Media information
10th May 2022

Tackling ice and snow with all-electric power: final winter testing with the new BMW iX1.

Forthcoming model generation of the BMW X1 compact Sports Activity Vehicle will also be offered with fifth-generation BMW eDrive technology for locally emission-free driving pleasure. Successful completion of driving dynamics testing at the BMW Group's winter testing centre in Arjeplog, northern Sweden.

Munich. The countdown is on for the third generation of the BMW X1 – and for the first fully electrically powered Sports Activity Vehicle (SAV) in the premium compact segment. The new BMW iX1 (electric power consumption combined: 18.4 – 17.3 kWh/100 km in the WLTP cycle; CO_2 emissions: 0 g/km; electric range: 413 – 438 km [257 – 272 miles] in the WLTP cycle; figures in the NEDC cycle: – ; predicted values based on the car's current stage of development) has now successfully completed driving dynamics testing at the BMW Group's winter testing centre in Arjeplog, northern Sweden. On snow-covered roads and specially prepared ice tracks around the town of Arjeplog close to the Arctic Circle, it joined the conventionally powered and plug-in hybrid variants of the new BMW X1 in passing integrated application tests for its powertrain and chassis systems. Another fully electric model from the BMW Group has therefore reached the final phase of series development process.

This test of strength and endurance in bitterly cold temperatures and wintery road conditions subjected the electric motors, electric all-wheel-drive technology, high-voltage battery, power electronics and charging technology of the BMW iX1 to a particularly exacting examination. Its fifth-generation BMW eDrive technology uses the latest battery cell technology and intelligently controlled heat management to enable short charging times and a long range, even in extreme sub-zero temperatures. With two electric motors (one at the front axle and one at the rear), whose power delivery is coordinated precisely to optimise traction and dynamic performance, and its extremely fast-acting near-actuator wheel slip limitation tech, the BMW iX1 is perfectly equipped to provide assured progress over any terrain.

At the BMW Group's winter testing centre in Arjeplog, the powertrain and chassis systems of new models are put through a process of exceptionally detailed fine-tuning. Snow-covered roads and areas of frozen lakes prepared specially for these testing programmes present the BMW Group's development and testing engineers

with the ideal conditions in which to hone the interplay of the motors, electric all-wheel-drive technology and suspension control systems at the longitudinal and lateral dynamic limits. The ice surfaces, in particular, provide the perfect, reproducible conditions in which to explore in detail and optimise how the powertrain and chassis work together. This intensive testing programme lays the foundations for reliably secure, assured driving characteristics – with the sporting edge drivers expect of a BMW – and a well resolved overall vehicle experience.

The BMW iX1 is the brand's third SAV to feature a purely electric drive system and will be added to the model range immediately after the launch of the new BMW X1, which is scheduled to get underway in autumn 2022. The fully electrically powered model is based on a flexible vehicle architecture and will be produced on the same assembly line as the combustion-engined and plug-in hybrid variants of the compact SAV.

The fuel consumption, CO_2 emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. They refer to vehicles in the German market. Where a range is shown, the figures take into account the impact of any optional extras.

All values were calculated based on the new WLTP test cycle. WLTP values are taken as the basis for determining vehicle-related taxes or other duties based (at least inter alia) on CO_2 emissions as well as eligibility for any applicable vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures can also be found at www.bmw.de/wltp.

Further information on official fuel consumption figures and specific CO_2 emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO2-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO_2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2.

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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 31 production and assembly facilities in 15 countries; the company has a global sales network in more than 140 countries.

In 2021, the BMW Group sold over 2.5 million passenger vehicles and more than 194,000 motorcycles worldwide. The profit before tax in the financial year 2021 was € 16.1 billion on revenues amounting to € 111.2 billion. As of 31 December 2021, the BMW Group had a workforce of 118,909 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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