

# DATA & EQUIPMENT

## THE BMW F 900 R

Puristic, undisguised, athletic: even at first glance, it appears that this dynamic roadster never rests. It has a motto, just like you: #NeverStopChallenging. Its direct and precise handling guarantees pure riding enjoyment. Find out all about the technical data and the standard equipment here.



## TECHNICAL DATA

### Engine

<b>Type</b>	water-cooled 4-stroke in-line two-cylinder engine, four valves per cylinder, two overhead camshafts, dry sump lubrication
<b>Bore / stroke</b>	86 mm x 77 mm
<b>Capacity</b>	895 cc
<b>Rated output</b>	77 kW / (105 hp) at 8,500 rpm
<b>Rated output (A2)</b>	70 kW (95 hp) at 8,000 rpm OE output reduction: 35 kW (48 hp) at 6,500 rpm
<b>Max. torque</b>	92 Nm at 6,500 rpm
<b>Max. torque (A2)</b>	88 Nm at 6,750 rpm OE output reduction: 66 Nm at 4,500 rpm
<b>Compression ratio</b>	13.1 : 1
<b>Mixture control</b>	Electronic injection
<b>Emission control</b>	Closed-loop 3-way catalytic converter, emission standard EU-5

### Performance / fuel consumption

<b>Maximum speed</b>	216 km/h
<b>Maximum speed (A2)</b>	201 km/h OE output reduction: 162 km/h
<b>Fuel consumption per 100 km based on WMTC</b>	4.2 l
<b>CO2 emission based on WMTC</b>	99 g/km
<b>Fuel type</b>	Unleaded super, minimum octane number 95 (RON)
<b>Fuel type (A2)</b>	Unleaded regular fuel, minimum octane number 91 (RON)

### Electrical system

<b>Alternator</b>	Permanent magnetic alternator 416 W (nominal power)
<b>Battery</b>	12 V / 12 Ah, maintenance-free

### Power transmission

<b>Clutch</b>	Multiple-disc wet clutch (anti hopping), mechanically operated
<b>Gearbox</b>	Constant mesh 6-speed gearbox integrated in crankcase
<b>Drive</b>	Endless O-ring chain with shock damping in rear wheel hub

### Chassis / brakes

<b>Frame</b>	Bridge-type frame, steel shell construction
<b>Front wheel location / suspension</b>	Upside-down telescopic fork, Ø 43 mm
<b>Rear wheel location / suspension</b>	Cast aluminium dual swing arm, central spring strut, spring pre-load hydraulically adjustable, rebound damping adjustable
<b>Suspension travel, front / rear</b>	135 mm / 142 mm (OE suspension lowering kit: 115 mm / 122 mm)
<b>Wheelbase</b>	1,518 mm
<b>Castor</b>	114.3 mm
<b>Steering head angle</b>	60,5°
<b>Wheels</b>	Cast aluminium wheels
<b>Rim, front</b>	3.50" x 17"
<b>Rim, rear</b>	5.50" x 17"
<b>Tyre, front</b>	120/70 ZR 17
<b>Tyre, rear</b>	180/55 ZR 17
<b>Brake, front</b>	Dual disc brake, floating brake discs, Ø 320 mm, 4-piston radial brake calipers
<b>Brake, rear</b>	Single disc brake, Ø 265 mm, single-piston floating caliper
<b>ABS</b>	BMW Motorrad ABS

### Dimensions / weights

<b>Seat height</b>	815 mm (OE suspension lowering kit: 770 mm, OE low seat: 790 mm, OA high seat: 835 mm, OA comfort seat: 840 mm, OE extra high seat: 865 mm)
<b>Inner leg curve at unladen weight</b>	1,820 mm (OE suspension lowering kit: 1,755 mm, OE low seat: 1,785 mm, OA high seat: 1,860 mm, OA comfort seat: 1,870 mm, OE extra high seat: 1,890 mm)
<b>Usable tank volume</b>	13 l
<b>Reserve</b>	3.5 l
<b>Length</b>	2,140 mm
<b>Height (excl. mirrors)</b>	1,130 mm
<b>Width (excl. mirrors)</b>	815 mm
<b>Unladen weight, road ready, fully fuelled</b>	211 kg <sup>1)</sup>
<b>Permitted total weight</b>	430 kg
<b>Payload (with standard equipment)</b>	219 kg

<sup>1)</sup> According to guideline VO (EU) 168/2013 with all fluids, with standard equipment and fuelled with at least 90% of usable tank volume.