

Phil Hawksley's BM Bikes

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BMW R1150GS Adventure Specifications

Start of Production	2001
End of Production	N/A
Numbers Produced	N/A
Price (2003) UK £	8,495
US \$	15,200



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	2.375 / 1.600 / 1.267 / 1.038 / 0.900 / 0.800
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	700 W three phase alternator

Battery	12V / 19 Ah
Chassis	
Type of Frame	Three section composite frame consisting of front & rear section, load bearing engine
Front wheel suspension	BMW Motorrad Telelever; stanchion diameter 35 mm, central strut, spring pre-load 5 times mechanically adjustable) Die cast aluminium single sided swinging arm with BMW Motorrad Paralever; WAD
Rear wheel suspension	strut (travel related damping), spring pre-load and rebound damping adjustable to continuously variable levels by mean of a hydraulic handwheel
Travel Front/Rear	210 / 220 mm (8.26 / 8.66 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 305 mm / 12 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	2180 x 980 x 1435 mm (85.82 x 38.58 x 56.49 in)
Seat Height	900 mm / 35.43 in (special equipment low seat bench: 860mm / 33.85 in)
Wheel Base	1501 mm / 59.09 in
Castor (in Normal Position)	121 mm / 4.76 in
Steering Head Angle (in Normal Position)	63.8 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	253 Kg / 557 lb (276.5 Kg / 609 lb with full special equipment)
Dry Weight	232 Kg / 511 lb
Max. Permissible Weight	470 Kg / 1035 lb
Payload (with Standard Equipment)	217 Kg / 477 lb
Fuel Consumption over 100 Km @ constant 90 Kph	4.5 litres / 62 mpg / 52 mpg US
Fuel Consumption over 100 Km @	5.7 litres / 49 mpg / 41 mpg US

constant 120 Kph

Fuel Type

Top Speed

Unleaded Premium minimum octane rating
95 (RON)

Approx. 192 Kph / 119 mph