

Model Specification for G650GS



Engine

Type	Water cooled single cylinder, 4-stroke engine, 4 valves, 2 overhead camshafts, dry sum lubrication
Bore x stroke	100mm x 83mm
Capacity	652cc
Rated Output	35Kw (48hp) at 6,500rpm
Max. torque	60Nm at 5,000rpm
Compression ratio	11.5:1
Mixture control / engine management	Electronic Intake Pipe Injection / BMW engine management, twin spark ignition
Emission control	Closed loop 3-way catalytic converter, Emission std EU3

Dimensions / weights

Length	2165mm
Width (incl.mirrors)	920mm
Height (excl.mirrors)	1390mm
Seat height, unladen weight	780mm (Lowered suspension 750mm)
Inner leg curve, unladen weight	1770mm (Lowered suspension 1710mm)
Unladen weight, road ready fully fuelled	192Kg
Dry weight	175Kg
Permitted total weight	380Kg
Payload (with standard equipment)	188Kg
Usable tank volume	14.0l
Reserve	4l

Chassis / brakes

Chassis / brakes	Bridge-type steel section frame with bolted-on rear section
Front wheel location / suspension	Telescopic fork, ø 41mm, fork stabiliser
Rear wheel location / suspension	Box section steel dual swing arm, central spring strut operated by lever system, spring pre-load hydraulically adjustable (continuously variable) at handwheel,
Suspension travel front / rear	170mm / 165mm (Lowered suspension 140mm)
Wheelbase	1477mm
Castor	113mm
Steering head angle	61.9°
Wheels	Cast aluminium
Rim, front	2.50 x 19"
Rim, rear	3.50 x 17"
Tyres, front	110/80 R19 59V
Tyres, rear	140/80 R17 69V
Brake, front	Single disc, diameter 300mm, double-piston floating caliper
Brake, rear	Single disc, diameter 240mm, single-piston floating caliper
ABS	Optional extra: BMW Motorrad ABS (can be switched off)

Electrical System

Alternator	Three phase alternator 400W
Battery	12V / 12Ah

Performance

Maximum speed	Approx 170Km/h
Fuel consumption per 100 km at constant 90 km/h	3.2l
Fuel consumption per 100 km at constant 120 km/h	4.3l
Fuel type	Unleaded regular, minimum octane rating 91 (RON)

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 damping in rear wheel hub

The technical data stated refers to the current version of the model selected. Due to certain legal regulations in different countries, deviations in the technical data described here can occur. For more details, go to www.bmw-motorrad.co.za