

Phil Hawksley's BM Bikes

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BMW R25/2 Specifications

Start of Production	1951
End of Production	1953
Numbers Produced	38,651
Price	1,990 DM



Engine

Internal Designation	224/3
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 5,800 rpm
Compression Ratio	6.5 : 1
Valves	OHV
Carburation System	1 x Bing type 1/22/44 or SAWE type K 22 F
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	4.5 :1 (with sidecar 5.14 :1)
Bevel/Crownwheel	6 / 27 teeth (with sidecar 7 / 36)

Electrical System

Ignition System	Battery ignition
Generator	Noris ZLZ 45/60; 6V/max. 60 W
Spark Plugs	Bosch W 240 T1

Chassis

Designation	225/2
Frame	Closed steel twin loop frame, welded
Front wheel suspension	Telescopic fork
Rear wheel suspension	Pushrod suspension
Wheel rims	3 x 19 deep bed

Tyres, Front	3.25 x 19
Tyres, Rear	3.25 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 790 x 730 mm (Saddle) (79.52 x 31.10 x 28.74 in)
Wheel Base	1335 mm / 52.55 in
Fuel Tank Capacity	12 litres / 2.63 gal / 3.17 gal US
Unladen Weight with Full Tank	142 Kg / 312 lb
Permitted Weight Limit	300 Kg / 660 lb (with sidecar 375 Kg / 825lb)
Clearance	108 mm / 4.25 in
Idle/Riding Noise	84/85 phon
Fuel Consumption	Approx. 2.9 litres per 100 Km / 97 mpg / 81 mpg US
Oil Consumption	Approx. 0.7 litres per 1,000 Km
Top Speed	105 Kph / 65 mph (with original sidecar) 80 Kph / 49 mph)