



Media Information
27 March 2019

The new BMW 1 Series: final test phase in Miramas. Extensive fine tuning at the BMW testing ground in the South of France sharpens the independent character of the new BMW 1 Series.

Munich. Camouflaged pre-series vehicles of the third-generation BMW 1 Series are currently still undergoing extensive test drives at the BMW proving ground in Miramas, Southern France. The facility's diverse handling tracks offer the optimal conditions for refining agility and dynamics of the new BMW 1 Series. This was preceded by five years of intensive development work and the change to the modern BMW front-wheel drive architecture.

A genuine BMW with an individual character.

The new BMW 1 Series will set new standards in the premium compact class in terms of driving dynamics, whilst also offering significantly more space inside. With a cutting edge suspension set-up, innovative technologies and the integration of all driving dynamics-related components and control systems, the BMW 1 Series achieves greater agility both with the new front-wheel drive and BMW xDrive intelligent four-wheel drive. "Our customers will directly feel the fast and precise responsiveness that provides for an optimised driving experience. The BMW 1 Series will be a genuine BMW with an individual character," says Peter Langen, head of Driving Dynamics at the BMW Group.

Transfer of technology from the BMW i3.

On the new BMW 1 Series, BMW has utilized all of the experience gained over recent years with BMW Group front-wheel drive models. A crucial element for the car's exceptionally high agility is ARB technology (actuator contiguous wheel slip limitation) known from the BMW i3s, which is now celebrating its debut in a vehicle with a combustion engine. This transfer of technology from the BMW i brand to the core brand BMW improves traction decisively, while facilitating significantly more sensitive and faster control.

ARB technology, which is standard on the BMW 1 Series, features a slip control system positioned directly in the engine control unit instead of in the control unit for the DSC function (Dynamic Stability Control). Without long signal paths, information is passed on three times faster, with the regulation speed perceived by the driver actually being up to ten times faster. In close coordination with the DSC function, actuator contiguous wheel slip limitation significantly reduces the power understeer usually



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experienced with front-wheel drive vehicles, but without control intervention to stabilise lateral dynamics. BMW Performance Control (yaw moment distribution) also comes as standard and additionally increases agility of the BMW 1 Series through dynamic brake intervention. Moreover, torsional stiffness of the body structure is enhanced by the targeted use of additional struts such as a standard rear-end “boomerang strut”.

“Through this extensive integration of all driving dynamics-related aspects as well as the new, innovative traction control feature, we are creating a completely novel driving experience,” says Holger Stauch, BMW 1 Series project manager.

The most powerful BMW Group 4-cylinder engine for the new top-of-the-range model.

A newly developed 4-cylinder engine stands out prominently within the drive portfolio of the new BMW 1 Series. The BMW M135i xDrive (combined fuel consumption: 7,1-6,8 l/100 km; combined CO₂ emissions: 162-155 g/km)* features the most powerful 4-cylinder engine from the BMW Group with a 2-litre capacity and BMW TwinPower Turbo technology. The power unit delivers 225 kW (306 hp), ensuring extremely dynamic handling properties through individual technical solutions such as a reinforced crank drive, new pistons and con rods, a larger exhaust turbocharger as well as optimised fuel injection valves.

More interior space.

The BMW 1 Series has taken a major leap forward in terms of interior spaciousness. Thanks to the new front-wheel drive architecture with transverse engines and a low centre tunnel, noticeably more space is now available than in the predecessor model, especially on the back seats. For example, legroom for rear-seat passengers has increased by 33 millimetres and headroom at the back by 19 millimetres. Access to the rear compartment is now easier and luggage compartment capacity has increased by 20 litres to 380 litres. Thus, the new BMW 1 Series combines outstanding handling characteristics with significantly improved spaciousness.

*All figures relating to driving performance, consumption, emissions and range are provisional.

Fuel consumption, CO₂ emission figures and power consumption were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. The figures are calculated using a vehicle fitted with basic equipment in Germany, the ranges stated take into account differences in selected wheel and tyre sizes as well as the optional equipment. They may change during configuration.



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The figures marked * have already been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes. In these vehicles, different figures than those published here may apply for the assessment of taxes and other vehicle-related duties which are (also) based on CO₂ emissions.

For further details of the official fuel consumption figures and official specific CO₂ emissions of new cars, please refer to the "Manual on fuel consumption, CO₂ emissions and power consumption of new cars", available at sales outlets, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/angebote/verlagsprodukte/leitfaden-kraftstoffverbrauch.html>.

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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 30 production and assembly facilities in 14 countries; the company has a global sales network in more than 140 countries.

In 2018, the BMW Group sold over 2,490,000 passenger vehicles and more than 165,000 motorcycles worldwide. The profit before tax in the financial year 2018 was € 9.815 billion on revenues amounting to € 97.480 billion. As of 31 December 2018, the BMW Group had a workforce of 134,682 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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