

Phil Hawksley's BM Bikes

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BMW F800S Specifications

Start of Production 2006

End of Production N/A

Numbers Produced N/A

Price (2006) £5,995 OTR

(April 2007) £6,295 OTR



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Engine

Motor Type

Water-cooled, 2-cylinder, 4-stroke, four valves per cylinder, two overhead camshafts, dry sump lubrication

Bore x Stroke
Displacement

82 mm x 75,6 mm
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

Emission control

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

Electrical System

Alternator

three-phase alternator 400 W

Battery

12 V / 14 Ah, maintenance-free

Chassis

Type of Frame	Bridge-type aluminium frame, load-bearing engine
Front wheel suspension	Telescopic fork, Ø 43 mm 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
Rear wheel suspension	140 mm / 140 mm
Spring Travel Front/Rear	1,466 mm
Wheelbase	95 mm
Castor	64.2°
Steering head angle	Cast aluminium
Wheels	3.50 x 17"
Wheel Rims, Front	5.50 x 17"
Wheel Rims, Rear	120/70 ZR 17
Tyres, Front	180/55 ZR 17
Tyres, Rear	Twin disc, floating brake discs, diameter 320 mm, four-piston fixed calipers
Brakes, Front	Single disc, diameter 265 mm, single-piston floating caliper
Brakes, Rear	Optional extra: BMW Motorrad ABS
ABS	

Dimensions/Weights

Length	2,082 / 2,195 mm
Width (incl. mirrors)	860 mm
Height (excl. mirrors)	1,155 / 1,225 mm
Usable tank volume	16 litres
Reserve	approx. 4.0 litres
Unladen Weight with Full Tank	204 / 209 kg
Dry weight	182 / 187 kg
Max. Permissible Weight	405 kg
Payload (with standard equipment)	201 / 196 kg
Seat Height (Unladen)	820 mm (low seat: 790 mm)
Inner leg curve, unladen weight	1,810 mm (low seat: 1,745 mm)
Fuel consumption per 100 km at constant 90 km/h	3.4 litres
Fuel consumption per 100 km at constant 120 km/h	4.4 litres
Fuel type	Unleaded super, minimum octane rating 95 (RON)
Top Speed	Over 200 km/h