

DATA & EQUIPMENT

THE BMW M 1000 XR

Brute force is unleashed over the asphalt and you only want one thing: to never get off. No wonder, because you're sitting on the M XR – the lightest and most powerful production crossover bike in the world. Find out everything that makes this technical masterpiece, with M racing DNA and XR endurance capability, what it is on this page.



TECHNICAL DATA

Engine

Rated output	148 kW (201 hp) at 12,750 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	113 Nm at 11,000 rpm
Compression ratio	13.3 : 1
Mixture control	Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire

Performance / fuel consumption

Maximum speed	Over 275 km/h
Fuel consumption per 100 km based on WMTC	6.5 l
Fuel type	Premium unleaded (max. 5 % ethanol, E5), 98 ROZ/RON, 93 AKI
CO2 emission based on WMTC	152 g/km

Electrical system

Alternator	Permanent magnet alternator with 450 W (nominal power)
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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 17/47

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 twin-sided swingarm, DDC Dynamic Damping Control (central shock absorber), adjustable spring preload, rebound and compression stages electronically adjustable
Suspension travel, front / rear	138 mm / 138 mm
Wheelbase	1,548 mm
Castor	117.4 mm
Steering head angle	64.9°
Wheels	Aluminium forged wheel
Rim, front	3.50 x 17"
Rim, rear	6.00 x 17"
Tyre, front	120/70 ZR17
Tyre, rear	200/55 ZR17
Brake, front	Twin disc brake, diameter 320 mm, 4-piston fixed caliper
Brake, rear	Single disc brake, diameter 220 mm, 1-piston floating caliper
ABS	BMW Motorrad Integral ABS (partial integral, can be switched off)

Dimensions / weights

Seat height at unladen weight	850 mm
Inner leg curve at unladen weight	1,905 mm
Usable tank volume	approx. 20 l
Reserve	approx. 4 l
Length	2,170 mm (over rear wheel)
Height	1,382 mm (above mirror, at DIN unladen weight)
Width	850 mm (without accessories)
Unladen weight, road ready, fully fuelled	223 kg ¹⁾
Permitted total weight	450 kg