

Media Information

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The All-New 2024 BMW 5 Series.

- **For the first time ever, the iconic BMW 5 Series is available fully-electric.**
- **BMW i5 M60 xDrive: 593 hp, 0-100 km/h in 3.8 seconds, estimated 412 km range.**
- **Highway Assistant allows attentive hands-free driving at up to 130 km/h.**
- **World-first Active Lane Change with eye activation.**

Richmond Hill, ON. More dynamic than ever, featuring a wealth of digital innovations and, for the first time ever, available fully electric - this is the new BMW 5 Series. In the form of the all-electric BMW i5, the latest edition of the celebrated BMW 5 Series takes the lead on the road to sustainable premium mobility. The eighth generation of the BMW 5 Series continues to stand for advanced technology combined with sporty, elegant design, and the performance and comfort only a BMW can deliver.

The global market launch of the new BMW 5 Series will begin in October 2023. The new generation will be offered worldwide with an all-electric drivetrain, while the flexible architecture also accommodates highly efficient internal combustion engines with 48-volt mild hybrid technology and, coming to the Canada in 2024, plug-in hybrid system.

The segment benchmark continues a long success story.

The success story of the BMW 5 Series dates back to 1972, when the first generation of the sporty and elegant four-door sedan was presented. Since then, the worldwide popularity of the BMW 5 Series has steadily increased. With its unmistakable combination of dynamic performance and high level of long-distance comfort, it became the epitome of

the business sedan. By the spring of 2023, more than ten million BMW 5 Series had been produced.

Base MSRPs of models available at launch are as follows:

- 530i xDrive \$70,500
- i5 M60 xDrive \$95,000

Traditional production site celebrates anniversary.

Like all previous generations, the new BMW 5 Series is manufactured at Plant Dingolfing, BMW's largest European plant, which is celebrating its 50th anniversary. In 1973, the first vehicle manufactured at this location was a first-generation E12 5 Series. Today, the BMW Group plant in Dingolfing is not only the lead plant for BMW's luxury class vehicles, but also the location of the company's e-drive production competence centre, which produces both the electric motors and the highvoltage batteries for the BMW i5 on site.

Sporty, elegant sedan at the heart of the brand portfolio.

The exterior design of the new generation reinterprets the sporty elegance of a BMW 5 Series in the brand's current design language. With its distinctive appearance, the new BMW 5 Series is right at the centre of the brand's portfolio of four-door models - more present and elegant than the 3 Series, more dynamic and sporty than the 7 Series.

The heightened presence of the new BMW 5 Series is underscored by the athletic proportions and the larger exterior dimensions compared to the previous generation. The new model has grown in length by 86 mm to 5060, in width by 33 mm to 1900 and in height by 35 mm to 1515. The wheelbase has been increased by 20 mm to 2995 and improves seating comfort, especially in the rear.

Modern front design with nearly vertical daytime driving light icons and optional Illuminated Kidney Grille.

The front view of the new BMW 5 Series Sedan is characterized by a modern interpretation of the brand's signature twin headlights and BMW kidney grille. The LED headlights show the traditional four-lamp face in a modern, minimalist form. Two nearly vertical LED elements positioned towards the outside function as daytime running lights and turn signals.

The BMW kidney grille, stylistically inspired by the so-called "Sharknose" of early 5 Series generations and projecting far forward, functions as the visual centre at the front. All the lines of the front apron and the long hood, which connects directly to the kidney grille frame, run towards the front fascia. With its wide surround and optional illuminated contour line, the BMW kidney grille gives the front view a distinctively sporty appeal.

Sporty silhouette and dynamically stretched proportions.

The clear and simplified design language is also expressed in the side view of the new BMW 5 Series. Its dynamically elongated proportions, long hood, and almost upright BMW kidney grille are clearly visible from this perspective. The sporty character of the three-box design is also expressed in the steeply sloping A-pillar, the gently flowing roof line towards the rear, and the gradually sloping trunk line.

The side section has a pronounced athletic look thanks to a high shoulder line, powerfully modelled surfaces, and two distinct character lines. Black side skirts provide a graphic contrast to the rest of the bodywork, visually slimming the vehicle in profile. The door handles are flush with the surrounding surfaces. The Hofmeister kink is elegantly highlighted by a graphic element with the number '5' embossed on the side window surround.

