

Phil Hawksley's BM Bikes

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BMW R50US Specifications

Start of Production	1967
End of Production	1969
Numbers Produced	19,036 (contained in figures for R60/2)
Price	US \$1,224



Engine

Internal Designation	252/3
Motor Type	Four-stroke two cylinder flat twin
Bore x Stroke	68 x 68 mm (2.67 x 2.67 in)
Displacement	494 cc
Max Power	26 hp at 5,800 rpm
Compression Ratio	7.5 : 1
Valves	OHV
Carburation System	2 x carburettor, Type Bing 1/24/149 - 1/24/150
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

Power Transmission

Clutch	Single plate, saucer spring, dry
Number of Gears	4
Shifting	Foot shifting
Gearbox Ratios	4.17 / 2.73 / 1.94 / 1.54
Rear Wheel Ratio	1: 3.375
Bevel/Crownwheel	8 / 27 teeth

Electrical System

Ignition System	Magneto ignition
Generator	Bosch LJ/CGE 60/6/1700 R
Spark Plugs	Bosch W 240 T1

Chassis

Designation	245/3
Frame	Double loop steel tubular frame
Front wheel suspension	Telescopic fork
Rear wheel suspension	Long swing arm with suspension units and oil pressure shock absorbers
Wheel rims	Deep bed 2.15B x 18

Tyres, Front	3.5 x 18
Tyres, Rear	4 x 18
Brakes, Front	Drum brake 200 mm / 7.87 in diameter duplex full hub
Brakes, Rear	Drum brake 200 mm / 7.87 in diameter simplex full hub

Dimensions/Weights

Length x Width x Height	2137 x 660 x 980 mm (84.13 x 25.98 x 38.58 in)
Wheel Base	1427 mm / 56.18 in
Fuel Tank Capacity	17 litres / 3.73 gal / 4.49 gal US
Unladen Weight with Full Tank	195 Kg / 429 lb
Idle/Riding Noise	72 dB(A), 84 dB(A)
Load Rating	360 Kg / 792 lb
Fuel Consumption	5.1 litres 100 Km approx 100 Km / 55 mpg / 46 mpg US
Oil Consumption	0.5 - 1 litres per 1,000 Km approx.
Top Speed	140 Kph / 87 mph