



BMW AUTHORITY VEHICLES

BMW EFFICIENTDYNAMICS.
LESS EMISSIONS. MORE DRIVING PLEASURE.

“READY FOR ACTION.”

Dear Sir or Madam,

Be it in the police force, fire brigade, ambulance service, at security firms or in undercover investigation work: the demands placed on emergency service personnel are constantly increasing.

These specialists therefore depend on exceptional vehicles that are dynamic and efficient, flexible and reliable, both in everyday driving and emergency situations.

For over 60 years now, BMW has been working with government authorities around the world to develop vehicles that meet the highest standards and are suited to all kinds of missions. With sophisticated innovations such as versatile networking via BMW ConnectedDrive, BMW consistently helps make the hard work of the emergency services easier when they are in action. Furthermore, the intelligent BMW EfficientDynamics programme of technologies ensures that using BMW Authority Vehicles is financially prudent – and environmentally sustainable.

Let BMW convince you. We thank you for your trust and assure you: we are ready for action.

Your BMW Authority Vehicles Team



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SPECIALISTS FOR ALL SITUATIONS.

Paramedics, firefighters, uniformed and undercover police – everyone who works in the emergency services has one thing in common: their work regularly requires outstanding performance in high-pressure situations. Their emergency vehicle is of key importance here. BMW's Authority Vehicles – ranging from the BMW 1 Series, BMW 2 Series Gran Tourer, 3 Series, 5 Series and 7 Series through to the BMW X1, X3 and X5 models – have been systematically developed

and perfected over more than 60 years of working with authorities around the world. The result is state-of-the-art Authority Vehicles that offer the highest level of safety, cost-effectiveness and innovation.

www.bmw-authority-vehicles.com

Image shows vehicle homologated and approved for the German market and may contain equipment features only available in this market. Please contact your BMW partner to find out which vehicles and equipment features are available to you.



GUARDIAN ANGELS AREN'T EVERYWHERE. BUT THEY ARE QUICK TO THE SCENE.

When it comes to saving lives, every second counts. However, increasing traffic density and inattentive road users increase the risks for the emergency driver. Anyone who puts their own life at risk must therefore be able to rely 100% on their emergency vehicle. Every authority is on the safe side with BMW. Thanks to fully integrated technologies for the active and passive safety of emergency service personnel, the risks of deployment are minimised even in borderline situations. BMW provides its original BMW manufacturer quality guarantee for Authority Vehicles and all the special equipment.

In addition, BMW subjects its Authority Vehicles, including the equipment, to stringent tests such as crash or skid tests and rollover or roof crush tests, which go far beyond the standard requirements. Deployment-dependent service intervals (Condition Based Service) and BMW's supply of spare parts for the entire equipment range for authorities guarantee quality-, time- and cost-optimised use of Authority Vehicles.



Dr Florian Hoffmann, emergency paediatrician in Munich:
 "Our paediatric emergency ambulance covers around 45,000 km per year, of which 20,000 km is driven at high speed with a blue light. So I am pleased that our BMW is such a safe vehicle. And its manoeuvrability and power delivery make it easy to get through traffic in the city."



Guaranteed first-hand quality.

- Crash or skid test for checking the equipment
- Rollover or roof crush test with warning system
- Passive safety system compatible with the equipment
- Condition Based Service: dynamic service interval display based on individual operating conditions
- BMW spare parts supply incl. equipment
- Original BMW manufacturer quality guarantee for special equipment

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FULLY CONNECTED: THANKS TO BMW CONNECTED DRIVE.

The digital products and Connected Services from BMW ConnectedDrive offer a wide range of useful functions, including route transmission and data transfer directly into the vehicle. Real Time Traffic Information informs you about the current traffic situation in real time, warns you of traffic congestion and, if necessary, redirects you to save time.

For more information:

<https://www.bmw-connecteddrive.com/country-region-select/country-region-selection.html>

Mr Szymoniak, Regional Director of Landesfeuerweh- rverband Mecklenburg-Vorpommern e.V.:

"Getting to the scene quickly is of the utmost importance for our work. It is therefore essential that we have a vehicle with equipment that we can rely on in any situation. RTTI knows the current traffic situation almost in real time and automatically calculates alternative routes. It also warns us of adverse road conditions or accidents on our route. It is for all these reasons that we are very pleased to have BMW as a reliable partner."



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IN USE GLOBALLY. ON THE SCENE LOCALLY.

The requirements of the emergency services may differ considerably from country to country. This applies to the individual appearance of the various authorities as well as the optional equipment. Here too, BMW vehicles demonstrate their superiority, as they can be adapted to suit the respective requirements.

Thanks to the close and long-standing collaboration with international authorities, BMW has succeeded in creating a perfect basis so that even the most exacting customer requests can be easily implemented by the customer locally with their conversion partners. BMW Authority Vehicles undergo constant further development in order to extend the leading technical edge in the future too.

Vehicle shown contains equipment features installed by independent third parties. Please contact your BMW partner for details.



VEHICLE RANGE. THE PERFECT VEHICLE IN EVERY SITUATION.

AUTHORITY VEHICLES.
Always at your service.

UNMARKED AUTHORITY VEHICLES AND SECURITY VEHICLES.
Always in safe hands.

BMW MOTORRAD.
Always ahead.

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BMW 1 Series.

DYNAMICS AND AGILITY IN EVERY SITUATION.

With its compact external dimensions, the **BMW 1 Series** has an impressively spacious interior. Efficient engines delivering up to 225 kW (306 hp) and state-of-the-art running gear technologies guarantee full dynamics and agility, while innovative technologies and driver assistance systems ensure that you always reach your destination safely and comfortably. Equipped with intelligent BMW xDrive all-wheel drive, it effortlessly masters even challenging driving situations.

BMW Live Cockpit, with its 8.8-inch central information display, in conjunction with the optional BMW Head-up display, ensures that all important information is available at a glance at all times. With a luggage compartment capacity of up to 1200 litres and a maximum payload of up to 530 kg, the BMW 1 Series provides maximum storage space with greatest flexibility.



BMW 2 Series GRAN TOURER.

FLEXIBILITY IS ITS STRENGTH.

The **BMW 2 Series Gran Tourer** combines robust reliability with versatility that is evident both in its handling and in its interior. The BMW 2 Series Gran Tourer is the first in its class to be equipped with intelligent BMW xDrive all-wheel drive, thus effortlessly mastering even challenging driving situations. An elevated seat position and the BMW Head-up display ensure that all important information is available at a glance at all times.

Large doors and a high roof line facilitate easy entry into the BMW 2 Series Gran Tourer. In addition, the vehicle also offers maximum storage space with maximum flexibility. The luggage compartment of the BMW 2 Series Gran Tourer has a volume of up to 1905 litres and its floor can bear loads of up to 420 kg.



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BMW 3 Series.

THE DRIVING FORCE FOR EVERY MISSION.

The **BMW 3 Series** combines outstanding agility and utility. This is primarily ensured by the running gear with a BMW-typical 50:50 axle-load distribution and rear-wheel drive. The steering is free of drive influences, which makes it unparalleled in terms of spontaneity and precision. For even better traction and directional stability, xDrive, BMW's intelligent all-wheel drive, is available on request for numerous models. Incidentally, it is also available for our new plug-in hybrids, which combine the electric drive technology BMW eDrive with a powerful BMW combustion engine.

Depending on the drive mode, you can drive silently with zero local emissions or with a strong torque. Practical functions such as the tailgate, which features an automatic opening and closing function as standard, with a separately opening rear window also make the BMW 3 Series Touring a versatile and practical Authority Vehicle.



BMW 5 Series.

A PERFECT COMBINATION OF DYNAMISM AND VERSATILITY.

The **BMW 5 Series** remains in the lead – and emergency service personnel will benefit from its outstanding qualities. For example, diesel engines such as those in the BMW 520d or plug-in hybrids such as the 545e once again set standards in their class by combining extremely low fuel consumption with snappy acceleration and high torque characteristics. This is ensured by numerous innovative BMW EfficientDynamics technologies. In total, the BMW 5 Series impresses with its unmatched cost-effectiveness and particularly low operating costs. When it comes to demonstrating the highest level of concentration and superiority even in demanding situations, there is no better workplace than the BMW 5 Series with its consistently driver-oriented cockpit.

The optionally available Integral Active Steering improves manoeuvrability and increases driving stability. The optional full-colour BMW Head-up display projects relevant information directly into the driver's field of view – allowing them to keep the traffic situation in sight at all times. If you're looking for maximum variability and enjoyment you will soon no longer want to do without the BMW 5 Series Touring in everyday life: it boasts a wide range of loading options and a large loading volume of up to 1700 litres. What is more, even with a maximum payload of 695 kg and the standard rear-axle self-levelling air suspension, the BMW 5 Series still offers sufficient safety reserves.