Powerful rear end with expressively designed lighting.

At the transition to the rear, the shoulder and roof lines flow harmoniously into the contours of the lights, where horizontal lines emphasize the width and solid stature of the rear view.

The flat rear lights interpret the brand's hallmark L-shaped lights with modern appeal. Inside, four narrow LED strips aligned horizontally handle lighting functions. They are divided by an L-shaped chrome strip.

Wide range of paintwork, BMW i5 M60 xDrive and M Sport Package with specific design features.

The range of exterior paint colours includes one solid finish, nine metallic finishes, and three BMW Individual paint finishes including Tanzanite Blue and two expressive Frozen paint finishes.

Individual design features give the BMW i5 M60 xDrive a striking look, which emphasize its dynamic performance. A front apron with black surfaces at its centre and large air intakes, a grille featuring horizontal slats and M logo, side skirts and exterior mirror caps finished in high-gloss black, 19-inch M light alloy wheels and a rear apron with a pronounced diffuser insert signal the M Performance model's sporty character.

The M Sport Package is standard on the 530i xDrive, and highlights 5 Series' athleticism. It also includes M specific design features, most notably the large air intakes at the front, flared side skirts and window surrounds in high-gloss black and a rear apron with diffuser insert, as well as 19-inch M light alloy wheels.

The available M Sport Pro Package, optional on all 5 Series models, adds the Illuminated Kidney Grille framed in high-gloss black, Shadowline Headlights, and a Black Sapphire Metallic finish on the rear spoiler. Specifying the M Sport Pro Package also allows the option of red calipers for the as standard M Sport Brakes.

Interior and Equipment. Driving pleasure and travel comfort combined with innovative flair.

The new BMW 5 Series offers ideal conditions for enjoying BMW driving pleasure in everyday traffic and a high level of comfort on long-distance journeys. Generous space, modern functionality, a high level of acoustic comfort as well as high-quality materials, fine workmanship, and advanced digital services characterize the ambience in the interior. The clear and modern design of the interior, sporty flair and innovative equipment features, designed to optimize travelling comfort, underline the vehicle's character as a dynamic business sedan for the digital age.

The fully digital BMW Curved Display, which reinterprets the brand's typical orientation towards the driver, represents the heart of the interior redesign. Other innovations include the BMW Interaction Bar with ambient lighting in the instrument panel and door area (standard on the i5 M60 xDrive, optional on the 530i xDrive), My Modes for a customizable driving and interior experience, and the new gear selector switch on the centre console control panel. With the significantly expanded level of standard equipment compared to the predecessor model and a new structure in the range of options, comfort and individuality are raised to a higher level.

Fully digital BMW Curved Display with new graphic display and optimized touch operation thanks to BMW Operating System 8.5 with QuickSelect.

With its frameless glass surface slightly inclined towards the driver, the BMW Curved Display consists of a 12.3-inch Information Display behind the steering wheel and a 14.9-inch Control Display, which merge into a single fully digital and highresolution unit. The BMW Curved Display is the central component of the multi-sensory BMW iDrive experience, which in its latest generation based on BMW Operating System 8.5 also offers a new graphic display with a clear start screen and QuickSelect access for simple and intuitive touch operation.

The control system is designed to be operated primarily by means of the touch screen and natural language, but also includes steering wheel buttons and the BMW iDrive Controller on the centre console. The BMW Head-Up Display and BMW Gesture Control for controlling functions using gestures are available as optional equipment. The advances in

digitalization that accompany the development of the BMW iDrive make it possible to significantly reduce the number of buttons, knobs and controls used in the cockpit. They continue to be used where they are the ideal solution for fast and intuitive operation.

The new BMW Operating System 8.5 start screen permanently shows the map view of the navigation system or other individually configurable displays. On the same level, vertically arranged widgets are available on the driver's side of the BMW Control Display. Users can switch between the widgets by swiping vertically. To display different content, horizontal swiping is also possible within some widgets, for example in the "My Vehicle" area.

