

Phil Hawksley's BM Bikes

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BMW R50/5 Specifications

Start of Production	1969
End of Production	1973
Numbers Produced	7,865
Price	3,696 DM



Engine

Motor Type	Four-stroke two cylinder horizontally opposed "Boxer" engine, air cooled
Bore x Stroke	67 x 70.6 mm (2.63 x 2.77 in)
Displacement	498 cc
Max Power	32 hp (23.6 KW) at 6,400 rpm
Max Torque	39 Nm at 5,000 rpm
Compression Ratio	8.6 : 1
Valves Per Cylinder	2
Valve Control	OHV, using push rod and rocker arm
Carburation System	2 slide carburetors, Bing 1/26/113 - 1/26/114
Engine Lubricating System	Wet sump

Power Transmission

Clutch	Dry single plate, with diaphragm spring
Number of Gears	4
Gear Selection	Dog type gearbox (ratchet foot lever)
Gearbox Ratios	3.896 / 2.578 / 1.875 / 1.50 : 1
Rear Wheel Ratio	1: 3.56
Bevel/Crownwheel	9 / 32 teeth

Electrical System

Ignition System	Battery ignition
Alternator	Bosch 12 V/180 W
Starter	Bosch 0.5 hp (optional at additional charge)
Spark Plugs	Bosch W 230 T 30 / Beru 230/14/3 A / Champion N7Y

Chassis

Type of Frame	Double loop tubular frame with bolt on rear
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Front wheel suspension	section Telescopic fork with hydraulic shock absorber
Rear wheel suspension	Long swinging arm with strut
Spring Travel Front/Rear	208 / 125 mm
Wheel Rims, Front	1.85 B 19
Wheel Rims, Rear	1.85 B 18 or 2.15 B 18
Tyres, Front	3.25 S 19
Tyres, Rear	4.00 S 18
Brakes, Front	Duplex drum brake 200 mm / 7.87 in diameter
Brakes, Rear	Simplex drum brake 200 mm / 7.87 in diameter
Dimensions/Weights	
Length x Width x Height	2100 / (from 1973: 2150) x 850 x 1040 mm (82.67/84.64 x 33.46 x 40.94 in)
Wheel Base	1385 mm / 54.52 in (from 1973: 1435 mm / 56.49 in)
Fuel Tank Capacity	24 litres / 5.27 gal / 6.34 gal US (from 1971: 17 litres / 3.73 gal / 4.49 gal US)
Unladen Weight with Full Tank	205 Kg / 451 lb (from 1971: 200 Kg / 440 lb)
Max. Permissible Weight	398 Kg / 876 lb
Ground Clearance	165 mm / 6.49 in
Seat Height (Unladen)	850 mm (33.5 inches)
Fuel Consumption	4.6 litres 100 Km (at constant 90 Kph) / 61 mpg / 51 mpg US
Top Speed	157 Kph / 97 mph
Acceleration 0 - 100 Kph / 62 mph	10.2 seconds