

Phil Hawksley's BM Bikes

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BMW F800ST Specifications

Constant mesh 6-speed gearbox integrated into crankcase

Start of Production N/A

End of Production N/A

Numbers Produced N/A

Price (2006) £6,495 OTR

(April 2007) £6,895 OTR

Engine

Motor Type

Bore x Stroke
Displacement

Rated output

Max Torque

Compression Ratio

Mixture control / engine management

Emission control

Power Transmission

Clutch

Gearbox

Drive

Electrical System

Alternator



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

82 mm x 75.6 mm

798 cc

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

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

12.0 : 1

Electronic intake pipe injection / digital engine management (BMS-K)

Closed-loop 3-way catalytic converter, emission standard EU-3

Multiple-disc clutch in oil bath, mechanically operated

Constant mesh 6-speed gearbox integrated into crankcase

Belt drive with shock damper

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

Wheels Cast aluminium

Wheel Rims, Front 3.50 x 17"

Wheel Rims, Rear 5.50 x 17"

Tyres, Front 120/70 ZR 17

Tyres, Rear 180/55 ZR 17

Brakes, Front Twin disc, floating brake discs, diameter 320 mm, four-piston fixed calipers

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

ABS Optional extra: BMW Motorrad ABS

Dimensions/Weights

Length 2,082 / 2,195 mm

Width (incl. mirrors) 860 mm

Height (excl. mirrors) 1,155 / 1,225 mm

Useable Fuel Capacity 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