



BMW Motorrad  
Sports



The Ultimate  
Riding Machine

R 1200 S

R 1200 S

Sports. Sports. Sports.

# R 1200 S

BMW Motorrad's sportiest twin-cylinder is aiming for new best times. The new BMW R 1200 S boasts 90 kW (122 bhp) and a maximum torque of 112 Nm at 6,800 rpm. The BMW Motorrad Telelever and BMW Motorrad Paralever, combined with the exclusive Öhlins components, are extremely responsive, allowing optimal contact with the ground and transferring the power unerringly to the asphalt. It is immediately apparent from the dynamic design of the R 1200 S that here is a machine for true sports bike fans. The EVO brake system ensures that deceleration is finely regulated, thanks to the large discs and four-piston brake callipers. The new two-channel ABS can be deactivated for use on the racetrack. Just climb on and go for a sporty ride!



Paintwork: Metallic titanic silver / magma red single tone; Seat: magma red single tone (special option available for additional charge)



Paintwork: Metallic bright yellow  
Seat: black



Paintwork: Night black monotone  
Seat: black



Paintwork: Metallic white aluminium  
Seat: black

## Engine

Type	Air/oil-cooled, four-stroke two-cylinder boxer engine, single camshaft and four vents per cylinder, central balance shaft
Bore x stroke	101 mm x 73 mm
Capacity	1,170 ccm
Output	90 kW (122 bhp) at 8,250 rpm
Max. torque	112 Nm at 6,800 rpm
Compression ratio	12.5:1
Fuel / engine management	Electronic intake manifold injection/ BMS-K digital engine management system with overrun fuel cut-off, dual ignition
Catalytic converter	Regulated 3-way catalytic converter

## Performance / fuel consumption

Maximum speed	Over 200 km/h (124 mph)
Fuel consumption per 100 km (62 mls.)	
at constant 90 km/h (56 mph)	4.3 l
at constant 120 km/h (75 mph)	5.6 l
Fuel type	Super unleaded, octane rating 98 (RON); by automatic knock control but can be operated up to minimum octane rating 95 (RON)

## Electrics

Alternator	600 W generator
Battery	12 V / 14 Ah, maintenance free

## Power transmission

Clutch	Single-disc dry clutch, hydraulically operated
Gearbox	Synchromesh 6-speed gearbox with helical gearing
Secondary drive	Cardan (shaft drive)

## Chassis / brakes

Frame	Three-section composite frame consisting of front, middle and rear section, load-bearing engine
Front suspension	BMW Motorrad Telelever; stanchion diameter 41 mm, central spring strut

Rear suspension	Die-cast aluminium single-sided swinging arm with BMW Motorrad Paralever; WAD spring strut (travel-dependent damping), adjustable spring preload continuously variable, rebound damping adjustable
Travel front / rear	110 mm / 120 mm
Wheel base (in normal position)	1,487 mm
Castor (in normal position)	87 mm
Steering head angle (in normal position)	66°
Wheels	Die-cast aluminium
Rims, front	3.50 x 17
Rims, rear	5.50 x 17 (optional: 6.00 x 17 for wide tyres*)
Tyres, front	120 / 70 ZR 17
Tyres, rear	180 / 55 ZR 17 (optional: 190 / 55 ZR 17 for wide tyres*)
Brakes, front	EVO brake system with dual disc, floating brake discs, 320 mm diameter, four-piston fixed calliper
Brakes, rear	Single disc, diameter 265 mm, two-piston floating calliper
ABS*	BMW Motorrad Integral ABS (part-integral version), can be deactivated

## Dimensions / Weights

Seat height, unladen	830 mm
Unladen, road ready, fully fuelled**	213 kg
Dry weight***	190 kg
Max. permitted weight	410 kg
Max. load with standard equipment	197 kg
Usable tank volume	17 l
Reserve	Approx. 4.0 l
Length	2,151 mm
Height (without mirrors)	1,177 mm
Width (with mirrors)	870 mm

\* Optional extra

\*\* As defined in EU directive 93/93/EEC, filled with all operating fluids, fuelled to at least 90% of usable tank capacity.

\*\*\* Unladen weight without fuel/operating fluids.