

Phil Hawksley's BM Bikes

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BMW R1150GS Specifications

Start of Production	1999
End of Production	N/A
Numbers Produced	N/A
Price (2003) UK £	7,995
US \$	14,500



Engine

Motor Type	Four-stroke, two cylinder, horizontally opposed "Boxer" engine, air cooled
Bore x Stroke	101 x 70.5 mm (3.97 x 2.77 in)
Displacement	1130 cc
Max Power	85 hp (62.5 KW) at 6,750 rpm
Max Torque	98 Nm / 72 ft lb at 5,250 rpm
Compression Ratio	10.3 : 1
Valves Per Cylinder	4
Valve Control	hc, using chain drive, cup tappets, push rod and rocker arm
Mixture Control / Engine Management	Electronic intake pipe injection/digital engine management: Bosch Motronic MA 2.4 with overrun fuel cut off, twin spark ignition (Dec 2002 on)
Emission Control	Closed loop 3 way catalytic converter
Engine Lubricating System	Wet sump

Power Transmission

Clutch	Single disc dry clutch, hydraulically operated
Gearbox	Constant mesh 6 speed gearbox (overdrive) (special equipment: short 6th gear)
Gearbox Ratios	2.045 / 1.600 / 1.267 / 1.038 / 0.900 / 0.679
Rear Wheel Ratio	2.82
Bevel / Crownwheel	31 / 11
Drive	Shaft Drive

Electrical System

Ignition System	Electronic ignition, Bosch Motronic MA 2.4. Twin spark (Dec 2002 on)
Alternator	600 W three phase alternator (special equipment: stronger power supply 700W)
Battery	12V / 14 Ah (special equipment: 12V / 19 Ah)
Chassis	
Type of Frame	Three section composite frame consisting of front & rear section, load bearing engine BMW Motorrad Telelever; stanchion diameter 35 mm, central strut, spring pre-load 5 times mechanically adjustable)
Front wheel suspension	Die cast aluminium single sided swinging arm with BMW Motorrad Paralever;
Rear wheel suspension	central strut, spring pre-load and rebound damping adjustable to continuously variable levels by mean of a hydraulic handwheel
Travel Front/Rear	190 / 200 mm (7.48 x 7.87 in)
Wheels	Cross spoke wheels
Wheel Rims, Front	2.50 x 19
Wheel Rims, Rear	4.00 x 17
Tyres, Front	110 / 80-ZR 19 and 110 / 80 B 19
Tyres, Rear	150 / 70-ZR 17 and 150 / 70 B 17
Brakes, Front	EVO brake system with dual disc, floating brake discs, diameter 320 mm / 12.6 in ,4 piston fixed caliper
Brakes, Rear	Single disc brake 276 mm / 10.86 in diameter, double piston floating caliper
ABS	Special equipment BMW Motorrad Integral ABS (partially integral) (disconnectable)
Dimensions/Weights	
Length x Width x Height	2189 x 980 x 1366 mm (86.18 x 38.58 in)
Seat Height	840 / 860 mm (33.07 / 33.85 in)
Wheel Base	1509 mm / 59.40 in
Castor (in Normal Position)	115 mm / 4.52 in
Steering Head Angle (in Normal Position)	62.9 degrees
Fuel Tank Useable Volume	22.1 litres / 4.86 gal / 5.83 gal US
Reserve	4.0 litres / 0.87 gal / 1.05 gal US
Unladen Weight with Full Tank	249 Kg / 548 lb
Dry Weight	228 Kg / 502 lb
Max. Permissible Weight	460 Kg / 1013 lb
Payload (with Standard Equipment)	211 Kg / 464 lb
Fuel Consumption over 100 Km @	4.5 litres / 62 mpg / 52 mpg US

constant 90 Kph
Fuel Consumption over 100 Km @
constant 120 Kph

5.7 litres / 49 mpg / 41 mpg US

Fuel Type

Unleaded Premium minimum octane rating
95 (RON)

Top Speed

Approx. 194 Kph / 120 mph