

Phil Hawksley's BM Bikes

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BMW R39 Specifications

Start of Production	1925
End of Production	1927
Numbers Produced	855
Price	1,870 RM



Engine

Internal Designation	M 40
Motor Type	Four-stroke single cylinder vertical
Bore x Stroke	68 x 68 mm (2.67 x 2.67 in)
Displacement	247 cc
Max Power	6.5 hp at 4,000 rpm
Compression Ratio	6.0 : 1
Valves	OHV
Carburation System	1 carburettor Type BMW Spezial 20 mm
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

Power Transmission

Clutch	Single plate, dry
Number of Gears	3
Shifting	Manual
Gearbox Ratios	6 / 9.28 / 13.7
Rear Wheel Ratio	1 : 2.84
Bevel/Crownwheel	14 / 37 teeth

Electrical System

Ignition System	Bosch magneto generator type G 1.8V/15W
Generator	Bosch magneto ignition
Spark Plugs	Bosch W 175

Chassis

Designation	R39
Frame	Twin loop tubular frame
Front wheel suspension	Plate spring, 4 laminae
Rear wheel suspension	Rigid
Wheel rims	27 x 3.5 type CC 1

Tyres, Front	27 x 3.5 balloon or with 26 x 3 high pressure tyres
Tyres, Rear	27 x 3.5 balloon or with 26 x 3 high pressure tyres
Brakes, Front	Internal shoe drum brake 150 mm / 5.90 in diameter
Brakes, Rear	External shoe brake at the gearing on Cardan shaft

Dimensions/Weights

Length x Width x Height	2050 x 800 x 950 mm (80.70 x 31.49 x 37.40 in)
Fuel Tank Capacity	10 litres / 2.19 gal / 2.64 gal US
Unladen Weight with Full Tank	110 Kg / 242 lb
Fuel Consumption	Approx. 2.5 litres per 100 Km / 113 mpg / 94 mpg US
Oil Consumption	Approx. 1 - 2 litres per 1,000 Km
Top Speed	100 Kph / 62 mph