

# Phil Hawksley's BM Bikes

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## BMW R11 Series 1 Specifications

<b>Start of Production</b>	<b>1929</b>
<b>End of Production</b>	<b>1930</b>
<b>Number Produced:</b>	<b>7,500 (All Series)</b>
<b>Price:</b>	<b>1,750 RM</b>



### Engine

Internal Designation	M 56
Motor Type	Four Stroke two cylinder flat twin
Bore x Stroke	78 x 78 mm (3.07 x 3.07 in)
Displacement	745 cc
Maximum Power	18hp at 3,400 rpm
Compression Ratio	5.5 : 1
Valves	Side Valve
Carburation System	Single carburettor type BMW 24 mm
Engine Lubricating System	Forced Feed Lubrication
Oil Pump	Gear Pump

### Power Transmission

Clutch	Single plate dry clutch
Number of Gears	Three
Gear Shift	Manual
Gearbox Ratios	2.83 / 1.55 / 1.08
Rear Wheel Ratio	1 : 4.07 (1 : 5.18 or 1 : 4.75 with sidecar)
Bevel / Crownwheel	14 / 57 (11 / 57 or 12 / 57 with sidecar)

### Electrical System

Ignition System	Magneto
Generator	Bosch Magneto generator D2L or Magneto Ignition FF2
Spark Plugs	Bosch W 175 T1

### Chassis

Designation	F66
Frame	Twin loop pressed steel frame
Front Suspension	Plate spring 9 laminae
Rear Suspension	Rigid
Wheel Rims	26 x 3.5 safety rims

Front Tyre	26 x 3.5 low pressure or 26 x 3.25 high pressure
Rear Tyre	26 x 3.5 low pressure or 26 x 3.25 high pressure
Front Brakes	Drum brake 200 mm / 7.87 in diameter
Rear Brake	Cardan brake, 37 mm / 1.45 in width

### **Dimensions/Weights**

Length x Width x Height	2100 x 890 x 940 mm (7.87 x 35.03 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	162 kg / 356 lb
Load Rating	210 kg / 462 lb
Fuel Consumption per 100 kilometres	4 to 4.5 litres approx / 70 - 62 mpg / 58 - 52 mpg US
Oil Consumption	1 to 2 litres per 1,000 kilometres
Top Speed	95 - 100 kph / 59 - 62 mph