

BMW R 65 LS

BMW Group
Mobile Tradition



The Ultimate
Riding Machine

Engine	Begin of Production	1981
	End of Production	1985
	Motor Type	four-stroke, two-cylinder, horizontally-opposed Boxer engine, air-cooled
	Bore	82 mm
	Stroke	61,5 mm
	Cubic Capacity	649,6 ccm
	Max Power	50 hp (37 KW)
	Rpm (Max Power)	7250 rpm
	Max Torque	52,3 Nm
	Rpm (Max Torque)	6500 rpm
	Compression Ratio	9.2:1
	Valves per Cylinder	2
	Valve Control	ohv, using push rod and rocker arm
Power transmission	Carburation System	2 constant depression carburetors, Bing 64/32/307-64/32/308
	Engine Lubrication	wet sump
	Clutch	dry single plate, with diaphragm spring
	Number of Gears	5
	Gear Selection	dog-type gearbox (ratchet foot lever)
	Gear Ratios	4.4/2.86/2.07/1.67/1.50:1
	Rear Wheel Ratio	1:3.44
Electrical system	Bevel/Crownwheel	9/31 teeth
	Ignition	battery ignition
	Alternator	Bosch 280 W
	Starter	Bosch 0.7 kW
Chassis	Spark Plugs	Bosch W 5 D/Beru 14-5D/Champion N 6 Y
	Type of Frame	double-loop tubular frame with bolt-on rear section
	Front Suspension	telescopic fork with hydraulic shock absorber
	Rear Suspension	long swinging arm with adjustable strut
	Spring Travel front/rear	175 / 110 mm
	Rims front	1.85 B 18
	Rims rear	2.50 B 18
	Tyres front	3.25 S 18
	Tyres rear	4.00 S 18
	Brakes front	single disc brake 260 mm dia
Dimensions and weights	Brakes rear	simplex drum brake 200 mm dia
	Length	2110 mm
	Width	688 mm
	Height	1080 mm
	Wheel Base	1400 mm
	Ground Clearance	130 mm
	Tank Capacity	22 l
	Unladen Weight, full Tank	207 kg
	Max permissible Weight	398 kg
	Fuel Consumption	4,6 l/100 km (at constant 90 kph)
	Acceleration 0-100 kph	5,8 sec
	Top Speed	175 kph
	Number Sold	6.389
	Price	8.955,- DM