

Phil Hawksley's BM Bikes

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BMW R75/6 Specifications

Start of Production	1973
End of Production	1976
Numbers Produced	17,587
Price	7,110 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 64/32/9-10 or 64/32/13-14
Engine Lubricating System	Wet sump

Power Transmission

Clutch	Dry single plate, with diaphragm spring
Number of Gears	5
Gear Selection	Dog type gearbox (ratchet foot lever)
Gearbox Ratios	4.4 / 2.86 / 2.07 / 1.67 / 1.50 : 1
Rear Wheel Ratio	1 : 3.2 or 1 : 3.36
Bevel/Crownwheel	10 / 32 or 11 / 37teeth

Electrical System

Ignition System	Battery ignition
Alternator	Bosch 12 V/280 W
Starter	Bosch 0.5 hp
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 section
Front wheel suspension	Telescopic fork with hydraulic shock

Rear wheel suspension	absorber
Spring Travel Front/Rear	Long swinging arm with adjustable strut 208 / 125 mm (8.18 x 4.92 in)
Wheel Rims, Front	1.85 B 19
Wheel Rims, Rear	2.15 B 18
Tyres, Front	3.25 S 19
Tyres, Rear	4.00 S 18
Brakes, Front	Single disc brake 200 mm / 7.87 in diameter. ATE 1 piston caliper
Brakes, Rear	Simplex drum brake 200 mm / 7.87 in diameter

Dimensions/Weights

Length x Width x Height	2180 x 740 x 1080 mm (85.82 x 29.13 x 42.51 in)
Wheel Base	1465 mm / 57.67 in
Fuel Tank Capacity	18 litres / 3.95 gal / 4.75 gal US (optional 22 litre / 4.83 gal / 5.81 gal US tank at extra cost)
Unladen Weight with Full Tank	210 Kg / 462 lb
Ground Clearance	165 mm / 6.49 in
Max. Permissible Weight	398 Kg / 876 lb
Seat Height (Unladen)	810 mm (31.9 inches)
Fuel Consumption	4.5 litres 100 Km (at constant 90 Kph) / 62 mpg / 52 mpg US
Top Speed	177 Kph / 110 mph
Acceleration 0 - 100 Kph / 62 mph	6.7 seconds