

# DATA & EQUIPMENT

## THE BMW F 900 GS

The BMW F 900 GS is our Enduro, with which you go through thick and thin, mountains and valleys, sand and gravel. And easy, thanks to its powerful 77 kW (105 hp) engine and numerous items of equipment for ambitious off-road use. With its reduced weight, you can control it confidently in any situation. You can find out even more exciting figures and everything about the technical data and standard equipment here.



## TECHNICAL DATA

### Engine

<b>Rated output</b>	77 kW (105 hp) at 8,500 rpm <sup>1)</sup>
<b>Emission control</b>	Closed-loop 3-way catalytic converter
<b>Type</b>	Water-cooled, 2-cylinder, four-stroke engine with four cam-operated valves per cylinder, two overhead camshafts and dry-sump lubrication
<b>Bore x stroke</b>	86 mm x 77 mm
<b>Capacity</b>	895 cc
<b>Max. torque</b>	93 Nm at 6.750 rpm
<b>Compression ratio</b>	13.3 : 1
<b>Mixture control</b>	Electronic intake pipe injection / digital engine management system: BMS-X with throttle-by-wire
<b>Exhaust emission standards</b>	EU 5

### Performance / fuel consumption

<b>Maximum speed</b>	Over 200 km/h
<b>Fuel consumption per 100 km based on WMTC</b>	4.4 l
<b>Fuel type</b>	Super unleaded (max. 15% ethanol, E15), 95 ROZ/RON, 90 AKI

### Electrical system

<b>Alternator</b>	Permanent magnet alternator with 416 W (nominal power)
<b>Battery</b>	12 V / 9 Ah, maintenance-free

### Power transmission

<b>Clutch</b>	Multiplate clutch in oil bath, anti-hopping clutch
<b>Drive</b>	Endless O-ring chain with shock damping in rear wheel hub

### Chassis / brakes

<b>Frame</b>	Bridge-type frame, steel shell construction
<b>Front wheel location / suspension</b>	Telescopic fork, diameter 41 mm
<b>Rear wheel location / suspension</b>	Cast aluminium dual swing arm, central WAD spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable; SA Enduro Paket Pro: central WAD spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable (High/Low Speed)
<b>Suspension travel, front / rear</b>	230 mm / 215 mm
<b>Wheelbase</b>	1,590 mm
<b>Castor</b>	119.8 mm
<b>Steering head angle</b>	62°
<b>Wheels</b>	Cross spoke wheels
<b>Rim, front</b>	2.15 x 21"
<b>Rim, rear</b>	4.25 x 17"
<b>Tyre, front</b>	90/90 R21
<b>Tyre, rear</b>	150/70 R17
<b>Brake, front</b>	Twin disc brake, floating brake discs, diameter 305 mm, 2-piston floating caliper
<b>Brake, rear</b>	Single disc brake, diameter 265 mm, 1-piston floating caliper
<b>ABS</b>	BMW Motorrad ABS

### Dimensions / weights

<b>Seat height at unladen weight</b>	870 mm (OE lowering: 815 mm; OE rally seat high: 890 mm; OE rally seat low: 835 mm; OA single seat: 870 mm)
<b>Inner leg curve at unladen weight</b>	1,935 mm (OE lowering: 1,800 mm; OE rally seat high: 1,965 mm; OE rally seat low: 1,900 mm; OA single seat: 1,935 mm)
<b>Usable tank volume</b>	14.5 l
<b>Reserve</b>	approx. 4 l
<b>Length</b>	2,270 mm (over splash guard)
<b>Height</b>	1,393 mm (above windshield)
<b>Width</b>	943 mm (without accessories)
<b>Unladen weight, road ready, fully fuelled</b>	219 kg <sup>1)</sup>
<b>Permitted total weight</b>	445 kg
<b>Payload (with standard equipment)</b>	226 kg