

# BMW R 80

BMW Group  
Mobile Tradition



The Ultimate  
Riding Machine

<b>Engine</b>	Begin of Production	1981
	End of Production	1995
	Motor Type	four-stroke, two-cylinder, horizontally-opposed Boxer engine, air-cooled
	Bore	84,8 mm
	Stroke	70,6 mm
	Cubic Capacity	797,5 ccm
	Max Power	50 hp (37 KW)
	Rpm (Max Power)	6500 rpm
	Max Torque	58 Nm
	Rpm (Max Torque)	4000 rpm
	Compression Ratio	8.2:1
	Valves per Cylinder	2
	Valve Control	ohv, using push rod and rocker arm
<b>Power transmission</b>	Carburation System	2 constant depression carburetors, Bing V 64/32/353-64/32/354
	Engine Lubrication	wet sump
	Clutch	dry single plate, with lever-action 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	1:3.20
<b>Electrical system</b>	Bevel/Crownwheel	10/32 teeth
	Ignition	Contact-free electronic ignition (Bosch)
	Alternator	Bosch 280 W
	Starter	Bosch 0.7 kW
<b>Chassis</b>	Spark Plugs	Bosch W 7 DC/Beru 14-7 DU/Champion N 9 YC
	Type of Frame	double-loop tubular frame with bolt-on rear section
	Front Suspension	telescopic fork with hydraulic shock absorber
	Rear Suspension	BMW Monolever swinging arm
	Spring Travel front/rear	175 / 121 mm
	Rims front	MTH 2.50 x 18 E
	Rims rear	MTH 2.50 x 18 E
	Tyres front	90/90 18 51 H
	Tyres rear	120/90 18 65 H
	Brakes front	single disc brake 285 mm dia
<b>Dimensions and weights</b>	Brakes rear	simplex drum brake 200 mm dia
	Length	2175 mm
	Width	800 mm
	Height	1106 mm
	Wheel Base	1447 mm
	Ground Clearance	140 mm
	Tank Capacity	22 l
	Unladen Weight, full Tank	210 kg
	Max permissible Weight	440 kg
	Fuel Consumption	4,6 l/100 km (at constant 90 kph)
	Acceleration 0-100 kph	6 sec
	Top Speed	178 kph
	Number Sold	13.815
	Price	10.440,- DM