

Phil Hawksley's BM Bikes

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BMW R75/5 Specifications

Start of Production 1969
End of Production 1973
Numbers Produced 38,370
Price 4,996 DM



Engine

Motor Type Four-stroke two cylinder horizontally opposed "Boxer" engine, air cooled
Bore x Stroke 82 x 70.6 mm (3.22 x 2.77 in)
Displacement 745 cc
Max Power 50 hp (36.8 KW) at 6,200 rpm
Max Torque 60 Nm / 44 ft lb at 5,000 rpm
Compression Ratio 9.0 : 1
Valves Per Cylinder 2
Valve Control OHV, using push rod and rocker arm
Carburation System 2 constant depression carburetors, Bing 64/32/4-3 or 64/32/9-10
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 : 3.2
Bevel/Crownwheel 10 / 32 teeth

Electrical System

Ignition System Battery ignition
Alternator Bosch 12 V/180 W
Starter Bosch 0.5 hp
Spark Plugs Bosch W 200 T 30 / Beru 200/14/3 A / Champion N7Y

Chassis

Type of Frame Double loop tubular frame with bolt on rear section

Front wheel suspension	Telescopic fork with hydraulic shock absorber
Rear wheel suspension	Long swinging arm with strut
Spring Travel Front/Rear	208 / 125 mm (8.18 x 4.92 in)
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 852 x 1040 mm (82.67 (84.64) x 33.54 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	210 Kg / 462 lb (from 1971: 205 Kg / 451 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	4.5 litres 100Km (at constant 90 Kph) / 62 mpg / 52 mpg US
Top Speed	175 Kph / 108 mph
Acceleration 0 - 100 Kph / 62 mph	6.4 seconds