

BMW F 800 GS Adventure, 2013



Engine	
Type	Water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication
Bore x stroke	82 mm x 75.6 mm
Capacity	798 cc
Rated output	63 kW (85 hp) at 7,500 rpm possible reduction: 35 kW (48 hp) at 7,000 rpm
Max. torque	83 Nm at 5,750 rpm possible reduction: 63 Nm at 4,000 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	193 km/h
Fuel consumption per 100 km at constant 90 km/h	4.3 l
Fuel consumption per 100 km at constant 120 km/h	5.7 l
Fuel type	Unleaded super, minimum octane rating 95 (RON); optional extra 91 (RON) available
Electrical system	
Alternator	three-phase alternator 400 W (rated power)
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	Endless O-ring chain with shock damping in rear wheel hub
Chassis / brakes	
Frame	Tubular steel space frame, load-bearing engine
Front wheel location / suspension	Upside-down telescopic fork, Ø 43 mm
Rear wheel location / suspension	Cast aluminium dual swing arm, WAD strut (travel related damping), spring pre-load hydraulically adjustable, rebound damping adjustable
Suspension travel front / rear	230 mm / 215 mm
Wheelbase	1,578 mm
Castor	117 mm

Steering head angle	64°
Wheels	Wire spoke wheels
Rim, front	2.15 x 21"
Rim, rear	4.25 x 17"
Tyres, front	90/90 - 21 54V
Tyres, rear	150/70 - 17 69V
Brake, front	Dual disc, floating brake discs, diameter 300 mm, double-piston floating calipers, ABS
Brake, rear	Single disc, diameter 265 mm, single-piston floating caliper, ABS
ABS	BMW Motorrad ABS
Dimensions / weights	
Length	2.305 mm
Width (incl. mirrors)	925 mm
Height (excl. mirrors)	1.450 mm
Seat height, unladen weight	890 mm (860 mm low seat)
Inner leg curve, unladen weight	1.960 mm (1.920 mm low seat)
Unladen weight, road ready, fully fuelled ¹⁾	229 kg
Dry weight	
Permitted total weight	454 kg
Payload (with standard equipment)	225 kg
Usable tank volume	24l
Reserve	ca. 4,0 l

- Technical data relate to the unladen weight (DIN)
- ¹⁾ According to Directive 93/93/EEC with all fluids, fuelled to at least 90% of usable fuel tank