



BMW Motorrad

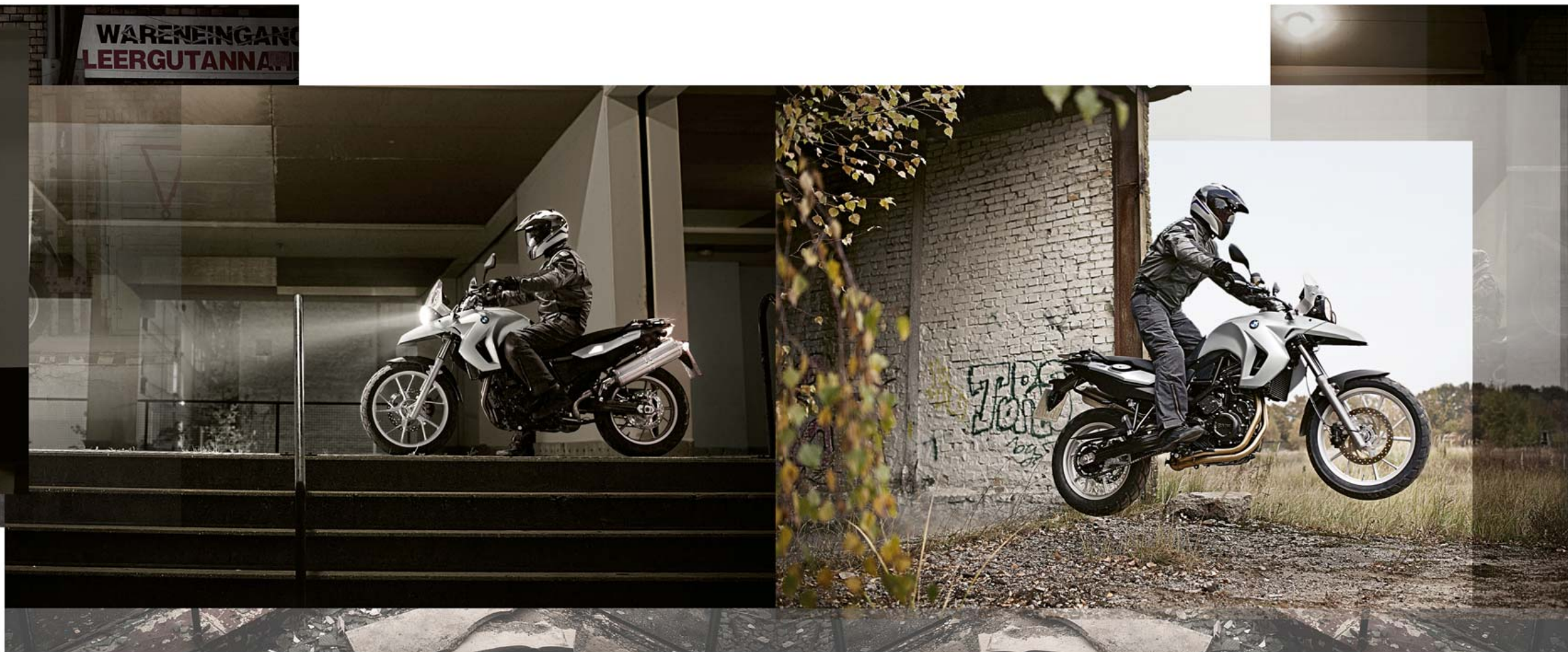
F 650 GS



The Ultimate
Riding Machine



UNSTOPPABLE
F 650 GS



WHEREVER, WHENEVER. THE F 650 GS.

This is a motorcycle for real life. A real all-rounder, with real power. In short, a real BMW. Compact and lightweight, practical and well-balanced, it is equally at home around town, on gravel trails, or for a weekend away with a passenger on the back.

From the moment you climb aboard, it just feels right, with its comfortably low seat height. Turn on the ignition, and feel how the twin-cylinder engine is just itching to get the cast aluminium wheels rolling.

And off you go – through the urban jungle and out into the wide world beyond. The rougher the environment, the happier you'll be, thanks to the bike's outstanding handling and robust, highly versatile chassis. It's tough on the terrain, and

easy on the rider, taking you wherever you want to go, and ensuring you always want to go further. As darkness falls, the asymmetric headlights light the way home. Is it really that time already?



F 650 GS

COOL YET EXPLOSIVE. THE DRIVE TRAIN.

Plough through dirt trails, send the gravel flying and burn up the tarmac. Where does all this power come from? The answer's simple: from a water-cooled 798-cc parallel twin-cylinder engine. Four valves per cylinder and double overhead camshafts add up to zero compromises. A large airbox helps it develop an impressive

71 horsepower (52 kilowatts), and the sturdy chain drive will never let you down. This is a bike that can perform in any situation. Its maximum torque of 75 newton-metres is available from just 4,500 rpm, and the slightest twist of the throttle will send you racing forwards. On or off road, it's always up for a challenge, but is anything but challenging for the



LET IT RIDE. THE SUSPENSION.

The suspension of the F 650 GS handles anything that you throw at it. How? Thanks to a telescopic fork with 180 millimetres of travel at the front, and a central strut with 170 millimetres of travel at the rear. Spring preload and compression damping can be adjusted to suit the conditions,

ensuring maximum thrills on rough ground, and a comfortable ride on long journeys. The sturdy die-cast aluminium double swing-arm and the lightweight yet extremely rigid tubular space frame are just the icing on the cake.



rider to control. And digital engine management and a catalytic converter show it's got a sensible side as well.

