

Phil Hawksley's BM Bikes

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BMW R37 Specifications

Start of Production	1925
End of Production	1926
Numbers Produced	152
Price	2,900 RM



Engine

Internal Designation	M 2 B 36
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	16 hp at 4,000 rpm
Compression Ratio	6.2 : 1
Valves	OHV
Carburation System	1 carburettor Type BMW Spezial three valve 26 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	2.27 / 1.50 / 1.08
Rear Wheel Ratio	1 : 4.41 (1 : 5.36 with sidecar)
Bevel/Crownwheel	17 / 75 teeth (14 / 75 with sidecar)

Electrical System

Ignition System	Bosch magneto Ignition
Generator	Magneto generator on request
Spark Plugs	Bosch W 175

Chassis

Designation	R37
Frame	Twin loop tubular frame
Front wheel suspension	Twin cantilever spring
Rear wheel suspension	Rigid
Wheel rims	26 x 2.5
Tyres, Front	26 x 3

Tyres, Rear	26 x 3
Brakes, Front	Drum brake 150 mm / 5.90 in diameter
Brakes, Rear	Block brake

Dimensions/Weights

Length x Width x Height	2100 x 800 x 950 mm (82.67 x 31.49 x 37.40 in)
Wheel Base	1380 mm / 54.33 in
Fuel Tank Capacity	14 litres / 3.07 gal / 3.69 gal US
Unladen Weight with Full Tank	134 Kg / 295 lb (with original sidecar) 184 Kg / 405 lb)
Fuel Consumption	Approx. 4 litres per 100 Km / 70 mpg / 58 mpg US
Oil Consumption	Approx. 3 litres per 1,000 Km
Top Speed	115 Kph / 71 mph