The corresponding functions can be called up directly with QuickSelect without switching to a submenu. Once the settings have been made, it is sufficient to tap the Home symbol at the bottom of the display to return to the start screen. In addition to the Home symbol, there are now also the symbols for direct access to the climate control menu, the All Apps menu, Navigation as well as Media, Communication, and Apple CarPlay ® and Android Auto ™.

In addition, BMW Operating System 8.5 in the new BMW 5 Series offers a wider range of digital content for information and entertainment, faster update cycles for functions, improved information on charging points for electric vehicles and optimized access to many specific online services. A broad range of video streaming is possible on the Control Display, as is an innovative form of in-car gaming presented for the first time in the new BMW 5 Series with the AirConsole platform.

In-car gaming with AirConsole premieres in the new BMW 5 Series.

In a cooperation with the gaming platform AirConsole, BMW presents a new and unique form of in-car gaming in the new BMW 5 Series. Driver and passengers can play casual games while the vehicle is stationary, for example to occupy waiting times while charging the high-voltage battery of the BMW i5.

Setting up the gaming experience with AirConsole is seamless. Players only need their smartphone, which acts as a controller, and the BMW Curved Display. After launching the AirConsole app in the vehicle, the connection between the smartphone and the vehicle can be established by scanning a QR code on the Curved Display. The players can then start playing right away.

AirConsole technology enables instant delivery of games over-the-air and players can control them via their smartphones. Thanks to this unique configuration, several players can take part in the in-car gaming fun at the same time, even passengers in the rear. It is possible to play solo or with all passengers in the vehicle, either together or in competition mode.

So-called casual games are offered, which are characterized by being easily accessible and providing intuitive gameplay control. The portfolio of available games is being continuously expanded.

BMW Interaction Bar with touch function and lighting effects.

The BMW Interaction Bar combines modern functionality and fascinating design. It was first presented in the new BMW 7 Series and is now standard in the BMW i5 M60 xDrive and available as an option in the new BMW 530i xDrive. The striking backlit functional unit with crystalline surface structure extends below the trim strip across the entire width of the instrument panel for into the door panels and includes touch-sensitive control panels for controlling ventilation and air conditioning and for activating the hazard warning lights. The BMW Interaction Bar's lighting design follows the colours of the selected My Modes, or can be customized.

Available fully leather-free interior.

The seats in the new BMW 5 Series Sedan have been redesigned for a noticeable increase in comfort and optimal adjustment. Sport seats are standard equipment. Multi-contour Comfort Seats are available on both the 530i xDrive and i5 M60 xDrive.

The backrests of the outer rear seats extend far into the door areas, especially in the shoulder area, increasing seating comfort in back. The flowing transition between the instrument panel at the front and the backrests in the rear to the door panels harmoniously encloses the entire passenger compartment. The folding rear seat backrest is split 40:20:40. The three elements can be folded down individually or together to create additional space for long pieces of cargo. The luggage compartment of the new BMW i5 offers 490 litres of storage, while the 530i xDrive each provide 520 litres.

The new BMW 5 Series may be fitted with a fully leather-free interior. Leather-like, perforated Veganza is used on the seats as well as the dashboard and door panels and, for the first time, the steering wheel. Merino leather upholstery in several bicolour variants remains an option.

The M Sport Package for the new BMW 5 Series includes exclusive seat surfaces in Veganza/Alcantara finish with unique perforation in the shoulder area and translucent accents in red and blue. M pedals, an M driver's footrest, and M-specific displays on the Information Display add to the sporty environment.

Climate control with almost invisible vents, heat pump technology in the BMW i5.

The standard equipment of the new BMW 5 Series Sedan includes automatic air conditioning with an extended range of features and advanced control logic. In the instrument panel area, seam vents are used instead of conventional air vents and are positioned at the height of the BMW Interaction Bar. The direction of the air coming out of the vents can be varied by means of adjusting control levers. In addition, air conditioning and ventilation are controlled via the touch function on the control display.

Fixed panoramic glass roof with significantly enlarged viewing area.

