

BMW R 42

BMW Group
Mobile Tradition



The Ultimate
Riding Machine

Engine	Begin of the Production	1926
	End of the Production	1928
	Internal Designation	M 43
	Motor Type	four-stroke two-cylinder flat-twin
	Bore	68 mm
	Stroke	68 mm
	Displacement	494 ccm
	Max Power	12 hp
	Rpm (Max Power)	3400 rpm
	Compression Ratio	4.9:1
	Valves	sv
	Carburetion System	1 x carburettor, BMW Spezial two-valve 22 mm
	Engine Lubricating System	forced-feed lubrication
Power transmission	Oil Pump	gear pump
	Clutch	single-plate, dry
	Number of Gears	3
	Shifting	manual
	Gearbox Ratios	2.49/1.50/1.08
	Rear Wheel Ratio	1:4.53 or 1:3.8 (sidecar 1:6.27 or 1:5.7)
	Bevel/Crownwheel	15/68 or 15/57 teeth (sidecar 11/69 or 10/57)
Electrical system	Generator	magneto generator on request
	Ignition System	Bosch magneto ignition
	Spark Plugs	Bosch W 175
Chassis	Designation	R 42
	Frame	twin-loop steel tubular frame
	Front Wheel Suspension	plate spring, 5 laminae
	Rear Wheel Suspension	rigid
	Wheel Rims	deep-bed 19 x 3 or 21 x 2.5
	Tyres front	26 x 3.5 on 19 x 3 or 27 x 2.75 on 21 x 2.5
	Tyres rear	26 x 3.5 on 19 x 3 or 27 x 2.75 on 21 x 2.5
	Brakes front	drum brake Ø 150 mm
	Brakes rear	external shoe brake at gearing (on cardan shaft)
	Dimensions and weights	Length
Width		800 mm
Height		950 mm
Wheel Base		1410 mm
Fuel Tank Capacity		14 l
Unladen Weight, Full Tank		126 kg (with original sidecar 188 kg)
Fuel Consumption		approx. 3 l/100 km
Oil Consumption		approx. 1,7 l/1000 km
Top Speed		95 kph
Numbers Produced		6.502
Price		1.510,- RM