

Phil Hawksley's BM Bikes

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BMW K1100LT Specifications

Start of Production 1989

End of Production 1999

Numbers Produced 22,757

Price 22,850 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 / 78.9 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
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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	2.50 x 18 MT H 2
Wheel Rims, Rear	3.00 x 17 MT H 2
Tyres, Front	110 / 80 VR 18
Tyres, Rear	140 / 80 VR 17
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	2250 x 915 x 1450 mm (88.58 x 36 x 57 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	290 Kg / 638 lb
Max. Permissible Weight	500 Kg / 1101 lb
Ground Clearance	125 mm / 4.92 in
Seat Height (Unladen)	810 mm (31.89 inches)
Fuel Consumption (at constant 90 Kph)	4.9 litres 100 Km / 57 mpg / 48 mpg US
Top Speed	210 Kph / 130 mph
Acceleration 0 - 100 Kph / 62 mph	4.3 seconds