GIVING YOUTH ITS HEAD.

The reduced-output version (34 horsepower/ 25 kilowatts) is perfect for beginners. After all, what better way could there be to get into motorcycling than to get onto an F 650 GS. It's also highly economical, and can do over 180 miles between refuelling stops. In case you forget, the petrol tank's under the seat.

TECHNOLOGY IS THE BEST PROTECTION.

Stopping force is applied to the cast wheels (19-inch at the front, 17-inch at the rear) by powerful single-disc brakes. If that's not enough, ABS is also available as an option. This switchable system effectively prevents the wheels from

locking up under braking, and adds just 1.5 kilograms of extra weight. Another useful option is the Tyre Pressure Control (TPC) system, which helps ensure your tyre pressures are always spot on. But whichever equipment you specify, on the F 650 GS, an exciting ride is guaranteed.

ENGINE	
Type	Water-cooled, in-line twin-cylinder four-stroke engine, four valves per cylinder, double overhead camshaft, dry sump lubrication
Bore x stroke	82 mm x 75.6 mm
Capacity	798 cc
Max. output	71 hp (52 kW) at 7,000 rpm (34 hp/25 kW at 5,000 rpm with power reduction)
Max. torque	75 Nm at 4,500 rpm (57 Nm at 3,000 rpm with power reduction)
Compression ratio	12.0:1
Fuell/engine management	Electronic fuel injection, electronic engine management (BMS-K+)
Emission control	Regulated 3-way catalytic converter, compliant with EU3 emission standard

PERFORMANCE/FUEL CONSUMPTION	
Max. speed	Approx. 185 km/h
Fuel consumption per 100 km at a constant 90 km/h	3.7 litres
Fuel consumption per 100 km at a constant 120 km/h	5.2 litres
Fuel type	Regular unleaded, 91-octane (RON) or higher

ELECTRICS	
Alternator	400-W three-phase generator
Battery	12 V/14 Ah, maintenance-free

TRANSMISSION	
Clutch	Mechanically operated multi-disc wet clutch
Gears	Six-speed synchromesh gearbox built into crankcase
Driver	Endless O-ring chain with cush damping at rear wheel hub

CHASSIS/BRAKES	
Frame	Tubular steel space frame with load-bearing engine
Suspension, front	Telescopic fork, diameter 41 mm
Suspension, rear	Die-cast aluminium double swing-arm, central suspension strut, spring preload hydraulically and steplessly adjustable via handwheel, adjustable rebound damping
Travel, front/rear	180 mm/170 mm
Wheelbase	1,575 mm
Castor	92 mm
Steering head angle	64°
Wheels	Cast aluminium
Rim dimensions, front	2.50 x 19"
Rim dimensions, rear	3.50 x 17"
Tyre, front	110/80 19 59H
Tyre, rear	140/80 17 69H
Brake, front	Single-disc brake, diameter 300 mm, double-piston floating caliper
Brake, rear	Single-disc brake, diameter 265 mm, single-piston floating caliper
ABS	Optional BMW Motorrad ABS (switchable)

DIMENSIONS/WEIGHT	
Seat height, unladen	820 mm (low seat: 790 mm, lowered suspension: 765 mm, comfort seat: 835 mm)
Rider step length, unladen	1,810 mm (low seat: 1,760 mm, lowered suspension: 1,710 mm, comfort seat: 1,840 mm)
Unladen weight, fully fuelled/road-ready (1)	199 kg
Dry weight (2)	179 kg
Max. permitted weight	436 kg (with lowered suspension: 349 kg)
Max. load (with standard equipment)	237 kg (with lowered suspension: 150 kg)
Usable tank capacity	16.0 litres
Of which reserve	Approx. 4.0 litres
Length	2,280 mm
Height (excluding mirrors)	1,240 mm
Width (inc. mirrors)	890 mm

Dimensions refer to unladen motorcycles as per DIN standard definition.

(1) As defined in EU directive 93/93/EEC, filled with all operating fluids, fuelled to at least 90% of usable tank capacity.
(2) Unladen weight without operating fluids.

For more information, visit

bmw-motorrad.com



White Aluminium Matt Metallic



Lava Orange Metallic



Biarritz Blue Metallic

OPTIONAL EQUIPMENT



BMW Motorrad ABS

- Advanced two-channel ABS
- Weight just 1.5 kg
- Switchable
- Extremely compact
- Low electricity consumption
- Precisely controllable



ON-BOARD COMPUTER

- Ambient temperature
- Gear currently selected
- Radiator water temperature
- Average fuel consumption
- Fuel level
- Range

ACCESSORIES



VARIABLE PANNIERS

- Capacity can be adjusted by moving a bar
- Black in colour
- Capacity 47–67 litres (29 litres left, 38 litres right)



TANKBAG

- Capacity approx. 14 litres
- Waterproof main compartment
- A4-sized map pocket
- Two external splashproof compartments
- Hand carry strap



AKRAPOVIČ® SILENCER

- Slip-on design
- Carbon bracket
- Weight approx. 2.5 kg (2.3 kg less than standard component)
- Made of titanium and stainless steel
- Original BMW Motorrad Part warranty
- Easy to install



Check out the Enduro helmet and the full range of Rider and Motorcycle Equipment online.

bmw-motorrad.com



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