



Media Information
29 August 2019

Electrifying power for supreme driving pleasure: market launch of the new BMW X5 xDrive45e.

New edition of the Sports Activity Vehicle with plug-in hybrid drive combines in-line 6-cylinder petrol engine featuring the very latest BMW eDrive technology – system output increased to 290 kW/394 hp, electrically powered range now tripled as compared to the predecessor model – characteristic sporty flair, unlimited off-road performance and outstanding efficiency.

Munich. Efficiency meets supremacy: With the market launch of the new BMW X5 xDrive45e, the drive portfolio of the Sporty Activity Vehicle (SAV) is now being expanded to include a plug-hybrid system. The second generation of the BMW X5 with electrified drive combines a model-specific in-line 6-cylinder petrol engine featuring BMW TwinPower Turbo Technology with the very latest BMW eDrive technology. Consistent progress in the area of plug-hybrid drive has produced a system output now increased to 290 kW/394 hp, a tangible enhancement in terms of electrically powered range and a significant reduction in fuel consumption and CO₂ levels as compared to the predecessor model.

More impressively than ever, the second generation of the plug-in hybrid model combines the purely electrically powered driving pleasure of a BMW plug-in hybrid model with the versatility that is typical of a Sports Activity Vehicle. In doing so, the new BMW X5 xDrive45e offers optimised qualities in terms of both driving dynamics and efficiency. With an electrically powered range of 67 to 87 kilometres in the new WLTP test cycle or some 86 to 97 kilometres* according to the NEDC test cycle, the figure achieved by the predecessor model has been more than tripled. At the same time, the combined fuel consumption and CO₂ emissions of the new BMW X5 xDrive45e have been virtually halved. The fuel consumption figures are now 1.9 to 1.2 litres per 100 kilometres in the WLTP test cycle or 2.0 to 1.7 litres per 100 kilometres* in the NEDC test cycle, with the relevant CO₂ emissions being reduced to 44 to 27 grams per kilometre (WLTP) or 47 to 39 grams per kilometre* (NEDC). The combined power consumption of the new BMW X5 xDrive45e is between 28.3 and 23.1 kWh per kilometre (WLTP) or between 23.5 and 21.5 kWh per 100 kilometres* (NEDC).

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* Fuel consumption, CO₂ emissions, power consumption and range have been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes, dependent on the tyre format selected. 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.



BMW i

Corporate Communications

Media Information

Date 29 August 2019

Topic Electrifying power for supreme driving pleasure: market launch of the new BMW X5 xDrive45e.

Page 2

The top speed when driving on electric power alone is increased from 120 to 135 km/h.

These improved levels are the result of a completely newly developed drive technology. It comprises a 3.0-litre and 210 kW/286 hp in-line 6-cylinder engine from the current BMW EfficientDynamics drive family and the fourth generation of BMW eDrive technology. An electric motor with an output of 83 kW/113 hp, a lithium-ion battery with a gross energy content increased to 24.0 kWh and further developed power electronics for intelligent energy management give the plug-in hybrid system of the BMW X5 xDrive45e unique performance characteristics as well as an impressive level of efficiency. Together, the two drive units generate a system output of 290 kW/394 hp along with a maximum system torque of 600 Nm. The combustion engine and electric motor deliver their power to an 8-speed Steptronic transmission of the latest generation and the intelligent all-wheel drive system BMW xDrive. In this way, the drive torque is transferred to all four wheels when driving on electric power alone as well as when using the combustion engine or indeed both drive units: this ensures sporty driving pleasure on the road and supreme off-road performance over loose terrain at all times. The new BMW X5 xDrive 45e takes 5.6 seconds for the sprint from zero to 100 km/h, which is 1.2 seconds less than the predecessor model. Its top speed is 235 km/h.

Thanks to the high-voltage battery positioned in the underbody area of the vehicle, the centre of gravity is lower than in conventionally powered SAV model variants. The luggage compartment volume of the BMW X5 xDrive45e is only some 150 litres less. When all seats are used, the storage volume is 500 litres; if the rear backrests are folded down, a volume of 1 720 litres is available. The volume of the fuel tank is 69 litres – suitable for long distances.

The new BMW X5 xDrive45e is fitted as standard with a two-axle air suspension and electronically controlled dampers. The optional suspension systems available for the plug-in hybrid model include integral active steering. In addition to a comprehensive selection of features in the area of intelligent connectivity, new digital services are also offered that are geared specifically towards electromobility. In addition, all driver assistance systems developed for the Sports

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BMW i

Corporate Communications

Media Information

Date 29 August 2019

Topic Electrifying power for supreme driving pleasure: market launch of the new BMW X5 xDrive45e.

Page 3

Activity Vehicle as well as high-quality options to enhance comfort and luxurious interior ambience are also available for the new BMW X5 xDrive45e. Its standard trim also includes acoustic pedestrian protection. When running at low speeds on electric power, a speaker system emits a distinctive sound generated especially for electrified BMW models which establishes an acoustic presence without impairing occupants' acoustic comfort.

BMW plug-in hybrid models offer an array of benefits in everyday use.

BMW's plug-in hybrid drive systems already offer users a host of additional benefits over traditional solutions:

- Money-saving: Electric driving in urban areas is cheaper than using petrol or diesel if the plug-in hybrid vehicle is charged at home or at the workplace at low cost.
- Interior always at the right temperature, even before you get in: auxiliary heating and auxiliary air conditioning are fitted as standard.
- Braking is winning: The battery is charged under braking. In conventional vehicles, braking generates only heat and brake dust.
- The best of both worlds: Plug-in hybrids provide electric driving pleasure in urban areas and classical BMW driving pleasure over longer distances.
- Smoothing the way into the future: Because a plug-in hybrid can run emission-free, it is eligible to enter many low-emission zones, enjoys extra parking privileges and saves on toll charges.
- Better quality of life in cities: By driving on electric power, users can actively contribute to reducing emissions and traffic noise in cities.

New BMW X5 xDrive45e has a smaller overall CO₂ footprint.

The "real" environmental impact of plug-in hybrid vehicles has been questioned on occasion, especially in markets where the proportion of green energy used by the public energy grid remains small. The BMW Group conducted a full-cycle CO₂ certification for the new BMW X5 xDrive45e – from raw material procurement, the supply chain, production and the use phase, all the way to recycling.



BMW i

Corporate Communications

Media Information

Date 29 August 2019

Topic Electrifying power for supreme driving pleasure: market launch of the new BMW X5 xDrive45e.

Page 4

This revealed the CO₂ footprint of the new BMW X5 xDrive45e to be 40 per cent smaller than that of the new BMW X5 xDrive40i when running on average European power in the use phase. When charging the car with green energy, its CO₂ footprint is reduced by as much as 70 per cent.

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.

The details 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>.



BMW i

Corporate Communications

Media Information

Date 29 August 2019

Topic Electrifying power for supreme driving pleasure: market launch of the new BMW X5 xDrive45e.

Page 5

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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 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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