

Phil Hawksley's BM Bikes

www.bmbikes.co.uk

BMW R80GS Specifications

Start of Production	1987
End of Production	1996
Numbers Produced	11,375
Price	10,950 DM



Engine

Motor Type	Four-stroke two cylinder horizontally opposed "Boxer" engine, air cooled
Bore x Stroke	84.8 x 70.6 mm (3.33 x 2.77 in)
Displacement	797.5 cc
Max Power	50 hp (37 KW) at 6,500 rpm
Max Torque	61 Nm / 44 ft lb at 3,750 rpm
Compression Ratio	8.2 : 1
Valves Per Cylinder	2
Valve Control	OHV, using push rod and rocker arm
Carburation System	2 constant depression carburetors, Bing 64/32/349 - 64/32/350
Engine Lubricating System	Wet sump

Power Transmission

Clutch	Dry single plate, with lever action diaphragm spring
Number of Gears	5
Gear Selection	Dog type gearbox (ratchet foot lever)
Gearbox Ratios	4.4 / 2.86 / 2.07 / 1.67 / 1.50 : 1
Rear Wheel Ratio	1 : 3.20
Bevel/Crownwheel	10 / 32 teeth

Electrical System

Ignition System	Contact free electronic ignition (Bosch)
Alternator	Bosch 280 W
Starter	Bosch 0.7 Kw
Spark Plugs	Bosch W 7 DC / Beru 14-7 DU/ Champion N9YC

Chassis

Type of Frame	Double loop tubular frame with bolt on rear
---------------	---

Front wheel suspension	section Telescopic fork with hydraulic shock absorber
Rear wheel suspension	BMW Paralever swinging arm
Spring Travel Front/Rear	225 / 180 mm (8.85 x 7.08 in)
Wheel Rims, Front	1.85 x 21 MTH 2
Wheel Rims, Rear	2.50 x 17 MTH 2
Tyres, Front	90 / 90 x 21 S
Tyres, Rear	130 / 80 x 17 S
Brakes, Front	Single disc brake 285 mm / 11.22 in diameter. Brembo 2 piston caliper
Brakes, Rear	Simplex drum brake 200 mm / 7.87 in diameter
 Dimensions/Weights	
Length x Width x Height	2290 x 1000 x 1165 mm (90.15 x 39.37 x 45.86 in)
Wheel Base	1514 mm / 59.60 in
Fuel Tank Capacity	24 litres / 5.27 gal / 6.34 gal US
Unladen Weight with Full Tank	210 Kg / 462 lb
Max. Permissible Weight	420 Kg / 925 lb
Ground Clearance	200 mm / 7.87 in
Seat Height (Unladen)	850 mm (33.5 inches)
Fuel Consumption	4.7 litres 100 Km (at constant 90 Kph) / 60 mpg / 50 mpg US
Top Speed	168 Kph / 104 mph
Acceleration 0 - 100 Kph / 62 mph	6 seconds