

# DATA & EQUIPMENT

## BMW M 1000 R

You want to get into the fast lane? Its equipment makes that a reality. Weighing just 199 kg, the M R with its high rpm, four-cylinder engine featuring ShiftCam technology and 154 kW (210 hp) leaves everyone chasing it: on country roads and race tracks. Discover the technical data and extensive equipment of the high-performance dynamic roadster.



## TECHNICAL DATA

### Engine

<b>Rated output</b>	154 kW (210 hp) at 13,750 rpm
<b>Type</b>	Water/oil-cooled in-line four-cylinder, four-stroke engine with four titanium valves per cylinder and BMW Shiftcam variable intake camshaft control
<b>Emission control</b>	Closed-loop 3-way catalytic converter
<b>Bore x stroke</b>	999 cc
<b>Capacity</b>	80 mm x 49.7 mm
<b>Max. torque</b>	113 Nm at 11,100 rpm
<b>Compression ratio</b>	13.3 : 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>Maximum speed</b>	280 km/h
<b>Fuel consumption per 100 km based on WMTC</b>	6.4 l
<b>Fuel type</b>	Premium unleaded (max. 5 % ethanol, E5), 93-98 ROZ/RON
<b>CO2 emission based on WMTC</b>	149 g/km

### Electrical system

<b>Alternator</b>	Permanent magnet alternator with 450 W (nominal power)
<b>Battery</b>	12 V / 5 Ah, maintenance-free

### Power transmission

<b>Clutch</b>	Multiplate clutch in oil bath, anti-hopping clutch, with self-reinforcement
<b>Gearbox</b>	Claw-shifted 6-speed gearbox integrated in the transmission housing
<b>Drive</b>	Chain 525 17/47
<b>Traction control</b>	BMW Motorrad DTC

### Chassis / brakes

<b>Frame</b>	Bridge-type frame, cast aluminium, co-supporting engine
<b>Front wheel location / suspension</b>	Upside-down telescopic fork, diameter 45 mm, electronic self-adjusting DDC Dynamic Damping Control, spring preload, rebound and compression stages adjustable
<b>Rear wheel location / suspension</b>	Aluminum twin-sided swingarm, DDC Dynamic Damping Control (central shock absorber), adjustable spring preload, rebound and compression stages electronically adjustable
<b>Suspension travel, front / rear</b>	120 mm / 117 mm
<b>Wheelbase</b>	1,455 mm
<b>Castor</b>	97.6 mm
<b>Steering head angle</b>	65.8°
<b>Wheels</b>	Aluminium forged wheel
<b>Rim, front</b>	3.50 x 17"
<b>Rim, rear</b>	6.00 x 17"
<b>Tyre, front</b>	120/70 ZR17
<b>Tyre, rear</b>	200/55 ZR17
<b>Brake, front</b>	Twin disc brake, diameter 320 mm, 4-piston fixed caliper
<b>Brake, rear</b>	Single disc brake, diameter 220 mm, 1-piston floating caliper
<b>ABS</b>	BMW Motorrad ABS Pro

### Dimensions / weights

<b>Seat height at unladen weight</b>	830 mm
<b>Inner leg curve at unladen weight</b>	1,835 mm
<b>Usable tank volume</b>	16.5 l
<b>Reserve</b>	approx. 4 l
<b>Length</b>	2,085 mm
<b>Height</b>	1,176 mm (above mirror, at DIN unladen weight)
<b>Width</b>	996 mm (above mirror)
<b>Unladen weight, road ready, fully fuelled</b>	199 kg <sup>1)</sup>
<b>Permitted total weight</b>	407 kg
<b>Payload (with standard equipment)</b>	210 kg