A Panoramic Glass Sunroof can be ordered in place of the standard slid-and-tilt glass sunroof for the first time in any BMW 5 Series sedan. It is designed as a fixed structural module, and connects almost the entire roof surface; extending uninterrupted from just behind the windscreen to almost the rear window. With a length of 841 mm and a width of 818 mm, the viewing area is almost 90 percent larger than that of the standard tilt-and-slide moonroof. This creates a generously light-flooded atmosphere in the interior. If required, an interior sunblind can provide shading of the interior.

Drive and charging technology. Dazzling performance and outstanding efficiency.

A flexibly designed drive architecture that was open to different technologies from the outset enables the new BMW 5 Series Sedan to be offered for the first time both as an all-electric model and with highly efficient internal combustion engines. This global strategy ensures that customers around the world are offered a choice of models tailored to their individual needs, as well as to the infrastructure conditions and legal framework of their region.

The electric motors developed by BMW are characterized by impressively high power density and efficiency. They work according to the principle of a current-excited synchronous machine. This makes it possible to completely dispense with the critical raw materials from the rare earth metal sector required for magnetic components when manufacturing the rotor. At Canadian market launch, the all-electric BMW i5 will be available in a single model variant, the BMW i5 M60 xDrive. This performance model is positioned at the top of the 5 Series range globally and is equipped with extensively enhanced fifth-generation BMW eDrive technology.

BMW i5 M60 xDrive: All-electric driving pleasure at the top of the model range.

The BMW i5 M60 xDrive sits at the top of the 5 Series range and combines a 593 hp electric drivetrain with hallmark M performance characteristics and specific design features.

Two highly integrated drive units on the front and rear axles, in which the electric motor, power electronics, and transmission are compactly combined in a common housing, form an electric all-wheel drive system that enables the BMW i5 M60 xDrive to deliver captivating dynamic performance. The electric motor acting on the rear wheels generates a maximum power output of 335 hp, while the motor at the front axle produces 257 hp. The total system torque generated by both motors is up to 605 lb-ft when M Sport Boost or the M Launch Control function is activated.

This power enables the new BMW i5 M60 to accelerate from 0-100 km/h in an explosive 3.8 seconds, and the power is delivered continuously as speeds increase. The maximum speed of the BMW i5 M60 xDrive is electronically limited 230 km/h when equipped with performance tires (210 km/h with all-season tires).

In order to activate full drive power on demand, the BMW i5 M60 xDrive features a shift paddle marked "Boost" near the left steering wheel spoke. If the paddle is pulled for more than 0.8 seconds, a Sport Boost indicator appears on the Information Display. It indicates that a high level of power is being requested by the accelerator pedal which then triggers maximum acceleration. At the same time, the IconicSounds Electric sound changes to SPORT.

In conjunction with the M Sport Pro Package, the Launch Control function standard on the i5 M60 xDrive is also available for the 530i xDrive. Extremely dynamic acceleration from standstill is enabled via precise coordination of the drive and traction control systems.

High-voltage battery with compact design and high energy content.

Like the drive units, the high-voltage battery used in each BMW i5 model is also derived from the latest fifth-generation BMW eDrive technology. It is composed of four modules with 72 battery cells each and three modules with twelve cells each. The high-voltage battery has a low profile thanks to the modules being cleverly and model-specifically

designed. This means it can be fitted in the underbody of the BMW i5 to save space. In fact, the amount of space available for the passengers in the electric 5 Series is identical to that available in the internal combustion variants.

The high-voltage battery in the BMW i5 combines compact dimensions with high energy density. It provides a usable energy content of 81.2 kWh. Combined with the high efficiency of their electric motors, this provides ranges suitable for long journeys for the BMW i5.

The Combined Charging Unit in the BMW i5 enables Level 2 AC charging up to 9.6 kW. When connected to a DC fast charger, the charging rate of 205 kW means the battery can be topped up from 10% to 80% in as little as 30 minutes.

When driving, the latest version of adaptive recuperation helps to conserve the power reserves and recover electrical energy during throttle lift-off and braking phases. Thanks to intelligent networking, the drive control system can use navigation data and information from sensors of the driver assistance systems to adjust how much power is recuperated according to the respective traffic situation. As an alternative to this adaptive recuperation, the driver can select high, medium, or low braking energy recovery for all traffic situations in the BMW iDrive menu. Low recuperation enables a “coast” function. The BMW i5 simply rolls along without drive torque as soon as the accelerator pedal is released.

