

DATA & EQUIPMENT

THE BMW S 1000 XR

The S 1000 XR combines pure athleticism with long-distance performance. Find out all about the technical data and the standard equipment here.



TECHNICAL DATA

Engine

Rated output	125 kW (170 hp) at 11,000 rpm
Type	Oil/water-cooled, four-cylinder, four-stroke, in-line engine with four valves per cylinder
Bore x stroke	80 mm x 49.7 mm
Capacity	999 cc
Max. torque	114 Nm at 9,250 rpm
Compression ratio	12.5 : 1
Mixture control	Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire
Max. RPM	12,000 rpm

Performance / fuel consumption

CO2 emission based on WMTC	144 g/km
Fuel consumption per 100 km based on WMTC	6.2 l
Fuel type	Premium unleaded (max. 5 % ethanol, E5), 98 ROZ/RON, 93 AKI

Electrical system

Alternator	Permanent magnet alternator with 493 W (nominal power)
Battery	12 V / 12 Ah, maintenance-free

Power transmission

Clutch	Multiplate clutch in oil bath, anti-hopping clutch, with self-reinforcement
Gearbox	Claw-shifted 6-speed gearbox integrated in the transmission housing
Drive	Chain 525 17/45
Traction control	BMW Motorrad DTC

Chassis / brakes

Frame	Bridge-type frame, cast aluminium, co-supporting engine
Front wheel location / suspension	Upside-down telescopic fork, diameter 45 mm, electronic self-adjusting rebound/compression damping (Dynamic ESA)
Rear wheel location / suspension	Aluminium double-sided swing-arm, central shock absorber, electronic preload adjuster, electronic self-adjusting rebound/compression damping (Dynamic ESA)
Suspension travel, front / rear	150 mm / 150 mm
Wheelbase	1,541 mm
Castor	118 mm
Steering head angle	64.8°
Wheels	Aluminium cast wheels
Rim, front	3.50 x 17"
Rim, rear	6.00 x 17"
Tyre, front	120/70 ZR17
Tyre, rear	190/55 ZR17
Brake, front	Twin disc brake, diameter 320 mm, 4-piston fixed caliper
Brake, rear	Single disc brake, diameter 265 mm, 2-piston floating caliper
ABS	BMW Motorrad Integral ABS (partial integral)

Dimensions / weights

Inner leg curve at unladen weight	1,905 mm (OE lowering: 1,809 mm)
Usable tank volume	20 l
Reserve	approx. 4 l
Length	2,156 mm (over rear wheel)
Height	1,460 mm (without mirror)
Width	850 mm (without accessories)
Unladen weight, road ready, fully fuelled	227 kg ¹⁾
Permitted total weight	450 kg