

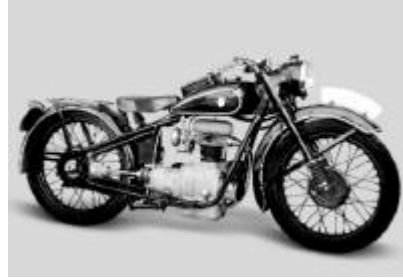
Phil Hawksley's BM Bikes

www.bmbikes.co.uk

BMW R20 Specifications

BMW R20

Start of Production	1937
End of Production	1938
Numbers Produced	5,000
Price	725 RM



Engine

Internal Designation	220/1
Motor Type	Four-stroke single cylinder vertical
Bore x Stroke	68 x 68 mm (2.67 x 2.67 in)
Displacement	192 cc
Max Power	8 hp at 5,400 rpm
Compression Ratio	6.0 : 1
Valves	OHV
Carburation System	1 x Amal push in carburettor M 74/428
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

Power Transmission

Clutch	Single plate, dry
Number of Gears	3
Shifting	Foot switching
Gearbox Ratios	4.55 / 2.58 / 1.64
Rear Wheel Ratio	1 : 4.18
Bevel/Crownwheel	11 / 46 teeth

Electrical System

Ignition System	Battery ignition
Generator	Bosch 6V/50W
Spark Plugs	Bosch W175 T1 or Beru K175

Chassis

Designation	220/1
Frame	Twin loop frame, bolted
Front wheel suspension	Telescopic fork
Rear wheel suspension	Rigid
Wheel rims	2.5 x 19 deep bed
Tyres, Front	3 x 19
Tyres, Rear	3 x 19

Brakes, Front
Brakes, Rear

Drum brake 160 mm / 6.29 in diameter
Drum brake 180 mm / 7.08 in diameter

Dimensions/Weights

Length x Width x Height

2000 x 800 x 920 mm (78.74 x 31.49 x 36.22 in)

Wheel Base

1330 mm / 52.36 in

Fuel Tank Capacity

12 litres / 2.63 gal / 3.17 gal US

Unladen Weight with Full Tank

130 Kg / 286 lb

Load Rating

200 Kg / 440 lb

Fuel Consumption

Approx. 2.75 litres per 100 Km / 102 mpg / 85 mpg US

Oil Consumption

Approx. 1 - 2 litres per 1,000 Km

Top Speed

95 Kph / 59 mph