

Phil Hawksley's BM Bikes

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BMW K1200RS Specifications

Start of Production	1996
End of Production	N/A
Numbers Produced	N/A
Price (2003) UK £	9,345
US \$	16,990



Engine

Motor Type	Water cooled 4 stroke in line four cylinder engine. two camshafts, four valves per cylinder
Bore x Stroke	70.5 x 75 mm (2.77 X 2.95 In)
Displacement	1171 cc
Max Power	130 bhp (96 KW) at 8,750 rpm (performance reduction: 98 bhp (72 Kw) at 7,000 rpm)
Max Torque	117 Nm / 86 ft lb at 6,750 rpm (performance reduction: 118 Nm at 5,500 rpm)
Compression Ratio	11.5 : 1
Mixture Control / Engine Management	Electronic intake pipe injection / BMW engine management, Motronic MA 2.4 with overrun fuel cut off
Emission Control	Closed Loop 3 Way Catalytic Converter

Power Transmission

Clutch	Single disc dry clutch, hydraulically operated
Number of Gears	Constant mesh 6 speed gearbox
Gearbox Ratios	2.045 / 1.600 / 1.267 / 1.038 / 0.900 / 0.829 : 1
Rear Wheel Ratio	1 : 2.75
Drive	Shaft Drive

Electrical System

Alternator	840W three phase alternator
Battery	12V / 19 Ah

Chassis

Type of Frame	Bridging frame consisting of die cast aluminium, engine de-coupled from vibration through bearings
Front wheel suspension	BMW Motorrad Telelever; stanchion diameter 35 mm, central strut
Rear wheel suspension	Die cast aluminium single sided swinging arm with BMW Motorrad Paralever; central strut, spring pre load adjustable to continuously variable levels by mean of hydraulic handwheel, rebound damping adjustable
Spring Travel Front/Rear	115 / 150 mm (4.52 x 5.90 in)
Castor (in normal position)	124 mm / 4.88 in
Steering Head Angle (in normal position)	62.75 degrees
Wheels	Die cast aluminium wheels
Wheel Rims, Front	3.50 x 17
Wheel Rims, Rear	5.50 x 17
Tyres, Front	120 / 70 ZR 17
Tyres, Rear	180 / 55 ZR 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 floating brake 285 mm / 11.22 in diameter, 4 piston fixed caliper
ABS	Series Equipment BMW Motorrad Integral ABS (fully integral)

Dimensions/Weights

Length x Width x Height	2250 x 850 x 1200 (88.58 x 33.46 x 47.24 in)
Seat Height (Unladen)	770 / 800 mm (30.31 / 31.49 in)
Wheel Base	1550 mm / 61.02
Useable Tank Volume	20.5 litres / 4.50 gal / 5.41 gal US
Unladen Weight with Full Tank	285 Kg / 627 lb
Dry Weight	266 Kg / 585 lb
Permitted Total Weight	500 Kg / 1101 lb
Fuel Consumption over 100 Km at constant 90 Kph	4.9 litres / 57 mpg / 48 mpg US
Fuel Consumption over 100 Km at constant 120 Kph	5.8 litres / 48 mpg / 40 mpg US
Fuel Type	Unleaded Premium, min. octane rating 95 (RON)
Top Speed	Over 124 Mph / 200 Kph