

Phil Hawksley's BM Bikes

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BMW R24 Specifications

Start of Production	1948
End of Production	1950
Numbers Produced	12,020
Price	1,750 DM



Engine

Internal Designation	224/1
Motor Type	Four-stroke single cylinder vertical
Bore x Stroke	68 x 68 mm (2.67 x 2.67 in)
Displacement	247 cc
Max Power	12 hp at 5,600 rpm
Compression Ratio	6.75 : 1
Valves	OHV
Carburation System	1 x Bing type AJ 1/22/140 b
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

Power Transmission

Clutch	Single plate, dry
Number of Gears	4
Shifting	Foot switching (+ auxiliary manual switch on gearing block)
Gearbox Ratios	6.1 / 3.0 / 2.04 / 1.54
Rear Wheel Ratio	1 : 4.18 or 1 : 4.25
Bevel/Crownwheel	11 / 46 or 8 / 34 teeth

Electrical System

Ignition System	Battery ignition
Generator	Bosch 6V/45W
Spark Plugs	Bosch W 240 T1 or Bosch W 225 T1

Chassis

Designation	224/1
Frame	Closed steel 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	Drum brake 160 mm / 6.29 in diameter
Brakes, Rear	Drum brake 160 mm / 6.29 in diameter

Dimensions/Weights

Length x Width x Height	2020 x 750 x 710 mm (saddle) (79.52 x 29.52 x 27.95)
Fuel Tank Capacity	12 litres / 2.63 gal / 3.17 gal US
Unladen Weight with Full Tank	130 Kg / 286 lb
Load Rating	290 Kg / 638 lb
Fuel Consumption	Approx. 3.5 litres per 100 Km / 80 mpg / 67 mpg US
Oil Consumption	Approx. 1 litres per 1,000 Km
Top Speed	95 Kph / 59 mph