

BMW R 80 RT

BMW Group
Mobile Tradition



The Ultimate
Riding Machine

Engine	Begin of Production	1982
	End of Production	1984
	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	59 Nm
	Rpm (Max Torque)	3500 rpm
	Compression Ratio	8.2:1
	Valves per Cylinder	2
	Valve Control	ohv, using push rod and rocker arm
	Carburation System	2 constant depression carburetors, Bing V 64/32/305-64/32/306
Power transmission	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	1:3.36
Electrical system	Bevel/Crownwheel	11/37 teeth
	Ignition	Contact-free electronic ignition (Bosch)
	Alternator	Bosch 280 W
	Starter	Bosch 0.7 kW
Chassis	Spark Plugs	Bosch W 7 D/Beru 14-7D/Champion N 10 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	200 / 125 mm
	Rims front	2.15 B 19
	Rims rear	2.50 B 18
	Tyres front	3.25 H 19
	Tyres rear	4.00 H 18
	Brakes front	single disc brake 260 mm dia
Dimensions and weights	Brakes rear	simplex drum brake 200 mm dia
	Length	2210 mm
	Width	746 mm
	Height	1465 mm
	Wheel Base	1465 mm
	Ground Clearance	130 mm
	Tank Capacity	24 l
	Unladen Weight, full Tank	235 kg
	Max permissible Weight	440 kg
	Fuel Consumption	5,5 l/100 km (at constant 90 kph)
	Acceleration 0-100 kph	7,1 sec
	Top Speed	161 kph
	Number Sold	7.315
	Price	10.990,- DM