Efficiency is further enhanced by a novel intelligent combination of heat pump technology for the integrated heating and cooling circuit of the interior as well as for the heating and cooling system of the drive and the high-voltage battery of the BMW i5. This allows both the interior and the high-voltage battery to be heated simultaneously with the heat pump function and, if required, with a central electric auxiliary heater.

My Mode EFFICIENT with new MAX RANGE function.

The i5's range can be moderated by activating a new drive system function; MAX RANGE. In this mode, drive power and top speed are carefully restricted and comfort functions scaled back, conserving battery power.

The MAX RANGE mode is primarily for critical situations where drivers are unable to recharge mid-journey where they had originally planned and must continue to an alternative charging point. To make the most of the available energy, the vehicle's top speed is limited to 90 km/h, the climate control system is deactivated as are seat heating, seat ventilation, and steering wheel heating. A popup window appears in the control display indicating the recalculated range. The speed and power output gauges in the information display are also modified accordingly and the new energy conservation profile is taken into account in the range forecast.

The MAX RANGE mode can be selected using the control display's touchscreen functionality, the iDrive Controller, or voice commands to the BMW Intelligent Personal Assistant. It can also be deactivated by full-throttle acceleration (kickdown), engaging the M Sport Boost function, or switching the window defrost to maximum.

Charging efficiency is optimized using the latest charging software.

As the battery charge level increases, the charging procedure continuously reduces the charging power instead of delivering the so-call "staircase curve". This makes the charging curve smoother, shortening the charging time. Furthermore, the waste heat generated by the electric motors is used for controlling the temperature of the high-voltage battery in the BMW i5. This can significantly reduce the energy required for preheating the battery on the way to a fast charging station.

Battery thermal management for optimized DC fast charging.

Anticipatory thermal management ensures that the temperature of the high-voltage battery is optimally controlled in advance of a stop at a fast-charging station. When the navigation system is active, the battery is automatically pre-conditioned before a planned charging stop. Pre-conditioning the battery can also be manually activated and deactivated by the customer at any time.

"Overcooling" of the high-voltage storage unit during fast charging is prevented by implementing full and partial cooling power phases in the charging process. This prevents excessively low temperatures from occurring during fast charging, especially at high states of charge. This offers increased potential for short charging times and reduced ageing of the battery cells. In addition it is possible to save individual charging settings for several individual charging points. They are then automatically restored the next time the driver approaches the respective charging point.

BMW 530i xDrive: New generation four-cylinder engine.

The new generation of the 2.0-litre inline 4-cylinder engine features the latest BMW TwinPower Turbo technology and an exhaust manifold integrated into the cylinder head. The engine produces 255 hp and 295 lb-ft of torque, increases of 7 hp and 38 lb-ft. This allows the 530i xDrive to accelerate from 0-100 km/h in only 6.1 seconds.

The internal combustion engines offered in the new BMW 5 Series all stem from a common modular design. The associated innovations include the Miller combustion process, which shortens the opening times of the intake valves, a redesign of the intake ducts and combustion chambers, as well as innovations in the areas of camshaft control, injection, ignition system and exhaust gas routing.

In addition, the engines feature the latest version of the fully variable valve control VALVETRONIC. Their switchable rocker arms on the exhaust side make it possible to stop the gas exchange when required, thus reducing the engine's frictional torque in overrun phases by about two thirds. This allows braking energy to be recuperated more effectively.

Driving experience: chassis technology. Refined sportiness in hallmark BMW fashion.

The vehicle concept of the new BMW 5 Series is characterized by the longest wheelbase in its segment, increased track widths at the front and rear axles compared to the previous

generation, near perfect 50:50 weight distribution, intelligent lightweight construction, and body and chassis connection rigidity optimized with specific struts.

