

Phil Hawksley's BM Bikes

www.bmbikes.co.uk

BMW R35 Specifications

Start of Production	1937
End of Production	1940
Numbers Produced	15,386
Price	995 RM



Engine

Internal Designation	M 69 and 235
Motor Type	Four-stroke two cylinder flat twin
Bore x Stroke	72 x 84 mm (2.83 x 3.30 in)
Displacement	342 cc
Max Power	14 hp at 3,500 rpm
Compression Ratio	6.0 : 1
Valves	OHV
Carburation System	1 carburettor, SUM type C K 9/22
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

Power Transmission

Clutch	Single plate, dry
Number of Gears	4
Shifting	Manual
Gearbox Ratios	3.4 / 2.18 / 1.35 / 1
Rear Wheel Ratio	1 : 5.63
Bevel/Crownwheel	8 / 45 teeth

Electrical System

Ignition System	Battery ignition
Generator	Bosch RD 47/70 2800
Spark Plugs	Bosch W 175 T1 or Beru K 175

Chassis

Designation	235
Frame	Pressed steel twin loop frame
Front wheel suspension	Telescopic fork
Rear wheel suspension	Rigid
Wheel rims	3 x 19
Tyres, Front	3.5 x 19
Tyres, Rear	3.5 x 19

Brakes, Front
Brakes, Rear

Drum brake 180 mm / 7.08 in diameter
Drum brake 180 mm / 7.08 in diameter

Dimensions/Weights

Length x Width x Height

2000 x 800 x 950 mm (78.74 x 31.49 x 37.40 in)

Wheel Base

1400 mm / 55.11 in

Fuel Tank Capacity

12 litres / 2.63 gal / 3.17 gal US

Unladen Weight with Full Tank

155 Kg / 341 lb

Permitted Weight Limit

200 Kg / 440 lb

Clearance

114 mm / 4.48 in

Fuel Consumption

3 litres 100 Km approx. / 94 mpg / 78 mpg US

Oil Consumption

1 - 2 litres per 1,000 Km approx.

Top Speed

100 Kph / 62 mph