

Phil Hawksley's BM Bikes

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BMW K1100RS Specifications

Start of Production 1992

End of Production 1996

Numbers Produced 12,179

Price 21,950 DM



Engine

Motor Type

Four-stroke horizontal four cylinder in-line engine, liquid cooled

Bore x Stroke

70.5 x 70 mm (2.77 x 2.75 in)

Displacement

1092 cc

Max Power

100 hp (74 KW) at 7,500 rpm

Max Torque

107 Nm / 78 ft lb at 5,500 rpm

Compression Ratio

11 : 1

Valves Per Cylinder

4

Valve Control

DOHC, using drive chain and cup tappets

Carburation System

Electronic injection, Bosch Motronic MA

2.2

Engine Lubricating System

Wet sump

Power Transmission

Clutch

Dry single plate

Number of Gears

5

Gear Selection

Dog type gearbox (ratchet foot lever)

Gearbox Ratios

4.50 / 2.96 / 2.30 / 1.88 / 1.61 : 1

Rear Wheel Ratio

1 : 2.81

Bevel/Crownwheel

11 / 32 teeth

Electrical System

Ignition System

Electronic ignition, Bosch Motronic MA

2.2

Alternator

12 V 700 W

Starter

0.7 Kw

Spark Plugs

Bosch XR 5 DC / Beru 12 R-5 DU

Chassis

Type of Frame

Tubular space frame, engine serving as

Front wheel suspension	load bearing component Telescopic fork with hydraulic shock absorber
Rear wheel suspension	BMW Paralever swinging arm
Spring Travel Front/Rear	135 / 120 mm (5.31 x 4.72 in)
Wheel Rims, Front	3.50 x 17 MT H 2
Wheel Rims, Rear	4.50 x 18 MT H 2
Tyres, Front	120 / 70 VR 17
Tyres, Rear	160 / 60 VR 18
Brakes, Front	Dual disc brake 305 mm / 12 in diameter. Brembo 4 piston caliper
Brakes, Rear	Single disc brake 285 mm / 11.22 in diameter

Dimensions/Weights

Length x Width x Height	2230 x 802 x 1260 mm (87.79 x 31.57 x 49.6 in)
Wheel Base	1565 mm / 61.61 in
Fuel Tank Capacity	22 litres / 4.84 gal / 5.81 gal US
Unladen Weight with Full Tank	268 Kg 590 lb
Max. Permissible Weight	485 Kg / 1068 lb
Ground Clearance	125 mm / 4.92 in
Seat Height (Unladen)	800 mm (31.50 inches)
Fuel Consumption (at constant 90 Kph)	4.9 litres 100 Km / 57 mpg / 48 mpg US
Top Speed	220 Kph / 136 mph
Acceleration 0 - 100 Kph / 62 mph	3.8 seconds