

The new BMW 5 Series. Short version.



A heightened sense of outward authority, an interior brimming with detail refinements, the efficiency-enhancing influence of electrification, and cutting-edge innovations in the areas of driver assistance, control/operation and connectivity help the new BMW 5 Series to cement its position as a particularly sporty, efficient and progressive addition to the premium end of the executive class. Like the new BMW 5 Series Sedan, the new BMW 5 Series Touring will now also be available with a plug-in hybrid drive system. The use of mild hybrid technology with a 48V starter-generator will be rolled out to all models with a four- or six-cylinder engine. The most important new features of the interior include the display and operation system, which now also encompasses a Control Display measuring up to 12.3 inches. Added to which, the introduction of BMW Operating System 7 now brings owners the services of the BMW Intelligent Personal Assistant. The addition of, for example, the optional Steering and Lane Control Assistant – with Active Navigation and the likewise new automatic formation of emergency lane functions – to the list of driver assistance systems takes the new BMW 5 Series another few steps along the road to automated driving.

The wide variety of technological innovations on board paves the way for the most tradition-rich model range in the BMW line-up to write another chapter in its success story. More than 600,000 units of the BMW 5 Series Sedan and BMW 5 Series Touring have now been sold worldwide since the current model generation was launched. The market introduction of the new BMW 5 Series will get underway in July 2020. Both models will be produced at BMW Plant Dingolfing in Bavaria. The new BMW 5 Series Sedan will also be built by production partner Magna Steyr in Graz, Austria. The long-wheelbase version of the Sedan is made exclusively for the Chinese market at joint venture BMW Brilliance Automotive's Dadong plant in Shenyang.

Exterior design: increased presence and exquisite sporting style.

The exterior design of the BMW 5 Series is headlined by sporting grace and clean surfaces. Precise modifications showcase the Sedan and Touring's presence and exquisite sporting style even more vividly.

The BMW kidney grille adds extra width and height, drops down further into the front apron and is framed by a single-piece surround. The slimmer contouring of the headlights brings a modern twist to the focussed look

familiar from BMW's past and present. Two U- or optionally L-shaped daytime driving light sources arranged next to one another create a precise and modern light graphic. New full-LED headlights including adaptive cornering function, BMW Selective Beam non-dazzling high beam with matrix technology, and the High-beam Assistant are offered as an option. And BMW Laserlight is now likewise optionally available for all variants of the BMW 5 Series. In both optional headlight variants, the outer daytime driving lights also perform the role of turn indicators. Black edging and a new L-shaped graphic give the rear lights of the new BMW 5 Series additional visual impact. The rear lights and brake lights are integrated into a shared light fixture, which now forms a single unit with the prominently three-dimensional external lens. Regardless of the equipment line and engine specified, all models of the new BMW 5 Series come with trapezoidal tailpipe finishers.

M Sport package, BMW Individual Aerodynamic Wheels and M Sport Edition raise exclusivity another notch.

The M Sport package brings a significantly more muscular design to both the front and rear of the car thanks to new, dynamically proportioned aerodynamic features. New exterior colours and the BMW Individual Aerodynamic Wheels – making their debut here – provide additional enhancements. The innovative construction of the exclusive light-alloy wheels brings about a reduction in weight and drag coefficient. Plus, a new M Sport Edition version of the new BMW 5 Series will be available from launch in a limited worldwide production run of 1,000 units. Its exclusive specification includes the M Sport package, model-specific Aerodynamic Wheels and a Donington Grey metallic paint finish.

Interior: 12.3-inch Control Display, new equipment options.

The now standard 10.25-inch or optional 12.3-inch Control Display, newly designed controls on the centre console and the standard sports leather steering wheel with newly arranged multifunction buttons headline an interior brimming with detail refinements. Standard equipment for the new BMW 5 Series Sedan and new BMW 5 Series Touring now also includes automatic climate control with extended features.

New additions to the options list include M multifunction seats with a wide range of adjustment, new interior trim strips and seat surfaces in Sensatec perforated trim.

Choice of plug-in hybrids set to grow to five models initially; eDrive technology now also available in the new BMW 5 Series Touring and in combination with a six-cylinder in-line engine.

From autumn 2020, latest-generation BMW eDrive technology will be teaming up with a four-cylinder petrol engine to power not only the new BMW 530e Sedan (fuel consumption combined: 1.9 – 1.7 l/100 km [156.9 – 166.2 mpg imp]; electric power consumption combined: 14.9 – 13.8 kWh/100 km; CO₂ emissions combined: 43 – 39 g/km) and new BMW 530e xDrive Sedan (fuel consumption combined: 2.1 – 2.0 l/100 km [134.5 – 141.2 mpg imp]; electric power consumption combined: 16.5 – 15.9 kWh/100 km; CO₂ emissions combined: 49 – 46 g/km), but also the new BMW 530e Touring (fuel consumption combined: 2.0 – 1.8 l/100 km [134.5 – 148.7 mpg imp]; electric power consumption combined: 16.1 – 15.4 kWh/100 km; CO₂ emissions combined: 46 – 42 g/km) and new BMW 530e xDrive Touring (fuel consumption combined: 2.4 – 2.2 l/100 km [122.8 – 134.5 mpg imp]; electric power consumption combined: 16.7 – 16.1 kWh/100 km; CO₂ emissions combined: 54 – 50 g/km). The engine produces maximum output of 135 kW/184 hp, while the electric motor develops 80 kW/109 hp. The joint output of the two power units can be briefly increased to a maximum 215 kW/292 hp thanks to the XtraBoost feature. Electric range according to the WLTP test cycle is 52 – 57 kilometres (32 – 35 miles) for the new BMW 530e Touring and 48 – 53 kilometres (29 – 32 miles) for the new BMW 530e xDrive Touring.