BMW X1.

AN ALL-ROUNDER IN ANY SITUATION.

The **BMW X1**. Reliable and always ready for action. Versatile and flexible, even in small spaces. Fast, manoeuvrable, precise. Economic use of resources – but with an impressive result: this is how emergency service personnel act when it matters the most. And the BMW X1 drives the same way. The BMW TwinPower Turbo 4-cylinder petrol and diesel engines combine top performance with efficiency. The vehicle's centre of gravity is low with an optimum axle-load distribution of almost 50 : 50.

No matter whether you opt for the sDrive model with rear-wheel drive or the xDrive model: every BMW X1 impresses with its outstanding agility. Thanks to the raised seat position and BMW Head-up display, you can see the big picture in any situation. With a spacious interior and a 40 : 20 : 40 split rear bench seat, the BMW X1 is ready for any mission.

BMW X3.

CAPABLE OF ANYTHING WITH A GOOD OVERVIEW.

The **BMW X3** is designed for tough and demanding missions, even on difficult terrain – it impresses with its exceptional versatility. Innovative technologies such as intelligent BMW xDrive all-wheel drive, support the driver in every situation. The flat window line and raised seat position provide a superior overview and, thanks to the optional seat with active seat ventilation, you won't break a sweat even in critical situations. Of course, the BMW X3 also leads the way as a role model:

thanks to the multi-award-winning BMW EfficientDynamics technology package and the available plug-in hybrids, it was possible to once again increase performance and at the same time significantly reduce consumption and emissions. The 8-speed Steptronic transmission is combined with an Auto Start/Stop function in the BMW X3. In this way, cost-effectiveness could be further improved without compromising the high level of responsiveness you would expect from a BMW.



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BMW 7 Series AS AN UNMARKED AUTHORITY VEHICLE.

PERFECT MISSION EQUIPMENT THAT DOES NOT STAND OUT.

BMW offers additional equipment for the BMW 7 Series in order to be ready for use at any time, even as an official escort vehicle for representative duties or undercover investigations. The specialised requirements for these vehicles already impact the planning phase of the production vehicles and thus allow for the intelligent integration of individual and highly discrete special equipment.

Particularly in our top model, the BMW 7 Series, the innovative and sustainable plug-in hybrids 745e, 745Le and 745Le xDrive represent the best of both worlds.

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BMW X5.

MORE FREEDOM ON ANY TERRAIN.

With the enhanced TwinPower Turbo assembly and the outstanding traction of intelligent BMW xDrive all-wheel drive, the **BMW X5** offers driving pleasure on any terrain. The optional xOffroad package ensures finer tuning in every mission: four selectable off-road modes adapt the all-wheel drive exactly to the current driving surface. And the plug-in hybrid BMW X5 xDrive45e allows you to experience the perfect combination of sustainable mobility and efficient driving dynamics. The BMW X5 also features the latest generation of BMW Connectivity technologies.

State-of-the-art driver assistance systems create seamless networking with the outside world and, thanks to intuitive operation, offer maximum comfort and the greatest possible level of safety. As a BMW Authority Vehicle, the BMW X5 has the largest loading volume of up to 1870 l and the highest maximum payload of up to 1005 kg, which it handles perfectly thanks to the adaptive 2-axle air suspension.

BMW X5 PROTECTION VR6.

TRUST IS GOOD. EXPERIENCE IS BETTER.

BMW has been developing and producing security vehicles that meet the highest demands and standards for more than 40 years.

One of the most important lessons we have gleaned from this is that only those who fulfil all aspects of a security concept from a single source can develop a vehicle with comprehensive protection without making any compromises. The integration of protective measures and the inherently required additional weight are already taken into account in the design of the production vehicle.

Combined with **innovative materials** and **state-of-the-art development techniques**, this approach enables the perfectly coordinated integration of all protective elements. All protective measures, such as protective glass, underbody fragmentation protection or shaped parts made of high-strength steel, are integrated without affecting the discrete exterior appearance of the production vehicle.

In order to guarantee **unrestricted driving dynamics** combined with **unparalleled comfort**, running gear designed for the highest load is installed ex works. The standard restraint systems and airbags also retain their full functionality.

In addition to the **strict quality standards** that every BMW security vehicle must meet, the vehicles are tested and certified in accordance with the currently valid internationally recognised official test guidelines of VPAM* against shelling (BRV 2009) and blasting (ERV 2010).

www.bmw-special-sales.com

* VPAM is the association of test laboratories for attack-resistant materials and constructions.



BMW X5 PROTECTION VR6

In resistance class VR6 (BRV 2009), the BMW X5 Protection VR6 provides protection against the most widespread weapon in the world, the AK-47 assault rifle.

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BMW MOTORRAD MOTORCYCLES.

EXPERTISE FOR EVERY MISSION.

BMW Motorrad motorcycles impress with a sophisticated concept that meets the highest demands in terms of flexibility, agile handling, robust technology and dynamic appearance. Here, highly developed safety components (ABS series) are combined with first-class smoothness, long-distance comfort and extraordinary power potential

to form an exemplary synthesis, which is particularly important for work in the police, rescue and escort services. The specially developed rider's equipment for authorities rounds off the holistic concept from BMW Motorrad.



The **BMW F750GS-P** is the logical continuation of BMW Motorrad's legendary GS concept and impresses with its resilience and agility. Thanks to its low weight combined with high power and easy handling, the BMW F 750 GS-P is the ideal Authority Motorcycle for use in urban or rural areas.



The **BMW F850GS-P** is a reliable companion for everyday missions. Their robust design and strong power reserves as well as perfectly coordinated ergonomic properties make them a strong and functional vehicle on and off the road. These advantages are complemented by numerous safety functions and comfort aspects, which enable the rider to cope comfortably with missions that cover long distances or entail long days.



The **BMW R1250RT-P** is the superior all-rounder that sets itself apart with every task, be it police operations on the motorway or escort service in the city. Driven by the powerful and efficient BMW ShiftCam boxer engine, it offers ergonomic long-distance comfort as well as dynamism and agility. Thanks to a wide range of equipment options, it can be adapted to many specialised requirements and is therefore the Authority Vehicle for a wide range of requirements.

INNOVATIONS AND TECHNOLOGY. TECHNOLOGY AT THE HIGHEST LEVEL.

BMW TWIN POWER TURBO ENGINES.
The heart of BMW EfficientDynamics.

RUNNING GEAR.
The best foundation for greater comfort and driving dynamics.

BMW EFFICIENT DYNAMICS.
Less consumption. More driving pleasure.

BMW eDRIVE.
Confidently sustainable.

BMW CONNECTED DRIVE.
Connected to your world.



BMW TWIN POWER TURBO ENGINES.

THE HEART OF BMW EFFICIENT DYNAMICS.



BMW TwinPower Turbo petrol and diesel engines.

Thanks to BMW TwinPower Turbo technology, the innovative BMW petrol and diesel engines from the BMW EfficientDynamics engine family enable greater dynamic power delivery and excellent response characteristics even at low engine speeds. At the same time, they are particularly economical and low-emission. The increased efficiency and optimum dynamics guarantee noticeably more intense driving pleasure. The petrol engines make use of innovative turbo charger technology, the fully variable Valvetronic valve control incl. double VANOS

and direct high precision injection. Together, the highly developed components ensure tremendous performance with high efficiency. Turbochargers with variable turbine geometry are also used for the diesel engines. Combined with the latest generation common rail direct injection, this results in optimised combustion and makes a further contribution to reducing consumption and emissions.

BMW eDRIVE.

ELECTROMOBILITY FROM BMW.



WITH A CONSISTENT SUSTAINABILITY STRATEGY, THE BMW GROUP SETS NEW STANDARDS IN THE AUTOMOTIVE SECTOR.

For the BMW Group, the driving pleasure goes far beyond mobility. For us, the topic of sustainability is a core issue in which we do not compromise. On the contrary: we are moving into the future with a completely new and consistent strategy that not only goes far beyond our direct sphere of influence, but also takes the topic of sustainability to a whole new level.

Over the past years and decades, we have already set significant standards in the ecological balance sheet of our vehicles – starting with the resources used, through to energy consumption, to the recycling share. Over the next few years, we will continue to expand our extensive electrification strategy and offer 25 electrified models in 2023.

However, the goal of climate neutrality and zero-emission mobility can only be achieved through a variety of electrified drive technologies. Therefore, and in order to achieve even greater flexibility in terms of our customers' needs, we will continue to drive our commitment to the development of hydrogen fuel cells in a technology-neutral approach. We presented the BMW i Hydrogen NEXT concept at the IAA 2019. In the next step, we will present a small series of the BMW i Hydrogen NEXT in 2022. Step by step, we are embarking on new paths towards an environmentally friendly and emission-free future.

