

# DATA & EQUIPMENT

## THE BMW R 1250 RS

With its powerful boxer drive with BMW ShiftCam technology, the BMW R1250 RS stands for dynamic sports touring and dominance over every kilometre. Learn everything you need to know about this bike's technical data and extensive equipment options here.



## TECHNICAL DATA

### Engine

<b>Rated output</b>	100 kW (136 hp) at 7,750 rpm
<b>Emission control</b>	Closed-loop 3-way catalytic converter
<b>Type</b>	Two-cylinder, air/liquid-cooled, four-stroke boxer engine with two overhead spur-gear driven camshafts, one counterbalance shaft and BMW ShiftCam variable intake camshaft control
<b>Bore x stroke</b>	102.5 mm x 76 mm
<b>Capacity</b>	1,254 cc
<b>Max. torque</b>	143 Nm at 6,250 rpm
<b>Compression ratio</b>	12.5 : 1
<b>Mixture control</b>	Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire
<b>Exhaust emission standards</b>	EU 5

### Performance / fuel consumption

<b>CO2 emission based on WMTC</b>	110 g/km
<b>Fuel consumption per 100 km based on WMTC</b>	4.75 l
<b>Fuel type</b>	Super unleaded (max. 15% ethanol, E15), 95 ROZ/RON, 90 AKI

### Electrical system

<b>Alternator</b>	Permanent magnet alternator with 508 W (nominal power)
<b>Battery</b>	12 V / 12 Ah, maintenance-free

### Power transmission

<b>Clutch</b>	Multiplate clutch in oil bath, anti-hopping clutch
<b>Gearbox</b>	Claw-shifted 6-speed gearbox with helical gears
<b>Drive</b>	Cardan

### Chassis / brakes

<b>Frame</b>	Steel tube frame with load-bearing engine, steel tube sub-frame
<b>Front wheel location / suspension</b>	Upside-down telescopic fork
<b>Rear wheel location / suspension</b>	Cast aluminum single-sided swingarm with BMW Motorrad Paralever, WAD shock absorber, spring preload continuously adjustable hydraulically by handwheel, rebound damping adjustable by handwheel
<b>Suspension travel, front / rear</b>	140 mm / 140 mm
<b>Wheelbase</b>	1,527 mm
<b>Castor</b>	114.8 mm
<b>Steering head angle</b>	61.7°
<b>Wheels</b>	Aluminium cast wheels
<b>Rim, front</b>	3.50 x 17"
<b>Rim, rear</b>	5.50 x 17"
<b>Tyre, front</b>	120/70 ZR17
<b>Tyre, rear</b>	180/55 ZR17
<b>Brake, front</b>	Twin disc brake, floating brake discs, diameter 320 mm, 4-piston radial brake caliper
<b>Brake, rear</b>	Single disc brake, diameter 276 mm, 2-piston floating caliper
<b>ABS</b>	BMW Motorrad Integral ABS Pro (partial integral, lean angle optimized)

### Dimensions / weights

<b>Seat height at unladen weight</b>	820 mm (seat low: 760 mm; seat sport: 840 mm)
<b>Usable tank volume</b>	18 l
<b>Reserve</b>	approx. 4 l
<b>Length</b>	2,187 mm (over license plate holder)
<b>Width</b>	890 mm (above mirror)
<b>Unladen weight, road ready, fully fuelled</b>	243 kg <sup>1)</sup>
<b>Permitted total weight</b>	460 kg
<b>Payload (with standard equipment)</b>	217 kg