The arrival of the new BMW 545e xDrive Sedan (fuel consumption combined: 2.3 – 2.2 l/100 km [117.7 – 134.5 mpg imp]; electric power consumption combined: 15.8 – 15.3 kWh/100 km; CO₂ emissions combined: 53 – 49 g/km) in autumn 2020 will further broaden the selection of plug-in hybrid variants. In this model, the 80 kW/109 hp electric motor combines with a straight-six petrol unit generating 210 kW/286 hp, resulting in an overall output of 290 kW/394 hp. The new BMW 545e xDrive Sedan achieves an electric range of 49 – 57 kilometres (30 – 35 miles) according to the WLTP test cycle. The BMW eDrive Zone digital service is available in all the plug-in hybrid models as standard. This unique function automatically switches to the all-electric operating mode when the vehicle enters a “green zone”.

48V mild hybrid technology for all four- and six-cylinder models.

Mild hybrid technology, first introduced in the BMW 520d and BMW 520d xDrive models in autumn 2019, will now offer enhanced performance combined with lower fuel consumption and improved driving comfort in all four- and six-cylinder variants of the new BMW 5 Series. Fitting an extremely powerful 48V starter-generator and a second battery enables a significant increase in the amount of brake energy that can be regenerated

and stored. This energy is used not just for supplying the electrical system, but also for lightening the combustion engine's workload and boosting its power.

The starter-generator produces an electric boost effect that instantly puts an additional 8 kW/11 hp on tap, bringing extra dynamism to overtaking and off-the-line acceleration. The powerful starter-generator also increases efficiency by assisting the engine when driving at constant speeds and improves comfort when the Auto Start Stop and coasting functions are in use.

Further developed powertrain and chassis technology.

Alongside the 390 kW/530 hp V8 under the bonnet of the range-topping BMW M550i xDrive Sedan (fuel consumption combined: 10.7– 10.4 l/100 km [26.4 – 27.2 mpg imp]; CO₂ emissions combined: 243 – 238 g/km), the new BMW 5 Series comes with a choice of three other petrol and three diesel engines generating between 135 kW/184 hp and 250 kW/340 hp. The direct injection system in the petrol units operates at increased pressure, meaning greater efficiency, while the two-stage turbocharging technology now fitted in all diesel variants makes for even sharper power delivery. All the engines link up with an eight-speed Steptronic transmission as standard. BMW xDrive intelligent all-wheel drive is offered as a standard or optional feature for all model variants with the exception of the entry-level petrol engine.

There is a choice of sophisticated chassis systems designed to effectively enhance either agility and dynamism or driving comfort. M Sport suspension, Adaptive M suspension and Adaptive M suspension Professional including active roll stabilisation can all be found on the options list. The latest version of the optional Integral Active Steering can come to the driver's aid when manoeuvring by turning the rear wheels as required even at speeds under 3 km/h (2 mph). Red callipers are now available as an alternative to the blue units as a visual differentiator for the M Sport brakes.

Driver assistance systems offering additional functions.

The driver assistance systems available for the new BMW 5 Series serve to both enhance driving comfort on long journeys and increase safety in situations where the driver does not have a clear view. The Lane Departure Warning system included with the optional Driving Assistant now also features lane return by means of steering assistance. The updated Steering and Lane Control Assistant included as part of the new Driving Assistant Professional package also brings Active Navigation. This system uses navigation data to spot in advance when a lane change will be required, and this can then be performed with ease using the Lane Change Assistant. There is also a new function called "automatic formation of emergency lane", which steps in

to guide the car to the most appropriate side of its lane in tailbacks on the motorway.

The Parking Assistant's range of functions has been extended with the addition of the reversing assistant, which takes control of the steering while backing up for distances of up to 50 metres. The new Drive Recorder lets drivers shoot and store videos of the scene around the vehicle. And the 3D visualisation of the surrounding area in the instrument cluster provides an enhanced overview of the current traffic situation, the status of the driver assistance systems and the possible courses of action they offer.

New digital services: BMW Maps, BMW Intelligent Personal Assistant, Smartphone Integration, BMW Digital Key for the Apple iPhone ,Remote Software Upgrade.

Both the standard BMW Live Cockpit Plus and the optional BMW Live Cockpit Professional bring the new BMW Operating System 7 to the BMW 5 Series, together with a host of extra digital services. Besides calculating routes and arrival times with remarkable speed and precision, and updating real-time traffic data at short intervals, the new cloud-based navigation system BMW Maps also lets drivers enter any word when selecting a destination. The BMW Intelligent Personal Assistant with extended functionality is also now available in the new BMW 5 Series as a standard feature.

The standard Smartphone Integration function is now compatible with both Apple CarPlay and Android Auto. With the optional BMW Digital Key, the Apple iPhone can now be used as a car key. Remote Software Upgrade is another new feature that enables improved vehicle functions and additional digital services to be downloaded into the car over the air.

The figures relating to performance, fuel/electric power consumption and emissions are provisional.

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and, except for the electric range, are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ 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, CO₂ 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/>.