PLUG-IN HYBRIDS – THE BEST OF BOTH WORLDS.

With the combination of a petrol engine and an electric motor, BMW's plug-in hybrids guarantee maximum flexibility and are therefore perfectly suited to the individual requirements and needs of your everyday life. The expertise of the all-electric BMW eDrive technology of the BMW i sub brand enables purely electric ranges¹ up to 70 km (depending on the model) – making the electric and local emission-free drive ideally suited for urban traffic. On longer journeys or on motorways, you can still enjoy the range comfort of the combustion engine. Thanks to intelligent energy distribution, the BMW plug-in hybrid automatically switches between the drives as needed, thus guaranteeing maximum efficiency at all times. The continuously growing fleet of BMW plug-in hybrids.

100% ELECTRIC. 100% DRIVING PLEASURE. 100% BMW.

Did you know that as far back as the 1972 Summer Olympics in Munich, an all-electric BMW 1602e was used during the endurance races to drive in front of the athletes to film them and supply them with water if necessary? At the time, it was the ideal emission-free and noiseless companion that did not hinder the athletes' top performance. Today, almost five decades later, we have perfected this suitability and our know-how in the field of electrified mobility by continuously further developing the BMW eDrive technology and the BMW i sub brand.

2022 will be a special year for BMW Authority Vehicles in terms of electromobility, as we will be launching two fully electric BMW Authority Vehicles on the market!

RUNNING GEAR.

THE BEST FOUNDATION FOR GREATER COMFORT AND DRIVING DYNAMICS.



The intelligent **BMW xDrive all-wheel drive system** continuously and variably distributes the drive force to the front and rear wheels – for increased traction, driving dynamics, directional stability and driving safety in every traffic situation.

BMW's modern **front-wheel drive concept** combines active driving demands and comfort. The driven front axle is designed for the best possible driving dynamics and precise steering behaviour. The compact front-wheel drive design with transversely installed engines allows for a generous amount of space in the interior of this vehicle concept.

The optional **Integral Active Steering** combines variable active steering on the front axle with additional steering rear wheels via the speed. It offers greater manoeuvrability and agility in the lower speed range thanks to counter-steering on the rear axle. From around 60 km/h, the rear wheels steer in parallel to increase stability and comfort.

The lowered **Adaptive M suspension** combines driving dynamics with comfort and automatically adapts to the road condition and driving style.

Dynamic Stability Control (DSC) permanently records the driving condition and stabilises the vehicle via engine and brake management if unstable driving conditions become apparent. Other DSC functions include brake drying by applying the brake, brake standby and drive-off assistant, which holds the vehicle briefly when moving off on uphill gradients and thus prevents it from rolling backwards.

The **adaptive suspension** enables the damper characteristics to be adapted to the driving situation and combines driving comfort and driving dynamics with maximum safety. You can use Driving Experience Control to preselect the COMFORT default setting or SPORT mode.

The **Hill Descent Control** equipment of the xDrive models is a downhill control that, when activated, ensures that the vehicle can automatically and safely manage steep downhill stretches at a speed slightly higher than walking speed – without the driver having to brake.

Adaptive 2-axle air suspension enables particularly comfortable driving with high driving dynamics and facilitates entry and exit as well as loading. The air suspension automatically keeps the vehicle at a constant height regardless of the load. It can also be raised or lowered manually at the push of a button.

BMW EFFICIENTDYNAMICS.

LESS EMISSIONS. MORE DRIVING PLEASURE.

MORE STEAM, LESS THIRST.

More power from up to 12 cylinders: consume less, experience more – the BMW TwinPower Turbo engines offer the highest possible dynamics with the greatest possible efficiency thanks to the latest injection systems, variable powercontrol and sophisticated turbocharger technology. No matter whether diesel or petrol, no matter how many cylinders: the powerplants of the BMW EfficientDynamics engine family enable a much more temperamental power delivery as well as excellent response characteristics even at low engine speeds and are also economical and low-emission.

MORE DRIVING PLEASURE, LESS EMISSIONS.

BMW EfficientDynamics is a technology package that not only includes the drive, but also the entire vehicle concept and smart energy management. Available as standard in every BMW, a series of innovative technologies contributes to continuously increasing efficiency. Through engine efficiency measures, electrification, lightweight construction and aerodynamic optimisations, BMW has succeeded in significantly reducing the CO₂ emissions of its fleet.

MORE SPEED, LESS WEIGHT.

Less weight thanks to intelligent lightweight construction: sophisticated down to the smallest detail. Intelligent lightweight construction means that the most suitable material is selected for and installed at every location in the vehicle. With particularly lightweight high-tech materials such as aluminium or carbon, BMW Efficient Lightweight meets its goal of saving as much weight as possible. This makes the driving characteristics even more dynamic and increases the stability, safety and comfort of the vehicle.



48-VOLT MILD HYBRID TECHNOLOGY INCL. INTELLIGENT START/STOP FUNCTION

The 48-volt mild hybrid technology enables energy to be recovered when decelerating the vehicle, which is then used to help the combustion engine accelerate. This reduces consumption and emissions – with improved dynamics. Thanks to 48-volt mild hybrid technology, the Automatic Start/Stop function is even faster, more convenient and available in an extended speed range. During the deceleration phases (braking and coasting), the engine switches off in comfort mode from 15 km/h, enabling consumption- and emission-free coasting.

AERODYNAMICS

Through targeted aerodynamic measures, BMW optimises the drag coefficient and the efficiency as well as the acoustics in the interior. In addition, fuel consumption is reduced. The Active Air Stream kidney grille, air breather, air curtain on the front wheels and the aero wheels are targeted detailed measures to further reduce drag.

BMW DRIVER ASSISTANCE SYSTEMS AND BMW PERSONAL COPILOT.

BMW DRIVER ASSISTANCE SYSTEMS.

The innovative BMW driver assistance systems make your BMW even more intelligent. Feel well looked after: with BMW Personal CoPilot driver assistance at your side, you can experience the best comfort and the highest level of safety. Whether in terms of driving, parking or visibility, the BMW Personal CoPilot driver assistance systems are there to assist you reliably in any situation. State-of-the-art systems such as radar, ultrasound and cameras reliably capture the vehicle surroundings and form the basis of intelligent driver assistance systems. Whether activated on request or as an emergency assistant in the background – the BMW Personal CoPilot driver assistance systems make every journey with your BMW even more pleasant and safer.

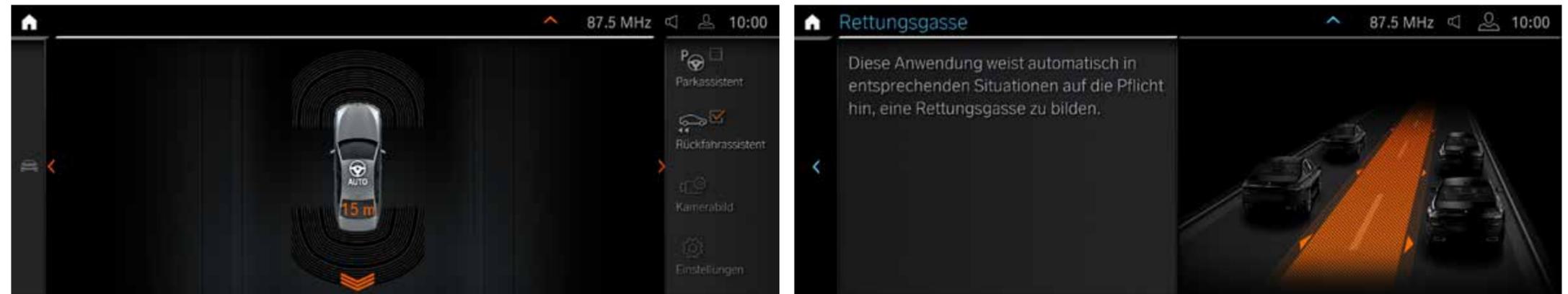


INTELLIGENT DRIVING.

The innovative functions of the Driving Assistant Professional assist you in your driving task. Up to a speed of 210 km/h, the Steering and Lane Control Assistant assists steering in tight spaces with active Cruise Control and guides the vehicle in the centre of the lane. Active Cruise Control with Stop&Go function maintains the desired speed and the set distance to the vehicle in front. The Speed Limit Assist system recognises road signs and automatically adapts the speed to the signage.

INTELLIGENT PARKING.

