

BMW Motorrad
F 650 GS



www.bmw-motorrad.co.uk



BMW F 650 GS

Go where you want to go...

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The F 650 GS is the on and off-road enduro used by experts and novices alike. Developed out of BMW's all-conquering Paris Dakar Rally machine it will go wherever its rider wants – gravel, tarmac, sand, stone, rock or supermarket car park. Traversing all types of terrain is what the gutsy little 650cc single-cylinder bike was built for. Its durability is legendary but despite this, it is one of the easiest enduro/road bikes to ride and handle. With 3 seat heights available ex-works, the F 650 GS ensures excellent rider ergonomics and the twin-spark ignition reduces exhaust emissions. Power reduction is available as an optional extra for holders of restricted motorcycle licences.

Engine

Type:	Water-cooled 1-cylinder 4-stroke engine, four valves, two overhead camshafts, dry sump lubrication
Bore x stroke:	100 mm x 83 mm
Capacity:	652 ccm
Rated output:	37 kW (50 bhp) at 6500 rpm (output reduction: 25 kW [34 bhp] at 5500 rpm) possible
Max. torque:	60 Nm at 4800 rpm (output reduction: 51 Nm at 4000 rpm)
Compression ratio:	11.5 : 1
Carburetion / engine management:	Electronic intake pipe injection/BMW engine management, dual ignition
Emission control:	Closed-loop 3-way catalytic converter

Performance/fuel consumption

Maximum speed:	Approx. 170 km/h (output reduction: Approx. 145 km/h)
Fuel consumption over 100 km at steady 90 km/h:	3.2 l
Fuel consumption over 100 km at steady 120 km/h:	4.3 l
Fuel type:	Unleaded regular, minimum octane rating 91 (RON)

Electrical system

Generator:	400 W three-phase generator
Battery:	12 V/12 Ah, on board socket

Power transmission

Clutch:	Multi-disc oil-bath clutch, mechanically operated
Gearbox:	Constant mesh 5-speed transmission integrated in engine housing
Drive:	Endless O ring chain with cush damping in the rear wheel hub

Chassis/brakes

Frame:	Bridge-type, tubular, steel, with bolted-on rear section.
Front wheel location / suspension:	Telescope fork with stabiliser, stanchion diameter 41 mm
Rear wheel location / suspension:	Box-section dual swing arm, steel; spring strut, spring preload and rebound damping hydraulically adjustable by means of hand wheel to continuously variable levels
Travel front/rear:	170 mm/165 mm
Wheelbase	
(in normal position):	1479 mm
Caster (in normal position):	113.3 mm
Steering head angle (in normal position):	60.8 °
Wheels:	Spoke wheels
Rim, front:	2.50 x 19
Rim, rear:	3.00 x 17
Tyres, front:	100/90 S 19
Tyres, rear:	130/80 S 17
Brake, front:	Single disc, 300 mm diameter, 2-piston floating caliper
Brake, rear:	Single disc, 240 mm diameter, 1-piston floating caliper
ABS:	Special equipment: BMW Motorrad ABS, can be deactivated

Dimensions/weights

Seat height, unladen:	780 mm (optional lower seat at no cost: 750 mm, optional higher seat at no cost: 820 mm)
Unladen, road ready, fully fuelled ¹⁾ :	192.0 kg
Dry weight ²⁾ :	175.4 kg
Permitted total weight:	380.0 kg
Payload (with standard equipment):	187.0 kg
Usable tank volume:	17.3 l
Incl. reserve:	Approx. 4.5 l
Length:	2175 mm
Height (not incl. mirrors):	1265 mm
Width (incl. mirrors):	910 mm

For further information, or to arrange a test ride, please contact your local BMW Motorrad Dealership. Alternatively, telephone **0800 777 155**, or visit the BMW Motorrad website at: www.bmw-motorrad.co.uk



828, Avus blue metallic



715, Deep black



829, Yellow



925, Iceberg silver, black dualseat

¹⁾ According to guideline 93/93/EEC with all operating liquids, with at least 90 % of usable fuel tank volume

²⁾ Unladen weight without operating liquids * Red dualseat optional ** Two-colour paintwork as an optional extra