The flexible drive architecture of the new BMW 5 Series results in a wider range of vehicle weights. This is accounted for by specifically modifying and individually tuning chassis components and adapting all control systems accordingly in each powertrain configuration. Regardless of the drive concept, every model variant offers an excellent driving experience by combining the refined sportiness and superior driving comfort typical of the BMW 5 Series.

Both the double-wishbone front axle and the five-link rear axle of the new BMW 5 Series have undergone extensive development. To optimize the acoustic properties, the front axle support received an elastic steering gear mount. In the BMW i5 M60 xDrive, noise from the electric drivetrain is insulated by large powertrain mounts. The all-wheel drive variants of the new BMW 5 Series each feature a model-specific aluminum stiffening plate under the front axle support. Like the housing of the high-voltage battery in the underbody of the BMW i5, it contributes to optimizing the rigidity of the front end. The rear axle support, manufactured using aluminum integral casting, combines low weight with high rigidity. The vibration damping and acoustic insulation of the BMW i5's electric drive unit at the rear wheels are optimized by a large bearing and specific rubber mounts for the rear axle support.

Sport steering with variable ratio now standard.

All BMW 5 Series are equipped with the latest version of electromechanical power steering (EPS) as standard. The standard sport steering includes a new, more direct, steering angle-dependent steering ratio. Its range of functions also includes Servotronic speed-related power assistance as well as comfort or sport-oriented settings available in My Modes.

BMW i5 M60 xDrive features model-specific chassis technology for superior performance.

As the top model in the range, the BMW i5 M60 xDrive not only has the most powerful drivetrain, but also comes with standard suspension equipment that ensures the power of its two electric motors can be harnessed to deliver a superior performance experience. Its standard Adaptive M Suspension Professional includes electronically controlled dampers, Integral Active Steering (which allows the rear wheels to turn in or out of phase with the front wheels up to 2.5 degrees) and lowers the ride height. The dynamic performance, agility, and handling precision of the high-performance model are enhanced by standard 20-inch M light alloy wheels with mixed performance tires and a powerful M sport braking system.

Stroke-dependent dampers for the BMW i5.

The BMW i5 features new stroke dependent control of the dampers on both axes, both as standard and with the M Sport Suspension. The additional hydraulic damping, which acts in the direction of pull, noticeably calms the body when compensating for the vibrations caused by uneven road surfaces and dynamic cornering, thus enhancing the sporty and confident handling of the vehicle. The additional damping is spring-travel dependent, so that vibrations building up are initially damped linearly and then additionally absorbed by a second piston in the event of greater deflection. This prevents excessive bouncing or rocking of the body when driving over large bumps and thus prevents unpleasant vibration behavior.

The stroke-dependent damping serves as an active tuning element, which optimizes the balance between sportiness and comfort specifically for each model. The positive influence of the additional damping on the i5's driving behavior is not only noticeable under heavy load, but in situations where a wheel lifts slightly after being triggered by a small bump.

The BMW i5 is also equipped with rear-axle air suspension as standard. The self-levelling suspension ensures optimum vehicle height for comfortable and safe driving, even when heavily loaded. The air supply to the suspension is regulated individually for each wheel and can thus also compensate for uneven loading.

Adaptive M Suspension Professional with optional Active Roll Stabilization.

The Adaptive M Suspension Professional on the BMW i5 M60 xDrive can be enhanced with optional Active Roll Stabilization (delayed introduction) including Active Roll Comfort. Electric swivel motors ensure fast and precise compensation of lateral roll forces. In its latest version, the system utilizes a 48-volt electric motor for this purpose.

Active Roll Stabilization benefits agility and driving precision, while at the same time enabling a dynamic steering response by providing better roll support. It also increases comfort when driving straight ahead by decoupling the fixed connection of a conventional anti-roll bar. This reduces body roll caused by one-sided road unevenness. The Active Roll Comfort function ensures that the system not only reduces body roll, but also builds up a counter-torque to keep the body horizontal, especially when the road surface is uneven on one side.

Near-actuator wheel slip limitation for fast and precisely optimized traction.

The new BMW 5 Series now features near-actuator wheel slip limitation to deliver maximum agility and control in demanding driving situations. With this system, the traction control is integrated into the engine control unit. This eliminates the long signal paths to the control unit of the DSC (Dynamic Stability Control), so that the control interventions take place at up to 10 times the speed of conventional systems.