No more parking stress. Parking Assistant Plus makes parking and manoeuvring easy. The equipment includes the Surround View system, consisting of Top View, Panorama View and Remote 3D View, as well as the Parking and Reversing Assistant. At speeds of up to 35 km/h, the Reversing Assistant saves the last 50 m of an access route and automatically drives it if desired. Your BMW takes over the steering and you can focus on monitoring the vehicle surroundings – ideal for garage entrances or angled approaches.



DRIVER ASSISTANCE SYSTEMS ON TOUGH MISSIONS.

For these special topics, we work in an interdisciplinary manner with all the relevant internal specialist departments for BMW Authority Vehicles, as there is a lot to consider for our special customer group. Driver assistance systems are intended to prevent mission journeys from being hampered in any way. That's why all systems – except for those legally prescribed such as ABS – can be switched off with a simple press of the SARAH button in the centre of the cockpit. In this way, known scenarios such as "deliberate approach, special rights and rights of way with or without special signal" are taken into account.

A potential customised configuration can combine mission aspects and safety functions meaningfully by, for example, allowing comfort functions such as Active Cruise Control (ACC) to be activated in the event of a possible blue light convoy escort.



INTELLIGENT SAFETY.

Every time you drive, a variety of intelligent driver assistance systems are available to increase your safety. Lane Keeping Assistant with active side collision protection assists you through automatically corrective steering interventions if you are about to leave the lane. Collisions with vehicles approaching from the side are also avoided with this assistant. Front Collision Warning with brake intervention also prevents possible rear-end collisions, while the Evasion Assistant helps you in evasive manoeuvres in front of standing or moving obstacles. If the driver encounters a medical emergency, the Emergency Stop Assistant takes control of the vehicle in order to bring it safely to a stop at the lane edge.

BMW AUTHORITY VEHICLES.
GOOD GENES EX WORKS.





INTELLIGENT SOLUTIONS FOR AUTHORITY VEHICLES. UNMISTAKABLY BMW.

HOW ARE THE BMW AUTHORITY VEHICLES ACTUALLY MADE?

Based on many years of expertise in the construction of private vehicles, we have incorporated the development of BMW Authority Vehicles in BMW M GmbH. Here, we ensure that the development process of the Authority Vehicles takes place early on and in parallel to the respective model. An in-house team of engineers pools the in-depth knowledge developed over several decades in this special segment and works on the concept development, validation and industrialisation through to the start of production and subsequent support over the entire service life of the vehicle. In this way, we can guarantee that the special requirements of our customers are fundamentally and continuously taken into account and that the BMW Authority Vehicle is also available immediately at market launch.

WHAT ADVANTAGES DOES THIS OFFER THE CUSTOMER?

We have maintained a trusting relationship on an equal footing with our customers that spans several decades and are always in close contact with them. This enables us to offer tailor-made solutions that suit the respective requirements of the authorities or emergency services, be it paintwork, functional preparation or other customised technical retrofitting. This is to our mutual advantage because we can in turn incorporate the experience gained by police officers, firefighters or paramedics into the further development of our BMW Authority Vehicles. The result of this long-standing approach is that our customers always get exactly what they need for their daily work.

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Andreas Bezold

is a project manager for Authority Vehicles in the Development department of the BMW Group. With 10 years of experience in development and his in-depth understanding of the technology in this area, he knows exactly which high demands Authority Vehicles must meet.



Stephan Ley

is a product manager for Authority Vehicles. With more than 10 years of sales experience focusing on authorities, including five years in an international setting, he knows exactly how to give the necessary weight to customers' requirements in the "Authority Vehicles" project.

NOW NOT ALL EMERGENCY VEHICLES ARE AUTOMATICALLY THE SAME – EACH COUNTRY HAS DIFFERENT GUIDELINES. HOW DOES BMW HANDLE THIS?

BMW offers a wide range of vehicle models for this purpose in order to be able to offer every customer around the world the right vehicle. Our many years of experience and networking enable us to react quickly to the respective customer and market requirements at all times. With our highly integrated optional equipment ex works, the "good genes", we offer the best possible starting point for a country-specific conversion to an Authority Vehicle.

AND WHAT AWAITS US IN THE FUTURE?

One future topic is electrification. In the near future, in addition to plug-in hybrids, we will also offer fully electric BMW Authority Vehicles that are adapted to the specific requirements of our customers and adjusted accordingly. We are also focusing on driver assistance systems adapted to specific applications and digitalisation. In terms of development, we will therefore ensure that BMW Authority Vehicles will continue to prove themselves in tough missions in the future while incorporating modern driver assistance systems.

THE GOOD GENES FOR AUTHORITY VEHICLES.

HIGHLY INTEGRATED OPTIONAL EQUIPMENT EX WORKS.

THE GREATEST COMMON DENOMINATOR FOR A "SIMPLE" LOCAL CONVERSION INTO AN AUTHORITY VEHICLE WORLDWIDE.

The Good Genes – this is what we at BMW call all highly integrated optional equipment for Authority Vehicles ex works. They are developed together with the basic vehicle and optimally adapted to it. Installation takes place directly on the production line in BMW's plants – in the premium quality you would expect from BMW.

It is optional equipment that is aimed at the special requirements of our customers on all continents and thus define the greatest common denominator. Everything is designed in such a way that customers' special requests can be implemented very easily. BMW thus offers the optimum basis for a perfectly functioning and cost-effective upgrade by a conversion partner to a BMW Authority Vehicle – "plug and play", if you will!

In addition, we offer BMW accessory solutions specially tailored to Authority Vehicles, such as partition grilles, for own retrofitting via the BMW Retailer Organisation.

Authority Vehicle preparation.

This is how it all starts! The optional equipment includes an extended cable harness as a gateway to the vehicle. Furthermore, the largest possible battery and generator for this type is installed. An additional and discreetly installed loudspeaker in the instrument panel completes the offer.

Additional power supply.

Our "Authority Vehicle preparation" optional equipment for vehicles with combustion engines includes an auxiliary battery with 60 AH in the luggage compartment, which is connected via a cut-off relay. For plug-in hybrids, the functionality is the same, but there is no auxiliary battery, as the internal high-voltage battery is integrated via an intelligent power distribution box. The delivery specification also includes the authority control unit for straightforward connection of radio transceivers, special signal systems or accident data memories. It provides the necessary data in the internationally used CIA 447 protocol.



Reinforced brakes.

A larger brake adapted to the increased stress with corresponding cooling can deal with any critical situation – as you would expect from a BMW Authority Vehicle.

Adaptation to increased load.

In order to guarantee the proverbial driving pleasure even with permanently high loads, we offer the installation of stronger springs and dampers as part of the optional equipment. This option is particularly suitable if equipment with an additional weight of 40 kg to 180 kg is permanently carried in the luggage compartment as the basic equipment of Authority Vehicles – blue light, auxiliary battery, siren, radio or partition grille.

BMW CONNECTED DRIVE.

TELEMATICS WITH DATA PROTECTION ON BOARD.



ALL THE COMFORT, JUST UNDERCOVER.

BMW driver assistance systems, multimedia and telematics functions offer you the highest level of comfort, safety and entertainment. Deactivated localisation ensures anonymity and effectively protects you from being tracked.



WELL MANAGED ON MISSIONS.

Keep an overview of your fleet. BMW Fleet Management solutions provide you with information well in advance about maintenance intervals, the condition of wear parts and mileage. This allows you to optimise the use of your vehicles and manage capacities in a targeted manner by determining which data is transferred from the vehicles.



MISSION-SUPPORTING TELEMATICS.

The BMW ConnectedDrive functions provide distraction-free support even on demanding missions. A reduction to traffic telematics and networked safety functions, in conjunction with flexible app solutions such as the Emergency Lane Assistant, also assist you in special situations. In addition, the navigation system provides enhanced information such as points of interest.



CUSTOMISED TELEMATICS.

BMW ConnectedDrive – telematics with data protection on board. The use of networked telematics systems depends greatly on the specific purpose of the BMW Authority Vehicle. We would be pleased to provide you with information about the BMW ConnectedDrive systems and optimise them for your specific purpose with customised app solutions.

