



Technical Specs BMW R 12 G/S.

| R 12 G/S | | |
|---------------------|---|------------------------------------|
| Engine | | |
| Capacity | cc | 1,170 |
| Bore/stroke | mm | 101 x 73 |
| Output | kW/hp | 80/109 |
| at engine speed | rpm | 7,000 |
| Torque | Nm | 115 |
| at engine speed | rpm | 6,500 |
| Type | Air/oil-cooled, four-stroke, two-cylinder boxer engine with four camshaft-operated valves and two overhead camshafts per cylinder | |
| Compression | | 12 |
| Fuel | | Premium unleaded 95 RON |
| Valves per cylinder | | 4 |
| Ø intake/outlet | mm | 39/33 |
| Ø throttle valve | mm | 50 |
| Engine control | | BMS-O |
| Emission control | Closed-loop three-way catalytic converter, exhaust standard EU-5+ | |
| Electrical system | | |
| Generator | W | 660 |
| Battery | V/Ah | 12/12 maintenance-free |
| Headlight | | LED |
| Rear light | | LED |
| Turn indicators | | LED |
| Starter | W | 1200 |
| Power transmission | | |
| Clutch | | Dry clutch, hydraulically operated |
| Transmission | | Claw-shift 6-speed gearbox |
| Primary ratio | | 1.737 |
| Transmission ratios | | 2.375 |
| | I | |
| | II | 1.696 |
| | III | 1.296 |
| | IV | 1.065 |
| | V | 0.939 |
| | VI | 0.848 |
| Secondary drive | | Universal shaft |
| Secondary ratio | | 2.91 |

R 12 G/S**Chassis**

| | | |
|---------------------------|--|---|
| Frame construction type | Tubular space frame in steel, engine self-supporting | |
| Front wheel suspension | JSD telescopic forks, spring base, rebound and compression damping adjustable Ø 45 mm | |
| Rear wheel suspension | Aluminum Paralever swinging arm, directly linked WAD spring strut, spring base, rebound and compression damping adjustable | |
| Spring travel, front/rear | mm | 210/200 |
| Wheel castor | mm | 120.8 / 121.3 (Enduro Package Pro) |
| Wheelbase | mm | 1,580 / 1,585 (Enduro Package Pro) |
| Steering head angle | ° | 63.1 / 63.2 (Enduro Package Pro) |
| Brakes | front | Twin disc brake with two axially bolted 2-piston floating calipers, Ø 310 mm. |
| | rear | Single disc brake, Ø 265 mm, 2-piston floating caliper |
| ABS | Standard equipment BMW Motorrad ABS Pro (lean angle optimised) | |
| Wheels | Aluminum cross-spoke wheels | |
| | front | 2.15 x 21" |
| | rear | 4.00 x 17" / 4.00 x 18" (Enduro Package Pro) |
| Tires | front | 90/90-21 |
| | rear | 150/70 R 17 / 150/70 R 18 (Enduro Package Pro) |

Dimensions and weights

| | | |
|---------------------------------|----|--------------------------------|
| Total length | mm | 2,200 |
| Overall width incl. hand levers | mm | 830 |
| Seat height | mm | 860 / 875 (Enduro Package Pro) |
| DIN unladen weight, road ready | kg | 229 |
| Permitted total weight | kg | 430 |
| Fuel tank capacity | l | 15.5 |

Performance figures

| | | |
|-------------------------|------------|------|
| Fuel consumption (WMTC) | l/100 km | 5.1 |
| CO2 | g/km | 119 |
| Acceleration | 0-100 km/h | s |
| Top speed | km/h | >200 |