

# Phil Hawksley's BM Bikes

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## BMW R2 Series 3 Specifications

<b>Start of Production</b>	<b>1934</b>
<b>End of Production</b>	<b>1934</b>
<b>Number Produced:</b>	<b>2,077</b>
<b>Price:</b>	<b>850 RM</b>



### Engine

Internal Designation	M 67 S 111
Motor Type	Four Stroke single cylinder vertical
Bore x Stroke	63 x 64 mm (2.48 x 2.51 in)
Displacement	198 cc
Maximum Power	8hp at 4,500 rpm
Compression Ratio	6.7 : 1
Valves	OHV
Carburation System	1 x Amal push in carburettor 18.2 mm
Engine Lubricating System	Forced Feed Lubrication
Oil Pump	Gear Pump

### Power Transmission

Clutch	Single plate dry clutch
Number of Gears	3
Gear Shift	Manual
Gearbox Ratios	2.89 / 1.7 / 1.00
Rear Wheel Ratio	1 : 6.75
Bevel / Crownwheel	8 / 54 teeth

### Electrical System

Ignition System	Battery ignition
Generator	Bosch 6V/30W encased
Spark Plugs	Bosch W 175 or Bosch 200 G 24

### Chassis

Designation	F 67 S 111
Frame	Pressed steel duplex frame
Front Suspension	Cantilever spring, 9 laminae with friction shock absorber
Rear Suspension	Rigid

Wheel Rims	25 x 3
Front Tyre	25 x 3
Rear Tyre	25 x 3
Front Brakes	Drum brake 180 mm / 7.08 in diameter
Rear Brake	Drum brake 180 mm / 7.08 in diameter

### **Dimensions/Weights**

Length x Width x Height	1950 x 850 x 950 mm (76.77 x 33.46 x 37.40 in)
Wheel Base	1303 mm / 51.29 in
Fuel Tank Capacity	11 litres / 2.41 gal / 2.90 gal US
Unladen Weight with full tank	130 kg / 286 lb
Permitted Weight Limit	160 kg / 352 lb
Fuel Consumption	2.75 litres per 100 kilometres approx / 102 mpg / 85 mpg US
Oil Consumption	1 - 2 litres per 1,000 kilometres
Top Speed	95 kph / 59 mph