fully fuelled**	204 kg	209 kg
Dry weight***	182 kg	187 kg
Max. permitted weight	401 kg	401 kg
Max. load with standard equipment	197 kg	192 kg
Usable tank volume	16 l	16 l
Reserve	Approx. 4.0 l	Approx. 4.0 l
Length	2,082 mm	2,195 mm
Height (without mirrors)	1,155 mm	1,225 mm
Width (with mirrors)	860 mm	860 mm

* Optional extra

** As defined in EU directive 93/93/EEC, filled with all operating fluids, fuelled to at least 90% of usable tank capacity.

*** Unladen weight without fuel/operating fluids.