The near-actuator wheel slip limitation ensures optimized traction and superior directional stability even on slippery roads. Since it prevents loss of traction from the outset, especially when accelerating fast, but also during high-speed cornering, the Dynamic Stability Control DSC has to intervene much less frequently by selectively braking individual wheels to ensure confident and safe handling.

Light alloy wheels up to 21 inches.

The standard equipment of the new BMW 530i xDrive includes 19-inch light alloy wheels, and 20" for the i5 M60 xDrive. Optional 20-inch and 21-inch light alloy wheels are available

with either mixed performance or all-season non-runflat tires. The range also includes aerodynamic wheels, whose design and construction methods reduce both weight and air resistance.

New Highway Assistant including Active Lane Change with eye activation.

The optional Driving Assistance Professional now includes the Highway Assistant, which enables attentive hands-free driving at speeds up to 130 km/h where conditions and speed limits allow. Driver attention is continuously monitored by the system via an interior camera. The driver is fully responsible for the task of driving even when the Highway Assistant is activated and must always be able to take over should it become necessary.

The automated driving functions of the Driving Assistance Professional Package also include the new version of the Active Lane Change. In a world first, the Active Lane Change in the new BMW 5 Series can be controlled by eye activation.

The vehicle suggests a lane change, and the driver can confirm the lane change simply by looking in the corresponding outside rearview mirror. The Active Lane Change performs the necessary steering movements automatically up to a speed of 130 km/h, traffic conditions and speed limits permitting. It is no longer necessary to confirm the lane change with the turn signal. This seamless interaction between the driver and the Automatic Lane Change provides a level of comfort and safety unique in the automotive sector.

An overview of the activated systems and their functionality is available to the driver via Assisted View in the instrument cluster. The central area of the cockpit display is reserved for an augmented reality representation of the vehicle and its surroundings. For this purpose, camera images are combined with additional graphics and information. The images from the vehicle environment processed in this way provide the driver with a precise overview of the vehicle surrounding captured by cameras and sensors.

Parking Assistant including Reversing Assistant as standard.

The new BMW 5 Series also provides support when parking and maneuvering. The standard Parking Assistant helps the driver in selecting and using parking spaces that are either parallel or perpendicular to the driving lane. In addition to the steering, it also takes over accelerating and braking as well as the gear shifts necessary when maneuvering, both when parking and when backing out.

The Reversing Assistant, which is also standard, enables automated reversing in narrow and complex environments such as multi-story parking structures or driveways. To do this, it stores the steering movements on the route last driven forwards and at a maximum speed of approximately 36 km/h. The system can then travel the stored journey in reverse for a distance of up to 50 meters.

The optional Parking Assistant Professional adds the Parking View, Panorama View front and 3D View functions. This shows a 360-degree image of the vehicle and its surroundings from different perspectives on the Control Display. In addition, the Remote 360 View function allows the driver to view a three-dimensional live image of their vehicle and its surroundings transmitted to their compatible smartphone. The BMW Drive Recorder, Anti-Theft Recorder and Maneuver Assistant are also included in the range of functions of Parking Assistant Professional.

Specifications.

	i5 M60 xDrive
Body	
No. of doors/seats	4/5
Length / Width / Height (mm)	5060 / 1900 / 1505
Wheelbase (mm)	2995
Track, front / rear (mm)	1636 / 1624
Ground clearance (mm)	136
Turning circle (ft)	11.9
Curb weight (kg)	2,380

GVWR (kg)	2,905
Luggage capacity (l)	490
Drive	
Drive concept	Electric all-wheel-drive, coordinated transmission of drive torque from one electric motor to the front and one to the rear as needed
Motor technology	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housing, generator function for recuperation
Max system output (hp)	593
Max torque (lb-ft)	586
High-Voltage Battery	
Storage technology / installation	Lithium-ion / underbody
Voltage (V)	400
Battery capacity (Ah)	211
Usable energy content (kWh)	84.3
Max. charging rate (kW)	205
Charging time, 10-80% @ 205 kW	30 min (DC, fast charging)
Driving Dynamics and Safety	
Suspension, front	Double wishbone axle in aluminum construction with separated lower control arm level, electronically controlled shock absorbers
Suspension, rear	Five-link axle in aluminum construction, double elastic mounting, air suspension with automatic self-leveling, electronically controlled dampers
Brakes, front	Four-piston fixed-caliper, discs
Brakes, rear	Single-piston floating-caliper, discs
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), near-actuator wheel slip limitation, CBC (Cornering Brake Control), DBC (Dynamic Brake

