

BMW R 51

BMW Group
Mobile Tradition



The Ultimate
Riding Machine

Engine	Begin of the Production	1938	
	End of the Production	1940	
	Internal Designation	254/1	
	Motor Type	four-stroke two-cylinder flat-twin	
	Bore	68 mm	
	Stroke	68 mm	
	Displacement	494 ccm	
	Max Power	24 hp	
	Rpm (Max Power)	5600 rpm	
	Compression Ratio	6.7:1	
	Valves	ohv	
	Carburetion System	2 x carburettor type Amal 5/423	
	Engine Lubricating System	forced-feed lubrication	
Power transmission	Oil Pump	gear pump	
	Clutch	single-plate, dry	
	Number of Gears	4	
	Shifting	foot shifting (+ auxiliary manual lever on the gear block), manual gear lever on request	
	Gearbox Ratios	3.6/2.28/1.7/1.3	
	Rear Wheel Ratio	1:3.89 (sidecar 1:4.62)	
	Bevel/Crownwheel	9/35 teeth (sidecar 8/37)	
Electrical system	Generator	Bosch RD 50/6 2800 RS 15	
	Ignition System	battery ignition	
	Spark Plugs	Bosch W 225 T1	
Chassis	Designation	251/1	
	Frame	twin-loop pressed steel frame	
	Front Wheel Suspension	telescopic fork	
	Rear Wheel Suspension	telescopic suspension	
	Wheel Rims	deep-bed 3 x 19	
	Tyres front	3.5 x 19	
	Tyres rear	3.5 x 19	
	Brakes front	drum brakes Ø 200 mm	
	Brakes rear	drum brakes Ø 200 mm	
	Dimensions and weights	Length	2130 mm
		Width	815 mm
		Height	960 mm
		Wheel Base	1400 mm
		Fuel Tank Capacity	14 l
		Unladen Weight, Full Tank	182 kg
Load Rating		210 kg (max. overall weight with sidecar 500 kg)	
Fuel Consumption		approx. 4 l/100 km	
Oil Consumption		approx. 1 l/1000 km	
Top Speed		140 kph (with original sidecar 110 kph)	
Numbers Produced		3.775	
Price		1.595,- RM	