BMW Motorrad motorcycles		BMW F 750 GS-P	BMW F 850 GS-P	BMW R 1250 RT-P
Engine				
Cylinders/valves		2/4	2/4	2/4
Displacement	cc	853	853	1254
Nominal power	kW (hp)	57 (77)	70 (95)	100 (136)
Driving performance				
Maximum speed (depending on equipment)	km/h	190	> 200	> 200
Consumption				
Combined	l/100 km	4.2	4.2	4.75
Tank capacity, approx.	l	15	15	25
Tyres				
Front tyres		110/80 R 19	90/90 R 21	120/70 ZR 17
Rear tyres		150/70 R 17	150/70 R 17	180/55 ZR 17

BMW 1 Series		116i	118i	120i	128ti	M135i xDrive	116d	118d	120d 120d xDrive
Engine^{1,2}									
Cylinders/valves		3/4	3/4	4/4	4/4	4/4	3/4	4/4	4/4
Displacement	cc	1499	1499	1998	1998	1998	1496	1995	1995
Nominal power of BMW TwinPower Turbo engine	kW (hp)	80 (109)	100 (136)	131 (178) ¹⁰	195 (265)		85 (116)	100–110 (136–150)	140 (190)
Driving performance									
Maximum speed	km/h	200 (200)	213 (213)	[235]	[250] ⁴	–	200 (200)	218–211 (216)	[231]
Maximum speed (xDrive)	km/h	–	–	–	–	[250] ⁴	–	–	[230]
Acceleration 0–100 km/h	s	10.6 [10.6]	8.9 [8.8]	[7.0]	[6.1]	–	10.3 [10.1]	8.5–9.3 [8.4]	[7.3]
Acceleration 0–100 km/h (xDrive)	s	–	–	–	–	[4.8]	–	–	[7.0]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard									
Combined	l/100 km	6.5–5.7 [6.6–5.8]	6.5–5.7 [6.5–5.7]	[6.7–6.0]	[7.5–6.9]	–	5.2–4.5 [5.2–4.6]	5.2–4.6 [5.5–4.8]	[5.5–4.9]
Combined (xDrive)	l/100 km	–	–	–	–	[7.8–7.3]	–	–	[5.7–5.1]
CO ₂ emissions combined	g/km	148–129 [151–132]	147–129 [147–129]	[153–137]	[170–157]	–	136–118 [136–119]	137–120 [143–126]	[144–129]
CO ₂ emissions combined (xDrive)	g/km	–	–	–	–	[178–167]	–	–	[149–134]
Tank capacity, approx.	l	42	42	50	50	50	42	42	50
Wheels/tyres									
Tyre size		205/55 R16 W	205/55 R16 W	225/45 R17 Y	225/40 R18 Y	225/40 R18 Y	205/55 R16 W	205/55 R16 W	225/45 R17 Y
Wheel size		7J x 16	7J x 16	7.5J x 17	8J x 18	8 J x 18	7 J x 16	7 J x 16	7.5J x 17

BMW 2 Series Gran Tourer		216i	218i	220i	216d	218d 218d xDrive	220d 220d xDrive
Engine^{1,2}							
Cylinders/valves		3/4	3/4	4/4	3/4	4/4	4/4
Displacement	cc	1.499	1.499	1998	1496	1995	1995
Nominal power of BMW TwinPower Turbo engine	kW (hp)	80 (109)	100 (136)	131 (178)	85 (116)	100–110 (136–150)	140 (190)
Driving performance							
Maximum speed	km/h	188	205 (205)	[222]	192 (192)	198–207 [200–207]	[220]
Maximum speed (xDrive)	km/h	–	–	–	–	[205]	[218]
Acceleration 0–100 km/h	s	11.7	9.5 [9.6]	[7.5]	11.5 [11.5]	10.0–9.4 [10.0–9.4]	[8.0]
Acceleration 0–100 km/h (xDrive)	s	–	–	–	–	[9.4]	[7.8]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard							
Combined	l/100 km	6.8–6.2	6.6–6.2 [6.6–6.2]	[6.7–6.3]	5.2–4.9 [5.3–5.0]	5.4–5.1 [5.6–5.3]	[5.6–5.3]
Combined (xDrive)	l/100 km	–	–	–	–	[5.9–5.6]	[5.9–5.6]
CO ₂ emissions combined	g/km	156–141	150–140 [150–140]	[153–144]	137–128 [140–131]	142–134 [147–138]	[148–140]
CO ₂ emissions combined (xDrive)	g/km	–	–	–	–	[154–146]	[154–147]
Tank capacity, approx.	l	51	51	51	51	51	51
Wheels/tyres							
Tyre size		205/60 R16 W	205/60 R16 W	205/55 R17 W	205/60 R16 W	205/55 R17 W	205/55 R17 W
Wheel size		7 J x 16	7 J x 16	7.5 J x 17	7 J x 16	7.5 J x 17	7.5 J x 17

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since 1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW 3 Series Saloon		318i	320i 320i xDrive	330i 330i xDrive	M340i xDrive
Engine/motor^{1,2}					
Cylinders/valves		4/4	4/4	4/4	6/4
Displacement	cc	1998	1998	1998	2998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	115 (156)	135 (184)	190 (258)	275 (374)
Peak power of eDrive motor	kW (hp)	–	–	–	–
System power	kW (hp)	–	–	–	–
Driving performance					
Maximum speed	km/h	225 [223]	[235]	[250] ⁴	–
Maximum speed (xDrive)	km/h	–	[230]	[250] ⁴	[250] ⁴
Maximum electric speed	km/hs	–	–	–	–
Maximum electric speed (xDrive)	km/h	–	–	–	–
Acceleration 0–100 km/h	s	8.9 [8.4]	[7.1]	[5.9]	–
Acceleration 0–100 km/h (xDrive)	s	–	[7.6]	[5.6]	[4.4]
Electric range (EAER) ^{6,7}	km	–	–	–	–
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard					
Combined, PHEV weighted	l/100 km	– ³ [7.1–6.3]	[7.2–6.3]	[7.3–6.4]	–
Combined, PHEV weighted (xDrive)	l/100 km	–	[7.6–6.7]	[7.6–6.7]	[8.2–7.5]
CO ₂ emissions combined, PHEV weighted	g/km	– ³ [162–142]	[163–142]	[166–147]	–
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	[173–152]	[173–154]	[188–172]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–
Tank capacity, approx.	l	59	59	59	59
Wheels/tyres					
Tyre size		205/60 R16 W	205/60 R16 W	225/50 R17 Y	–
Tyre size (xDrive)		–	225/50 R17 Y	225/50 R17 Y	Front: 225/45 R 18 Y Rear: 255/40 R 18 Y
Wheel size		6.5J x 16	6.5J x 16	7.5J x 17	–
Wheel size (xDrive)		–	7.5J x 17	7.5J x 17	Front: 7.5J x 18 Rear: 8.5J x 18

BMW 3 Series Saloon		316d ⁹	318d	320d 320d xDrive	330d 330d xDrive	M340d xDrive	320e	330e 330e xDrive
Engine/motor^{1,2}								
Cylinders/valves		– ³	4/4	4/4	6/4	6/4	4/4	4/4
Displacement	cc	– ³	1995	1995	2993	2993	1998	1998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	– ³	100–110 [136–150]	120–140 [163–190]	210 (286)	250 (340)	120 (163)	135 (184)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	83 (113)	83 (113)
System power	kW (hp)	–	–	–	–	–	150 (204)	215 (292) ⁸
Driving performance								
Maximum speed	km/h	– ³	220–226 [218–224]	[235–240]	[250] ⁴	–	[225]	[230]
Maximum speed (xDrive)	km/h	–	–	[233]	[250] ⁴	[250] ⁴	–	[230]
Maximum electric speed	km/hs	–	–	–	–	–	[140]	[140]
Maximum electric speed (xDrive)	km/h	–	–	–	–	–	–	[140]
Acceleration 0–100 km/h	s	– ³	8.4 [8.2]	[7.6–6.8]	[5.3]	–	[7.6]	[5.8]
Acceleration 0–100 km/h (xDrive)	s	–	–	[6.8]	[5.0]	[4.6]	–	[5.8]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	[52–61]	[52–61]
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–	–	–	[51–60]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard								
Combined, PHEV weighted	l/100 km	– ³	5.6–4.8 [5.3–4.4]	[5.3–4.5]	[5.3–5.0]	–	[1.8–1.3]	[1.8–1.3]
Combined, PHEV weighted (xDrive)	l/100 km	–	–	[5.7–4.9]	[5.7–5.3]	[6.5–5.9]	–	[1.9–1.4]
CO ₂ emissions combined, PHEV weighted	g/km	– ³	146–125 [138–116]	[139–118]	[140–130]	–	[41–30]	[41–30]
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	–	[148–129]	[148–139]	[171–155]	–	[43–31]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	[18.2–16.1]	[18.6–16.5]
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–	–	–	[18.5–16.5]
Tank capacity, approx.	l	–	40	40	59	59	40	40
Wheels/tyres								
Tyre size		– ³	205/60 R16 W	205/60 R16 W	225/50 R17 Y	–	225/50 R17 Y	225/50 R17 Y
Tyre size (xDrive)		–	–	225/50 R17 Y	225/50 R17 Y	Front: 225/45 R 18 Y Rear: 255/40 R 18 Y	–	225/50 R17 Y
Wheel size		– ³	6.5J x 16	6.5J x 16	7.5J x 17	–	7.5J x 17	7.5J x 17
Wheel size (xDrive)		–	–	7.5J x 17	7.5J x 17	Front: 7.5J x 18 Rear: 8.5J x 18"	–	7.5J x 17

