

Phil Hawksley's BM Bikes

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BMW R11 Series 1 Specifications

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



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