

Phil Hawksley's BM Bikes

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BMW R25/3 Specifications

Start of Production	1953
End of Production	1956
Numbers Produced	47,700
Price	2,060 DM



Engine

Internal Designation	224/4
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	13 hp at 5,800 rpm
Compression Ratio	7.0 : 1
Valves	OHV
Carburation System	1 x Bing type 1/24/41 or SAWE type K 24 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	4.16 : 1 (with sidecar 4.8 : 1)
Bevel/Crownwheel	6 / 25 teeth (with sidecar 5 / 24)

Electrical System

Ignition System	Battery ignition
Generator	Noris ZLZ 60/6/1600 L
Spark Plugs	Bosch W 240 T1

Chassis

Designation	225/3
Frame	Closed steel twin loop frame, welded
Front wheel suspension	Telescopic fork
Rear wheel suspension	Telescopic suspension
Wheel rims	3 x 18 deep bed

Tyres, Front	3.25 x 18
Tyres, Rear	3.25 x 18
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	2065 x 760 x 730 mm (81.29 x 29.92 x 28.74 in)
Wheel Base	1365 mm / 53.74 in
Fuel Tank Capacity	12 litres / 2.63 gal / 3.17 gal US
Unladen Weight with Full Tank	150 Kg / 330 lb
Permitted Weight Limit	320 Kg / 704 lb (with original sidecar 450Kg / 991 lb)
Clearance	92 mm / 3.62 in
Idle/Riding Noise	82/84 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	119 Kph / 73 mph (with original sidecar 88 Kph / 54 mph)