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since 1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW 3 Series Touring		318i	320i	330i 330i xDrive	M340i xDrive
Engine/motor^{1,2}					
Cylinders/valves		4/4	4/4	4/4	6/4
Displacement	cc	1998	1998	1998	2998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	115 (156)	135 (184)	190 (258)	275 (374)
Peak power of eDrive motor	kW (hp)	–	–	–	–
System power	kW (hp)	–	–	–	–
Driving performance					
Maximum speed	km/h	220 [220]	[230]	[250] ⁴	–
Maximum speed (xDrive)	km/h	–	–	[250] ⁴	[250] ⁴
Maximum electric speed	km/hs	–	–	–	–
Maximum electric speed (xDrive)	km/h	–	–	–	–
Acceleration 0–100 km/h	s	9.4 [8.7]	[7.5]	[6.0]	–
Acceleration 0–100 km/h (xDrive)	s	–	–	[5.9]	[4.6]
Electric range (EAER) ^{6,7}	km	–	–	–	–
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard					
Combined, PHEV weighted	l/100 km	– ³ [7.5–6.7]	[7.5–6.6]	[7.7–6.8]	–
Combined, PHEV weighted (xDrive)	l/100 km	–	–	[7.9–7.0]	[8.4–7.8]
CO ₂ emissions combined, PHEV weighted	g/km	– ³ [170–152]	[170–151]	[176–155]	–
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	–	[181–160]	[193–178]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–
Tank capacity, approx.	l	59	59	59	59
Wheels/tyres					
Tyre size		225/50 R17 Y	225/50 R17 Y	225/50 R17 Y	Front: 225/45 R 18 Y Rear: 255/40 R 18 Y
Wheel size		7.5J x 17	7.5J x 17	7.5J x 17	Front: 7.5J x 18 Rear: 8.5J x 18

BMW 3er Touring		316d ⁹	318d	320d 320d xDrive	330d 330d xDrive	M340d xDrive	320e 320e xDrive	330e 330e xDrive
Engine/motor^{1,2}								
Cylinders/valves		– ³	4/4	4/4	6/4	6/4	4/4	4/4
Displacement	cc	– ³	1995	1995	2993	2993	1998	1998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	– ³	100–110 (136–150)	120–140 (163–190)	210 (286)	250 (340)	120 (163)	135 (184)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	83 (113)	83 (113)
System power	kW (hp)	–	–	–	–	–	150 (204)	215 (292) ⁸
Driving performance								
Maximum speed	km/h	– ³	212–217 [210–215]	[224–230]	[250] ⁴	–	[220]	[230]
Maximum speed (xDrive)	km/h	–	–	[225]	[250] ⁴	[250] ⁴	[219]	[225]
Maximum electric speed	km/hs	–	–	–	–	–	[140]	[140]
Maximum electric speed (xDrive)	km/h	–	–	–	–	–	[140]	[140]
Acceleration 0–100 km/h	s	– ³	8.9–9.5 [8.7–9.3]	[7.9–7.1]	[5.5]	–	[7.9]	[5.9]
Acceleration 0–100 km/h (xDrive)	s	–	–	[7.4]	[5.2]	[4.8]	[8.2]	[5.9]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	[50–59]	[52–61]
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–	–	[47–57]	[48–57]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard								
Combined, PHEV weighted	l/100 km	– ³	5.8–5.1 [5.6–4.8]	[5.6–4.8]	[5.9–5.2]	–	[2.0–1.4]	[1.9–1.4]
Combined, PHEV weighted (xDrive)	l/100 km	–	–	[5.9–5.1]	[6.2–5.5]	[6.7–6.1]	[2.2–1.5]	[2.1–1.6]
CO ₂ emissions combined, PHEV weighted	g/km	– ³	153–132 [145–125]	[146–125]	[154–136]	–	[44–32]	[43–31]
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	–	[154–135]	[162–144]	[176–160]	[49–35]	[48–35]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	[18.7–16.7]	[18.4–16.2]
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–	–	[19.5–17.3]	[19.4–17.3]
Tank capacity, approx.	l	– ³	40	40	59	59	40	40
Wheels/tyres								
Tyre size		– ³	225/50 R17 Y	225/50 R17 Y	225/50 R17 Y	Front: 225/45 R 18 Y Rear: 255/40 R 18 Y	225/50 R17 Y	225/50 R17 Y
Wheel size		– ³	7.5J x 17	7.5J x 17	7.5J x 17	Front: 7.5J x 18 Rear: 8.5J x 18	7.5J x 17	7.5J x 17

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007. Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since 1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW 5 Series Saloon		520i	530i 530i xDrive	540i 540i xDrive	M550i xDrive	518d ⁹	520d 520d xDrive	530d 530d xDrive
Engine/motor^{1,2}								
Cylinders/valves		4/4	4/4	6/4	8/4	4/4	4/4	6/4
Displacement	cc	1998	1998	2998	4395	1995	1995	2993
Nominal power of BMW TwinPower Turbo engine	kW (hp)	120–135 (163–184)	185 (252)	245 (333)	390 (530)	100–110 (136–150)	120–140 (163–190)	183–210 (249–286)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	–	–
System power	kW (hp)	–	–	–	–	–	–	–
Driving performance								
Maximum speed	km/h	[226–235]	[250] ⁴	[250] ⁴	–	[212–220]	[223–235]	[250] ⁴
Maximum speed (xDrive)	km/h	–	[250] ⁴	[250] ⁴	[250] ⁴	–	[232]	[250] ⁴
Maximum electric speed	km/hs	–	–	–	–	–	–	–
Maximum electric speed (xDrive)	km/h	–	–	–	–	–	–	–
Acceleration 0–100 km/h	s	[8.6–7.9]	[6.4]	[5.2]	–	[9.4–8.8]	[8.2–7.2]	[5.8–5.6]
Acceleration 0–100 km/h (xDrive)	s	–	[6.3]	[4.9]	[3.8]	–	[7.2]	[5.6–5.4]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	–	–
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–	–	–	–
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard								
Combined, PHEV weighted	l/100 km	[6.9–6.1]	[7.0–6.3]	[7.7–7.0]	–	– ³	[5.5–4.7]	[5.8–5.1]
Combined, PHEV weighted (xDrive)	l/100 km	–	[7.3–6.6]	[8.2–7.5]	[11.0–10.3]	–	[5.8–5.0]	[6.1–5.4]
CO ₂ emissions combined, PHEV weighted	g/km	[156–140]	[159–142]	[177–160]	–	– ³	[145–124]	[152–133]
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	[167–151]	[186–170]	[250–235]	–	[151–130]	[161–140]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	– ³	–	–
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–	–	–	–
Tank capacity, approx.	l	68	68	68	68	66	66	66
Wheels/tyres								
Tyre size		225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	Front: 245/40 R19 Y Rear: 275/35 R19 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y
Wheel size		7.5 J x 17	7.5 J x 17	7.5 J x 17	Front: 8 J x 19 Rear: 9 J x 19	7.5 J x 17	7.5 J x 17	7.5 J x 17

BMW 5 Series Saloon		540d xDrive	520e	530e 530e xDrive	545e xDrive	Alpina B5 ⁹	Alpina D5s ⁹
Engine/motor^{1,2}							
Cylinders/valves		6/4	4/4	4/4	6/4	– ³	– ³
Displacement	cc	2993	1998	1998	2998	– ³	– ³
Nominal power of BMW TwinPower Turbo engine	kW (hp)	250 (340)	120 (163)	120–135 (163–184)	210 (286)	– ³	– ³
Peak power of eDrive motor	kW (hp)	–	80 (109)	80 (109)	80 (109)	– ³	– ³
System power	kW (hp)	–	150 (204)	200–215 (272–292)	290 (394)	– ³	– ³
Driving performance							
Maximum speed	km/h	–	[225]	[235]	–	– ³	– ³
Maximum speed (xDrive)	km/h	[250] ⁴	–	[230–220]	[250] ⁴	– ³	– ³
Maximum electric speed	km/hs	–	[140]	[140]	–	– ³	– ³
Maximum electric speed (xDrive)	km/h	–	–	[140]	[140]	– ³	– ³
Acceleration 0–100 km/h	s	–	[7.5]	[5.9]	–	– ³	– ³
Acceleration 0–100 km/h (xDrive)	s	[4.6]	–	[6.4–5.9]	[4.6]	– ³	– ³
Electric range (EAER) ^{6,7}	km	–	[53–61]	[53–61]	–	– ³	– ³
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	[47–55]	[47–57]	– ³	– ³
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard							
Combined, PHEV weighted	l/100 km	–	[1.8–1.3]	[1.8–1.3]	–	– ³	– ³
Combined, PHEV weighted (xDrive)	l/100 km	[6.4–5.5]	–	[2.2–1.6]	[2.2–1.6]	– ³	– ³
CO ₂ emissions combined, PHEV weighted	g/km	–	[42–30]	[42–30]	–	– ³	– ³
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	[167–145]	–	[49–35]	[51–37]	– ³	– ³
Power consumption (ECAC weighted)	kWh/100 km	–	[18.2–16.3]	[18.3–16.2]	–	– ³	– ³
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	[19.4–17.4]	[19.2–17.2]	– ³	– ³
Tank capacity, approx.	l	66	46	46	46	– ³	– ³
Wheels/tyres							
Tyre size		225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	– ³	– ³
Wheel size		7.5 J x 17	7.5 J x 17	7.5 J x 17	7.5 J x 17	– ³	– ³

