

Phil Hawksley's BM Bikes

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BMW K1 Specifications

Start of Production	1988
End of Production	1993
Numbers Produced	6,921
Price	20,200 DM



Engine

Motor Type	Four-stroke horizontal four cylinder in-line engine, liquid cooled
Bore x Stroke	67 x 70 mm (2.63 x 2.75 in)
Displacement	987 cc
Max Power	100 hp (74 KW) at 8,000 rpm
Max Torque	100 Nm / 74 ft lb at 6,750 rpm
Compression Ratio	11 : 1
Valves Per Cylinder	4
Valve Control	DOHC, using drive chain and cup tappets
Carburation System	Electronic injection, Bosch Motronic
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 : 2.75
Bevel/Crownwheel	12 / 33 teeth

Electrical System

Ignition System	Electronic ignition, Bosch Motronic
Alternator	12 V 460 W
Starter	0.7 Kw
Spark Plugs	Bosch XR 5 DC / Beru R-5 DU

Chassis

Type of Frame	Tubular space frame, engine serving as load bearing component
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Front wheel suspension	Telescopic fork with hydraulic shock absorber
Rear wheel suspension	BMW Paralever swinging arm
Spring Travel Front/Rear	135 / 140 mm
Wheel Rims, Front	3.50 x 17 MT H 2
Wheel Rims, Rear	4.50 x 18 MT H 2
Tyres, Front	120 / 70 ZR 17
Tyres, Rear	160 / 60 ZR 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 875 x 1210 mm (87.79 x 34.44 x 47.63 in)
Wheel Base	1565 mm / 61.61 in
Fuel Tank Capacity	22 litres / 4.84 UK gal / 5.81 US gal
Unladen Weight with Full Tank	234 Kg / 515 lb
Max. Permissible Weight	480 Kg / 1057 lb
Ground Clearance	140 mm / 5.51 in
Seat Height (Unladen)	780 mm (30.7 inches)
Fuel Consumption (at constant 90 Kph)	4.2 litres 100 Km / 62 mpg / 56 mpg US
Top Speed	240 Kph / 149 mph
Acceleration 0 - 100 Kph / 62 mph	3.9 seconds