	Control), Dry Braking function, fading compensation, hill start control, Active Roll Stabilization (optional)
Safety equipment	Airbags for driver and passenger, side airbags for driver and passenger, head airbags, three-point inertia reel seatbelts, belt tensioner and belt force limiter, crash sensors, tire pressure indicator
Steering	Electric Power Steering (EPS) with Servotronic function; Integral Active Steering
Steering ratio overall (:1)	15.7
Std. Tires front / rear	245/45 R19 / 275/40 R19
Std. Rims, front / rear (in)	19 x 8.5J / 19 x 10.0J
Transmission	
Type	Automatic transmission, single-stage with fixed ratio
Performance	
Acceleration 0-100 km/h (sec)	3.8
Top Speed (w/perf. tires) (km/h)	230 (210)

	530i xDrive
Body	
No. of doors/seats	4/5
Length / Width / Height (mm)	5060 / 1900 / 1515
Wheelbase (mm)	2995
Track, front / rear (mm)	1622 / 1657
Ground clearance (mm)	154
Turning circle (m)	12.4
Fuel tank capacity (l)	60
Curb weight (kg)	1,886
GVWR (kg)	2,415
Luggage capacity (l)	520
Engine	
Config. / no. cylinders / valves	Inline / 4 / 16
Engine technology	BMW TwinPower Turbo technology, turbocharger, direct injection, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing, 48V mild hybrid technology
Capacity (cc)	1,998
Stroke / bore (mm)	82.0 x 94.6
Compression ratio (:1)	10.5
Max output (hp @ rpm)	255 @ 4,700-6,500

Max torque (lb-ft @ rpm)	295 @ 1,600-4,500
Driving Dynamics and Safety	
Suspension, front	Double wishbone axle in aluminum construction with separated lower control arm level; optional: electronically controlled shock absorbers
Suspension, rear	Five-link axle in aluminum construction, double elastic mounting; optional: electronically controlled shock absorbers
Brakes, front	Four-piston fixed-caliper, discs, ventilated
Brakes, rear	Single-piston floating-caliper, discs, ventilated
Driving stability systems	Standard: DSC incl. ABS, ASC, and DTC (Dynamic Traction Control), near-actuator wheel slip limitation, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, optional: Active Roll Stabilization
Safety equipment	Airbags for driver and passenger, side airbags for driver and passenger, head airbags, three-point inertia reel seatbelts, belt tensioner and belt force limiter, crash sensors, tire pressure indicator
Steering	Electric Power Steering (EPS) with Servotronic function, Integral Active Steering
Steering ratio overall (:1)	15.7
Std. Tires front / rear	245/45 R19 all-season non-runflat
Std. Rims, front / rear (in)	19 x 8.5J
Transmission	

Type		8-speed Steptronic transmission	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final Drive		:1	3.077
Performance			
Acceleration 0-100 km/h (sec)		6.1	
Top Speed (w/perf. tires) (km/h)		210 (250)	

BMW Group in Canada

BMW Group Canada, based in Richmond Hill, Ontario, is a wholly-owned subsidiary of BMW AG and is responsible for the distribution of BMW luxury performance automobiles, Sports Activity Vehicles, Motorcycles, and MINI. BMW Group Financial Services Canada is a division of BMW Group Canada and offers retail financing and leasing programs and protection products on new and pre-owned BMW and MINI automobiles, as well as retail financing for new and pre-owned BMW Motorcycles. A total network of 50 BMW



Canada

Corporate Communications



automobile retail centres, 21 BMW motorcycle retailers, and 31 MINI retailers represents the BMW Group across the country.

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