

# Phil Hawksley's BM Bikes

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## BMW R11 Series 5 Specifications

<b>Start of Production</b>	<b>1934</b>
<b>End of Production</b>	<b>1934</b>
<b>Number Produced:</b>	<b>7,500 (All Series)</b>
<b>Price:</b>	<b>1.630 RM</b>



### Engine

Internal Designation	M 56 S 5
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	20 hp at 4,000 rpm
Compression Ratio	5.5 : 1
Valves	Side Valve
Carburation System	1 x carburettor type Amal 6/406 SP and 6/407 SP
Engine Lubricating System	Forced Feed Lubrication
Oil Pump	Gear Pump

### Power Transmission

Clutch	Two plates, dry clutch
Number of Gears	3
Gear Shift	Manual/tank shifting gate
Gearbox Ratios	2.83 / 1.55 / 1.08
Rear Wheel Ratio	1 : 4.07 (1 : 4.75 with sidecar)
Bevel / Crownwheel	14 / 57 (12 / 57 with sidecar)

### Electrical System

Ignition System	Battery ignition optionally magneto ignition
Generator	Bosch B 245 RS or magneto generator
Spark Plugs	D 2 BRS 167 Bosch W 175 T1

### Chassis

Designation	F 66 S 5
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, 55 mm / 2.16 in width

### **Dimensions/Weights**

Length x Width x Height	2100 x 890 x 940 mm (82.67 x 35.03 x 37 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 1,000 kilometres	4.5 litres approx / 62 mpg / 52 mpg US
Oil Consumption	1 - 2 litres per 100 kilometres
Top Speed	112 kph / 69 mph