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since

1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW 5 Series Touring		520i	530i 530i xDrive	540i xDrive	518d ⁹	520d 520d xDrive	530d 530d xDrive	540d xDrive
Engine/motor^{1,2}								
Cylinders/valves		4/4	4/4	6/4	4/4	4/4	6/4	6/4
Displacement	cc	1998	1998	2998	1995	1995	2993	2993
Nominal power of BMW TwinPower Turbo engine	kW (hp)	120–135 (163–184)	185 (252)	245 (333)	100–110 (136–150)	120–140 (163–190)	183–210 (249–286)	250 (340)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	–	–
System power	kW (hp)	–	–	–	–	–	–	–
Driving performance								
Maximum speed	km/h	[217–225]	[250] ⁴	–	[204–212]	[218–225]	[250] ⁴	–
Maximum speed (xDrive)	km/h	–	[250] ⁴	[250] ⁴	–	[222]	[250] ⁴	[250] ⁴
Maximum electric speed	km/hs	–	–	–	–	–	–	–
Maximum electric speed (xDrive)	km/h	–	–	–	–	–	–	–
Acceleration 0–100 km/h	s	[9.0–8.3]	[6.7]	–	[9.8–9.2]	[8.6–7.6]	[5.9–5.7]	–
Acceleration 0–100 km/h (xDrive)	s	–	[6.6]	[5.2]	–	[7.6]	[5.8–5.6]	[4.8]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	–	–
Electric range (EAER) (xDrive) ^{6,7}	km	–	–	–	–	–	–	–
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard								
Combined, PHEV weighted	l/100 km	[7.3–6.6]	[7.3–6.5]	–	– ³	[5.8–5.0]	[6.0–5.4]	–
Combined, PHEV weighted (xDrive)	l/100 km	–	[7.8–7.0]	[8.4–7.7]	–	[6.0–5.3]	[6.5–5.8]	[6.6–5.8]
CO ₂ emissions combined, PHEV weighted	g/km	[167–150]	[166–148]	–	– ³	[151–132]	[157–141]	–
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	[177–160]	[192–177]	–	[157–138]	[169–151]	[172–153]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	–	–
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–	–	–	–
Tank capacity, approx.	l	68	68	68	66	66	66	66
Wheels/tyres								
Tyre size		225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y	225/55 R17 Y
Wheel size		7.5 J x 17	7.5 J x 17	7.5 J x 17	7.5 J x 17	7.5 J x 17	7.5 J x 17	7.5 J x 17

BMW 5 Series Touring		520e	530e 530e xDrive	BMW Alpina B5 ⁹	BMW Alpina D5s ⁹
Engine/motor^{1,2}					
Cylinders/valves		4/4	4/4	– ³	– ³
Displacement	cc	1998	1998	– ³	– ³
Nominal power of BMW TwinPower Turbo engine	kW (hp)	120 (163)	120–135 (163–184)	– ³	– ³
Peak power of eDrive motor	kW (hp)	80 (109)	80 (109)	– ³	– ³
System power	kW (hp)	150 (204)	200–215 (272–292)	– ³	– ³
Driving performance					
Maximum speed	km/h	[218]	[225]	– ³	– ³
Maximum speed (xDrive)	km/h	–	[217–225]	– ³	– ³
Maximum electric speed	km/hs	[140]	[140]	– ³	– ³
Maximum electric speed (xDrive)	km/h	–	[140]	– ³	– ³
Acceleration 0–100 km/h	s	[8.2]	[6.1]	– ³	– ³
Acceleration 0–100 km/h (xDrive)	s	–	[6.6–6.1]	– ³	– ³
Electric range (EAER) ^{6,7}	km	[52–57]	[51–57]	– ³	– ³
Electric range (EAER) (xDrive) ^{6,7}	km	–	[47–53]	– ³	– ³
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard					
Combined, PHEV weighted	l/100 km	[1.9–1.5]	[1.9–1.5]	– ³	– ³
Combined, PHEV weighted (xDrive)	l/100 km	–	[2.3–1.8]	– ³	– ³
CO ₂ emissions combined, PHEV weighted	g/km	[44–35]	[44–35]	– ³	– ³
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	–	[52–41]	– ³	– ³
Power consumption (ECAC weighted)	kWh/100 km	[18.6–17.0]	[18.6–17.1]	– ³	– ³
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	[20.1–18.5]	– ³	– ³
Tank capacity, approx.	l	46	46	– ³	– ³
Wheels/tyres					
Tyre size		245/45 R18 Y	245/45 R18 Y	– ³	– ³
Wheel size		8 J x 18	8 J x 18	– ³	– ³

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since

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³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW 7 Series		740i 740Li 740Li xDrive	750i xDrive 750Li xDrive	M760Li xDrive ⁹	730d 730Ld 730d xDrive 730Ld xDrive	740d xDrive 740Ld xDrive	745e 745Le 745Le xDrive
Engine/motor^{1,2}							
Cylinders/valves		6/4	8/4	– ³	6/4	6/4	6/4
Displacement	cc	2998	4395	– ³	2993	2993	2998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	245 (333)	390 (530)	– ³	210 (286)	250 (340)	210 (286)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	83 (113)
System power	kW (hp)	–	–	–	–	–	290 (394) ⁵
Driving performance							
Maximum speed	km/h	[250] ⁴ [250] ⁴	–	–	[250] ⁴ [250] ⁴	–	[250] ⁴ [250] ⁴
Maximum speed (xDrive)	km/h	[250] ⁴	[250] ⁴ [250] ⁴	– ³	[239–250] ⁴ [250] ⁴	[250] ⁴ [250] ⁴	[250] ⁴
Maximum electric speed	km/hs	–	–	–	–	–	[140] ⁴ [140] ⁴
Maximum electric speed (xDrive)	km/h	–	–	–	–	–	[140] ⁴
Acceleration 0–100 km/h	s	[5.5] [5.6]	–	–	[5.9] [6.0]	–	[5.2] [5.3]
Acceleration 0–100 km/h (xDrive)	s	[5.1]	[4.0] [4.1]	– ³	[7.1–5.6] [5.7]	[5.0] [5.1]	[5.1]
Electric range [EAER] ^{6,7}	km	–	–	–	–	–	[49–56] [47–55]
Electric range [EAER] (xDrive) ^{6,7}	km	–	–	–	–	–	[45–50]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard							
Combined, PHEV weighted	l/100 km	[–] ³ [–] ³	–	–	[6.2–5.5] [6.3–5.5]	–	[2.2–1.8] [2.3–1.8]
Combined, PHEV weighted (xDrive)	l/100 km	[–] ³	[10.9–10.5] [11.0–10.6]	– ³	[6.6–5.9] [6.7–5.9]	[6.6–6.0] [6.7–6.1]	[2.5–2.1]
CO ₂ emissions combined, PHEV weighted	g/km	[–] ³ [–] ³	–	–	[163–143] [165–145]	–	[49–41] [52–41]
CO ₂ emissions combined, PHEV weighted (xDrive)	g/km	[–] ³	[249–239] [252–241]	– ³	[173–154] [175–156]	[174–158] [176–159]	[56–49]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	[19.0–17.9] [19.2–18.1]
Power consumption (ECAC weighted) (xDrive)	kWh/100 km	–	–	–	–	–	[20.1–18.8]
Tank capacity, approx.	l	78	78	– ³	78	78	46
Wheels/tyres							
Tyre size		225/60 R17 Y	245/45 R19 Y	– ³	225/60 R17 Y	245/50 R18 Y	245/50 R18 Y
Wheel size		7.5J x 17	8.5J x 19	– ³	7.5J x 17	8J x 18	8J x 18

