



## BMW F 650 GS Dakar

Back to nature with the power of the machine. On rough off-road tracks. Over sand dunes. Through canyons. And not forgetting the urban jungle. The BMW F 650 GS Dakar always finds its way through. This is the sports version of the BMW F 650 GS. For Enduro trekking and off-road action. With longer spring travel, its large 21-inch front wheel and special Enduro tyres, the BMW F 650 GS Dakar always takes you straight to your destination – nothing gets in its way. But it's also kind to the environment. The engine management system together with dual ignition and a closed-loop 3-way catalytic converter enables lower fuel consumption and reduced exhaust emissions. The four-valve single-cylinder engine has power you can just feel waiting to be unleashed. Coupled with refined running gear, it makes the BMW F 650 Dakar a decisive force that keeps control even in extreme situations.



Paintwork: blue metallic/white aluminium matt metallic

### Engine

Type	Water-cooled single-cylinder 4-stroke, four valves, two overhead camshafts, dry sump lubrication
Bore / stroke	100 mm x 83 mm
Capacity	652 cc
Rated output	37 kW (50 hp) at 6,500 rpm (output reduction to 25 kW (34 hp) at 5,000 rpm possible)
Max. torque	60 Nm at 4,800 rpm (with output reduction: 51 Nm at 4,000 rpm)
Compression ratio	11.5 : 1
Fuel / engine management	Electronic intake pipe injection / BMW engine management, twin-spark ignition
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-3

### Performance / fuel consumption

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

### Electrical system

Alternator	three-phase alternator 400 W
Battery	12 V / 12 Ah

### Power transmission

Clutch	Multiple-disc clutch in oil bath, mechanically operated
Gearbox	Constant mesh 5-speed gearbox integrated into crankcase
Drive	Endless O-ring chain with shock damper in rear wheel hub

### Chassis / brakes

Frame	Bridge-type steel section frame with bolted-on rear section
Front suspension	Telescopic fork, ø 41 mm, fork stabiliser
Rear suspension	Box-section steel section dual swing arm, central spring strut operated by lever system, spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable
Travel front / rear	210 mm / 210 mm
Wheelbase <sup>1</sup>	1,484 mm
Castor <sup>1</sup>	123 mm
Steering head angle <sup>1</sup>	61.9°
Wheels	Wire spoke
Rim, front	1.60 x 21"
Rim, rear	3.00 x 17"
Tyre, front	90/90 S 21
Tyre, rear	130/80 S 17
Brake, front	Single disc, ø 300 mm, double- piston floating caliper
Brake, rear	Single disc, ø 240 mm, single-piston floating caliper
ABS <sup>2</sup>	BMW Motorrad ABS (can be switched off)

### Dimensions / weights

Seat height	870 mm (low seat: 830 mm)
Inner leg curve	1,980 mm (low seat: 1,900 mm)
Unladen weight, road ready <sup>3</sup>	193 kg
Dry weight <sup>4</sup>	177 kg
Permitted total weight	380 kg
Payload (with standard equipment)	187 kg
Usable tank volume	17.3 l
Reserve	approx. 4.5 l
Length	2,189 mm
Height (excl. mirrors)	1,395 mm
Width (incl. mirrors)	910 mm

1) Unladen as per DIN standard

2) Optional extra

3) In compliance with Directive 93/93/EEC with all fluids, fuelled with at least 90 % of usable tank volume

4) Unladen weight without operating fluids