



Media information
26 October 2023

BMW Motorrad presents the new S 1000 XR. **Improved performance, optimised ergonomics, sleeker design, and more standard and optional features.**



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Munich. BMW Motorrad is introducing the new S 1000 XR, an enhanced version of the successful long-distance sports bike and multiple test winner. Increased engine power, improved ergonomics, design refinements, and expanded standard features define the model's upgrades.

The reworked in-line 4-cylinder engine now delivers even more impressive performance, with a flow-optimised geometry for the intake channels and a power output of 125 kW (170 hp).

The new S 1000 XR still shares its in-line 4-cylinder engine with the S 1000 RR, providing a smooth and powerful torque delivery and a harmonious power characteristic that contributes to excellent rideability. Compared to the predecessor model, the engine power has been increased by 4 kW (5 hp) to now 125 kW (170 hp) at an unchanged nominal engine speed of 11,000 rpm. The main reasons for the performance increase are a flow-optimised geometry of the intake channels and a customised mapping. The maximum torque generated is still 114 Nm at 9,250 rpm.

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Improved ergonomics thanks to new seat and even sportier rear section.

In order to provide even more freedom of movement, especially during high-performance riding on country roads and race tracks, the seat of the long-distance sports bike has been completely redesigned. It now offers an extra 10 mm of seat height (850 mm) and provides more space for the buttocks by increasing the usable length and width of the seat, allowing for better adjustment of the seating position depending on the riding conditions. The improved ergonomics make it easier for riders to manoeuvre the S 1000 XR on the road or on the race track, providing even better control. A total of three different seat heights are available.

The new S 1000 XR also benefits from redesigned elements in its design. The rear section now features new side panels and air intakes inspired by motorsports, giving it a more dynamic look. Additionally, the radiator trim now has a textured surface, and the previously black-coloured "beak" fender is now painted in body colour.

Extended range of standard equipment and new optional extras / Original BMW Motorrad Accessories.

The new S 1000 XR comes with an expanded standard equipment list. As part of the standard equipment, **Headlight Pro** provides additional safety during night-time rides with its adaptive turning light. The rider benefits from improved road illumination in corners. The package also includes Daytime Running Lights (DRL) for better vehicle recognition during the day. **Keyless Ride** and a **12 Ah capacity battery** are now standard features. Additionally, the new BMW S 1000 XR is equipped with a **USB charging option** as standard.

Other updates include the availability of the **E-Call feature** in the USA, the option to equip the S 1000 XR with the optional **M GPS Laptrigger**, and the availability of **M Carbon wheels** as a new optional extra or as Original BMW Motorcycle accessories.



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Three new attractive colour options.

Three new colour options reflect the dynamic character of the new BMW S 1000 XR.

- **Blackstorm metallic**

- **Gravityblue metallic**

- **Lightwhite solid paint/Motorsport**

(in conjunction with the M package and M seat).

The key innovations of the new BMW S 1000 XR:

- Engine power has been increased by 4 kW (5 hp) to now 125 kW (170 hp) at 11,000 rpm (previously 121 kW (165 hp)).
- The intake channels have been modified.
- The optimised Shift Assistant Pro ensures even higher precision when shifting.
- Improved ergonomics and freedom of movement with a redesigned seat (850 mm seat height instead of the previous 840 mm).
- The spring strut has been optimised to provide a more sensitive and comfortable ride.
- The rear section has a new, sportier design with new side panels and air intakes inspired by motorsports.
- The handlebar clamp has been redesigned.
- The front "beak" is now painted in the body colour.
- The radiator cover has a new, textured surface.
- New battery with 12 Ah capacity instead of the previous 9 Ah.
- M Carbon wheels available as optional equipment or Original BMW Motorrad Accessories.



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- Keyless Ride is standard.
- USB charging port is standard.
- Headlight Pro is standard.
- E-Call now also available for the USA.
- Use of the M GPS Laptrigger is possible.
- New colour options: Blackstorm metallic, Gravityblue metallic and Lightwhite solid paint/Motorsport.



