



BMW R 75 Sidecar Unit

Engine	Begin of the Production	1941
	End of the Production	1944
	Internal Designation	275/2
	Motor Type	four-stroke two-cylinder flat-twin
	Bore	78 mm
	Stroke	78 mm
	Displacement	745 ccm
	Max Power	26 hp
	Rpm (Max Power)	4000 rpm
	Compression Ratio	5.8:1
	Valves	ohv
	Carburetion System	2 x carburettor type Graetzin Sa 24/1 and Sa 24/2
	Engine Lubricating System	forced-feed lubrication
Power transmission	Oil Pump	gear pump
	Clutch	single-plate, dry
	Number of Gears	road: 4 + 1 reverse gear, off-road: 3 + 1 reverse gear
	Shifting	foot and manual shifting with selector lever off-road + road
	Gearbox Ratios	road: 3.22/1.83/1.21/0.90 reverse gear 2.41, off-road: 4.46/2.54/1.67 reverse gear 3.3
Electrical system	Rear Wheel Ratio	1:6.05 (from production no. 754056 1:5.69)
	Generator	Noris DS 6/50
	Ignition System	magneto ignition
Chassis	Spark Plugs	Bosch W 175 T1
	Designation	275/1
	Frame	multi-part, bolted steel tubular frame
	Front Wheel Suspension	telescopic fork
	Rear Wheel Suspension	rigid, plate springs on the boat, tube springs on sidecar wheel
	Wheel Rims	3D x 16
	Tyres front	4.5 x 16 (off-road block profile)
	Tyres rear	4.5 x 16 (off-road block profile)
	Brakes front	drum brakes Ø 250 mm, mech.
	Brakes rear	drum brakes Ø 250 mm, mech. sidecar: drum brakes Ø 250 mm, hydr.
Dimensions and weights	Length	2400 mm
	Width	1730 mm
	Height	1000 mm (with Sidecar)
	Wheel Base	1444 mm
	Fuel Tank Capacity	24 l
	Unladen Weight, Full Tank	400 kg (with original sidecar 320 kg)
	Load Rating	270 kg
	Fuel Consumption	approx. 6,3 l/100 km (road) bis 8,5 l/100 km (off-road)
	Oil Consumption	approx. 0,5 - 1 l/1000 km
	Top Speed	95 kph
	Numbers Produced	approx. 18.000
	Price	2.630,- RM