BMW X1		sDrive18i	sDrive20i	xDrive20i	sDrive16d
Engine^{1,2}					
Cylinders/valves		3/4	4/4	4/4	3/4
Displacement	cc	1499	1998	1998	1496
Nominal power of BMW TwinPower Turbo engine	kW (hp)	100 (136)	131 (178)	131 (178)	85 (116)
Driving performance					
Maximum speed	km/h	205 [203]	[226]	[223]	190 [190]
Acceleration 0–100 km/h	s	9.7 [9.7]	[7.6]	[7.3]	11.5 [11.5]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard					
Combined	l/100 km	7.0–6.1 [7.1–6.3]	[7.3–6.5]	[7.7–6.9]	– ³ [– ³]
CO ₂ emissions combined	g/km	158–139 [162–144]	[165–147]	[175–158]	– ³ [– ³]
Tank capacity, approx.	l	51	51	61	51
Wheels/tyres					
Tyre size		225/55 R17 W	225/55 R17 W	225/55 R17 W	225/55 R17 W
Wheel size		7.5J x 17	7.5J x 17	7.5J x 17	7.5J x 17

BMW X1		sDrive18d	xDrive18d	sDrive20d	xDrive20d	xDrive25d
Engine^{1,2}						
Cylinders/valves		4/4	4/4	4/4	4/4	4/4
Displacement	cc	1995	1995	1995	1995	1995
Nominal power of BMW TwinPower Turbo engine	kW (hp)	100–110 (136–150)	100–110 (136–150)	140 (190)	120–140 (163–190)	170 (231)
Driving performance						
Maximum speed	km/h	200–205 [200–205]	197–204 [197–204]	[222]	[211–219]	[235]
Acceleration 0–100 km/h	s	10.0–9.3 [10.1–9.4]	10.0–9.3 [10.2–9.4]	[7.9]	[8.7–7.8]	[6.6]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard						
Combined	l/100 km	5.6–4.9 [5.8–5.2]	6.0–5.4 [6.1–5.4]	[5.8–5.2]	[6.2–5.4]	[6.3–5.7]
CO ₂ emissions combined	g/km	145–128 [151–135]	158–141 [159–142]	[152–136]	[164–142]	[166–149]
Tank capacity, approx.	l	51	51	51	51	51
Wheels/tyres						
Tyre size		225/55 R17 W	225/55 R17 W	225/55 R17 W	225/55 R17 W	225/55 R17 W
Wheel size		7.5J x 17	7.5J x 17	7.5J x 17	7.5J x 17	7.5J x 17

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since 1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

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⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).

BMW X3		xDrive20i	xDrive30i	M40i	sDrive18d	xDrive20d	xDrive30d	M40d	xDrive30e
Engine/motor^{1,2}									
Cylinders/valves		4/4	4/4	6/4	4/4	4/4	6/4	6/4	4/4
Displacement	cc	1998	1998	2998	1995	1995	2993	2993	1998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	135 (184)	180 (245)	265 (360)	100–110 (136–150)	120–140 (163–190)	183–210 (249–286)	250 (340)	120–135 (163–184)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	–	–	80 (109)
System power	kW (hp)	–	–	–	–	–	–	–	215 (292)
Driving performance									
Maximum speed	km/h	[215]	[235]	[250] ⁴	[193–198]	[205–213]	[235–245]	[250] ⁴	[205–210]
Maximum electric speed	km/h	–	–	–	–	–	–	–	[135]
Acceleration 0–100 km/h	s	[8.4]	[6.6]	[4.9]	[10.3–9.4]	[9.0–7.9]	[5.9–5.7]	[4.9]	[6.4–6.1]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	–	–	[42–50]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard									
Combined, PHEV weighted	l/100 km	[8.5–7.6]	[8.5–7.6]	[9.5–8.7]	[6.5–5.6]	[6.6–5.8]	[7.0–6.2]	[7.3–6.6]	[2.6–2.0]
CO ₂ emissions combined, PHEV weighted	g/km	[192–172]	[194–173]	[217–199]	[169–147]	[172–151]	[184–162]	[173–192]	[59–45]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	–	–	[20.5–18.9]
Tank capacity, approx.	l	65	65	65	68	68	68	68	50
Wheels/tyres									
Tyre size		225/60 R18 W XL	225/60 R18 W XL	Front: 245/45 R20 W XL Rear: 275/40 R20 W XL	225/60 R18 W XL	225/60 R18 W XL	225/60 R18 W XL	Front: 245/45 R20 W XL Rear: 275/40 R20 W XL	225/60 R18 W XL
Wheel size		7J x 18	7J x 18	Front: 8J x 20 Rear: 9.5J x 20	7J x 18	7J x 18	7J x 18	Front: 8J x 20 Rear: 9.5J x 20	7J x 18

BMW X5		xDrive40i	M50i	xDrive25d	xDrive30d	xDrive40d	xDrive45e
Engine/motor^{1,2}							
Cylinders/valves		6/4	8/4	4/4	6/4	6/4	6/4
Displacement	cc	2998	4395	1995	2993	2993	2998
Nominal power of BMW TwinPower Turbo engine	kW (hp)	245 (333)	390 (530)	155–170 (211–231)	183–210 (249–286)	250 (340)/4400	155–210 (211–286)
Peak power of eDrive motor	kW (hp)	–	–	–	–	–	83 (113)
System power	kW (hp)	–	–	–	–	–	235–290 (320–394)
Driving performance							
Maximum speed	km/h	[243]	[250] ⁴	[216–222]	[225–235]	[245]	[205–235]
Maximum electric speed	km/h	–	–	–	–	–	[135]
Acceleration 0–100 km/h	s	[5.9–5.7]	[4.3]	[9.0–7.5]	[7.4–6.1]	[5.6–5.5]	[6.6–5.6]
Electric range (EAER) ^{6,7}	km	–	–	–	–	–	[78–88]
Consumption^{1,2} – all engines comply with the EU6 exhaust emission standard							
Combined, PHEV weighted	l/100 km	[10.6–8.9]	[12.3–11.5]	[8.5–7.1]	[8.0–6.6]	[8.1–6.8]	[1.7–1.2]
CO ₂ emissions combined, PHEV weighted	g/km	[243–203]	[281–263]	[222–186]	[209–173]	[212–179]	[39–27]
Power consumption (ECAC weighted)	kWh/100 km	–	–	–	–	–	[27.7–24.3]
Tankinhalt, ca.	l	83	83	80	80	80	69
Wheels/tyres							
Tyre size		255/55 R18 W	Front: 275/40 R21 Y Rear: 315/35 R21 Y	255/55 R18 W	255/55 R18 W	255/55 R18 W	265/50 R19 W
Wheel size		8.5J x 18	Front: 9.5J x 21 Rear: 10.5J x 21	8.5J x 18	8.5J x 18	8.5J x 18	9J x 19

Values in [] apply to vehicles with Steptronic transmission.

¹ Power specifications for petrol engines relate to use of RON 98 fuel. Information on consumption refers to use of reference fuel in accordance with European Regulation (EC) 715/2007.

Unleaded RON 91 and higher fuel grades with a maximum ethanol content of 10% (E10) are permitted. BMW recommends the use of unleaded premium grade fuel RON 95.

² Official data for fuel consumption, CO₂ emissions, power consumption and electric range was determined in accordance with the prescribed measurement procedure and corresponds to European Regulation (EC) 715/2007 in the applicable version. For ranges, data determined as per WLTP takes into account any optional equipment. For vehicles that have been newly type approved since

1 January 2021, only the official data according to WLTP exists. For more information about NEDC and WLTP measuring procedures visit www.bmw.com/wltp

³ Preliminary values; missing values were not available at the editorial deadline.

⁴ Electronically limited.

⁵ In Sport mode.

⁶ Range depends on various factors, in particular: personal driving style, road conditions, ambient temperature, heating/air conditioning, pre-temperature setting.

⁷ EAER (equivalent all-electric range).

⁸ 135 kW (184 hp) engine driven + up to 83 kW (113 hp) electric drive

⁹ This engine version is not available in all countries. For further information, please contact your local BMW partner.

¹⁰ Depending on the ambient conditions, temporary peak power, which is approx. 10% above nominal power, is provided.

The duration of peak power increases with decreasing ambient temperature (at +25°C approx. 5 s, at -20°C approx. 40 s).



This catalogue reflects models, equipment ranges and configuration options (standard equipment and optional equipment) of vehicles supplied by BMW AG for the German market. In other Member States of the European Union there may be deviations from the equipment ranges and configuration options described in this brochure with regard to standard and optional equipment for the individual models. Please contact your local BMW partner to find out about the different national-market versions offered. We reserve the right to make changes to designs and equipment.

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