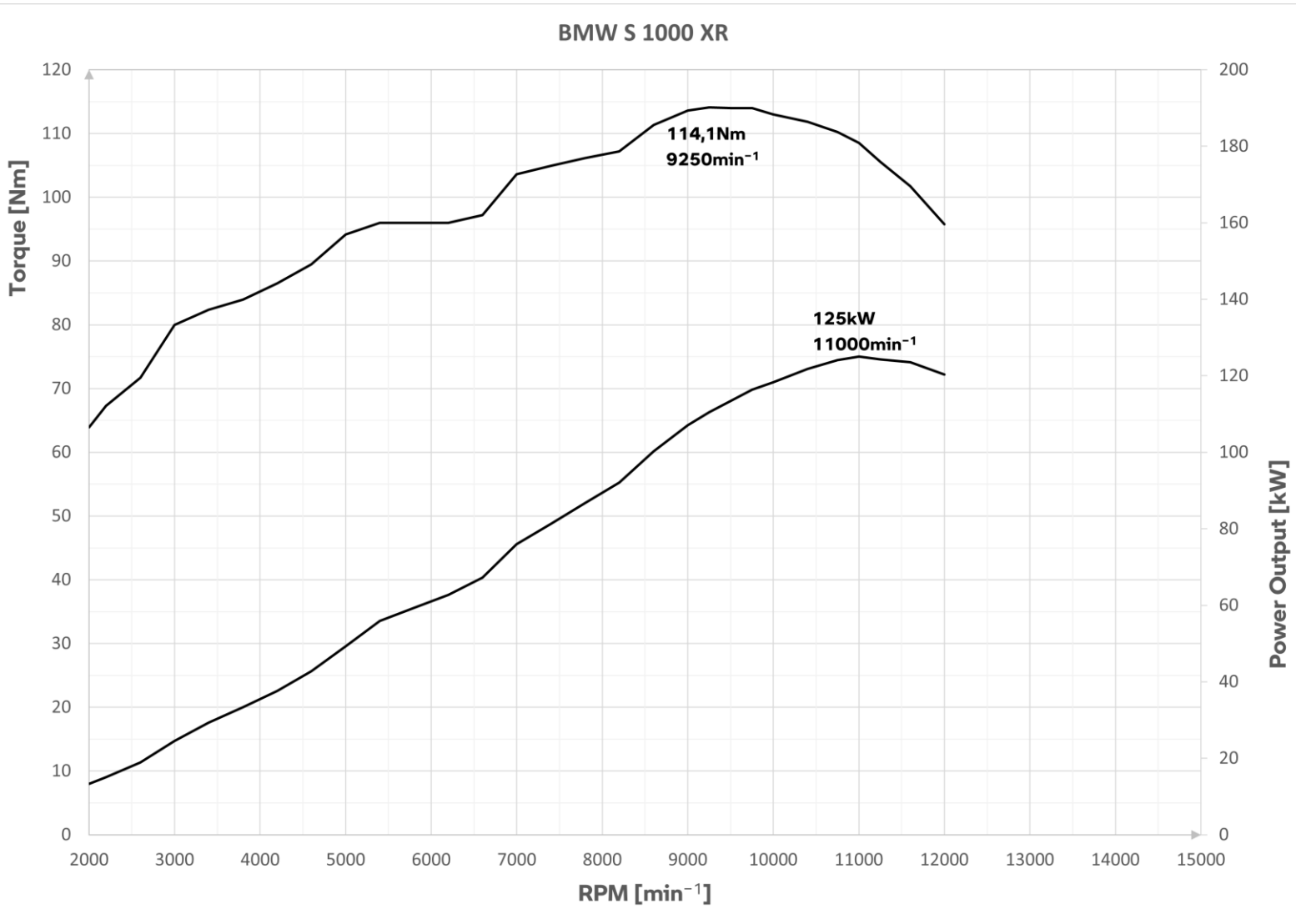
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Engine Output and Torque.





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Technical specifications.

BMW S 1000 XR		
Engine		
Capacity	cc	999
Bore/stroke	mm	80/49.7
Output	kW/hp	125/170
at engine speed	rpm	11,000
Torque	Nm	114
at engine speed	rpm	9250
Type	Water-cooled in-line 4-cylinder engine	
Compression/fuel	12.5:1 / Premium unleaded petrol, octane rating 95-98 (RON) (knock control; rated power at 98 RON)	
Valve/accelerator actuation	DOHC (double overhead camshaft), Valve actuation via single cam followers	
Valves per cylinder	4	
Ø intake/outlet	mm	33.5/27.2
Throttle valve diameter	mm	48
Engine control	BMS-O	
Emission control	Closed-loop three-way catalytic converter, EU 5+	
Electrical system		
Alternator	W	493
Battery	V/Ah	12/12, maintenance-free
Headlight	W	LED low beam twin headlamp with projection module LED high beam with projection module
Starter	kW	0.8
Power transmission - transmission		
Clutch	Self-reinforcing multi-plate anti-hopping oil bath clutch, mechanically operated	
Transmission	Constant-mesh 6-speed gearbox	
Primary ratio	1.652	
Transmission ratios I	2.647	
II	2.091	
III	1.727	
IV	1.476	
V	1.304	
VI	1.167	
Rear wheel drive	Chain	
Secondary ratio	2.647	



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Chassis

Frame construction type	Aluminium composite bridge frame, engine self-supporting	
Front wheel suspension	Upside-down telescopic forks, slide tube diameter 45 mm, dynamic ESA, electronically adjustable damping	
Rear wheel suspension	Aluminium underslung double-sided swing arm with central spring strut, Dynamic ESA, electronically adjustable damping	
Spring travel, front/rear	mm	150/150
Wheel castor	mm	116
Wheelbase	mm	1,552
Steering head angle	°	65.1
Brakes	Front	Twin disc brake, floating, Ø 320 mm, radial 4-piston fixed calipers
	Rear	Single-disc brake, Ø 220 mm, single-piston floating caliper
ABS	BMW Motorrad ABS Pro (part-integral)	
Traction control	BMW Motorrad DTC	
Wheels	Standard: Die-cast aluminium wheels Aluminium forged wheels as optional equipment	
	Front	3.50 x 17"
	Rear	6.00 x 17"
Tyres	Front	120/70 ZR17
	Rear	190/55 ZR17

Dimensions and weights

Total length	mm	2,156
Total width without attachments	mm	850
Seat height	mm	850
DIN unladen weight, fully fuelled	kg	227
Permitted total weight	kg	450
Fuel tank capacity	l	20

Performance figures

Fuel consumption (WMTC)	l/100 km	6.2
CO2	g/km	144
Acceleration 0-100 km/h	s	3.3
Top speed	km/h	>250



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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2022, the BMW Group sold nearly 2.4 million passenger vehicles and more than 202,000 motorcycles worldwide. The profit before tax in the financial year 2022 was € 23.5 billion on revenues amounting to € 142.6 billion. As of 31 December 2022, the BMW Group had a workforce of 149,475 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company set the course for the future at an early stage and consistently makes sustainability and efficient resource management central to its strategic direction, from the supply chain through production to the end of the use phase of all products.

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