

BMW K 100 RT



Date 1984-1989
Number sold 22.335
Price 15.600,- DM

Engine

| | |
|---------------------|---|
| Type | four-stroke, horizontal four-cylinder in-line engine, liquid-cooled |
| Bore/stroke | 67 x 70 mm |
| Cubic capacity | 987 cm ³ |
| Max power | 90 PS (66 kW) at 8000 rpm |
| Max torque | 86 Nm at 6000 rpm |
| Compression ratio | 10,2 : 1 |
| Valves per cylinder | 2 |
| Valve control | DOHC, using drive chain and cup tappets |
| Carburation system | electronic injection, Bosch LE-Jetronic |
| Engine lubrication | wet sump |

Power transmission

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|-------------------|---------------------------------------|
| Clutch | dry single plate |
| Number of gears | 5 |
| Gear selection | dog-type gearbox (ratchet foot lever) |
| Gear ratios | 4,50 / 2,96 / 2,30 / 1,88 / 1,61 :1 |
| Rear wheel ratio | 1 : 2,91 |
| Bevel/crown wheel | 11 : 32 teeth |

Electrical system

| | |
|-------------|--|
| Alternator | 12 V 460W |
| Ignition | electronic ignition Bosch LE-Jetronic |
| Starter | 0,7 kW |
| Spark plugs | Bosch XR 5 DC, Beru 12-5 DU, Champion A 85YC |

Suspension

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|------------------|---|
| Type of frame | tubular space frame, engine serving as load-bearing component |
| Front suspension | telescopic fork with hydraulic shock absorber |
| Rear suspension | BMW Monolever - swinging arm |
| Spring travel | 185 / 110 mm |
| Rims front | 2,50 - 18 MT H 2 |
| Rims rear | 2,75 - 17 MT H 2 |
| Tyres front | 100/90-V 18 or 110/80-VR 18 |
| Tyres rear | 130/90-V 17 or 140/80-VR 17 |

| | |
|--------------|----------------------------|
| Brakes front | dual-disc brake Ø 285 mm |
| Brakes rear | single disc brake Ø 285 mm |

Dimensions and weights

| | |
|---------------------------|---------------------------------------|
| Length x width x height | 2220 x 920 x 1155 mm |
| Wheel base | 1516 mm |
| Ground clearance | 175 mm |
| Tank capacity | 22 l |
| Unladen weight, full tank | 253 kg |
| Max permissible weight | 480 kg |
| Fuel consumption | 4,4 l / 100 km (at constant 90 km/h) |
| Acceleration | 0 - 100 km/h 4,1 s |
| Top speed | 215 km/h |
