

# The new BMW M760Li xDrive. Contents.



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# 1. Highlights

- New BMW M760Li xDrive sets new standards in the sporting luxury sedan segment as the flagship variant of the successfully launched BMW 7 Series model range.
- First M Performance TwinPower Turbo 12-cylinder petrol engine with output of 441 kW/600 hp\* at 5,500 rpm\* and peak torque of 800 Nm (590 lb-ft)\* at 1,500 rpm\* from 6.6-litre displacement (fuel consumption combined: 12.6 l/100 km [22.4 mpg imp]; CO<sub>2</sub> emissions combined: 294 g/km)\*\*.
- Sprint from 0 to 100 km/h (62 mph): 3.9 seconds\*, top speed: 250 km/h / 155 mph (governed), with M Driver's Package: 305 km/h (189 mph) (governed).
- Exclusive 20-inch M light-alloy wheels in double-spoke 760M design in Cerium Grey metallic matt (front: 8.5 J × 20, rear: 10 J × 20) and mixed-size performance tyres (front: 245/40 R20, rear: 275/35 R20).
- Standard Executive Drive Pro suspension system combines comfort-oriented chassis tuning with dynamic driving properties enhanced by active roll stabilisation.
- Different driving modes emphasise specific sides to the car's character that are perceptible to the customer.
- Standard Integral Active Steering enhances agility and active safety.
- Rear-biased BMW xDrive intelligent all-wheel-drive system delivers signature M Performance dynamics and commanding performance characteristics in all conditions.
- Exclusive Cerium Grey finish for the kidney grille surround, front apron strip, mirror caps, side M logo, trim strips for the exterior door handles, V12 badge on the C-pillar, Air Breathers and side door trim elements, boot lid handle strip, xDrive logo and model badge.

\* Provisional performance data.

\*\* Fuel consumption figures are provisional, calculated according to the EU test cycle and may vary depending on the tyre format specified.

- Standard M aerodynamic package, M sports exhaust system including flap control and galvanised Cerium Grey twin tailpipe embellishers on either side, M Sport brakes with brake callipers in blue metallic and with M badging.
- Comfort seats with electric adjustment, Exclusive Nappa leather trim. Fineline black fine wood interior trim strips with high-gloss metal effect and headliner in Alcantara Anthracite create a luxurious ambience
- Optional BMW M760Li xDrive V12 Excellence character version allows sporting dynamics to be combined with exclusive and luxurious styling. It alters the character of the BMW M760Li xDrive by deleting the M aerodynamic package and adding the Pure Excellence exterior design and Pure Excellence interior design packages, as well as 20-inch BMW Individual light-alloy wheels in W-spoke 646 design and a bright chrome V12 logo in place of the model badge.
- Eight-speed Steptronic Sport transmission with M Performance-specific adjustments to the shift programs, optimised internal efficiency and a gear-change strategy assisted by navigation data works in perfect harmony with the standard Auto Start Stop function.
- **BMW M760Li xDrive:** 12-cylinder petrol engine, M Performance TwinPower Turbo technology with two mono-scroll turbochargers, High Precision Injection and variable camshaft timing (Double-VANOS).  
Capacity: 6,592 cc.  
Output: 441 kW/600 hp\* at 5,500 rpm\*,  
max. torque: 800 Nm (590 lb-ft)\* from 1,500 rpm\*.  
Acceleration (0–100 km/h / 62 mph): 3.9 seconds\*,  
top speed: 250 km/h / 155 mph (governed), with optional M Driver's Package: 305 km/h / 189 mph (governed).  
Fuel consumption combined: 12.6 litres/100 kilometres (22.4 mpg imp)\*\*,  
CO<sub>2</sub> emissions combined: 294 g/km\*\*, exhaust standard: EU6c.

\* Provisional performance data.

\*\* Fuel consumption figures are provisional, calculated according to the EU test cycle and may vary depending on the tyre format specified.



## 2. The new BMW M760Li xDrive. Captivating performance and supreme comfort combined. (Short version)

With the new BMW M760Li xDrive, the freshly launched new BMW 7 Series is gaining a prestigious flagship model. Headlined by its exceptional refinement and supreme power delivery at all times, the 12-cylinder petrol engine with M Performance TwinPower Turbo technology under the bonnet reinforces the new car's range-topping status. The boldly dynamic driving characteristics of the BMW M760Li xDrive combine with superior ride comfort to make a compelling statement and set a new benchmark in the luxury sedan segment.

### **Powerful and authoritative.**

The new BMW M760Li xDrive gives a debut to the new M Performance TwinPower Turbo 12-cylinder petrol engine. Concealed under a cover bearing "M Performance" lettering, the 6.6-litre V12 develops output of 441 kW/600 hp\* at 5,500 rpm\* and peak torque of 800 Nm (590 lb-ft)\* at 1,500 rpm\* (fuel consumption combined: 12.6 l/100 km [22.4 mpg imp]; CO<sub>2</sub> emissions combined: 294 g/km)\*\*. The high-performance unit with leading-edge M Performance TwinPower Turbo technology accelerates the BMW M760Li xDrive from 0 to 100 km/h (62 mph) in just 3.9 seconds\* on the way to an electronically limited top speed of 250 km/h (155 mph). If the optional M Driver's Package is specified, the speed limiter doesn't cut in until 305 km/h (189 mph). Power transfer is via the state-of-the-art eight-speed Steptronic Sport transmission as standard. The M Performance-specific tuning of the shift programs, delivering sportier gear changes and more instantaneous downshifts throughout the rev range, has been specially adapted to the characteristics of the V12 engine. With its optimal internal efficiency and a gear-change strategy assisted by navigation data, the eight-speed Steptronic Sport transmission contributes to the authoritative driving experience and works seamlessly with the standard Auto Start Stop function.

### **Outperforming its segment rivals in driving dynamics and ride comfort.**

The innovative Executive Drive Pro suspension system is a passport to dynamic sharpness and unbeatable ride comfort. Active roll stabilisation minimises body movements, and the system teams up with performance tyres, fitted to exclusive 20-inch M light-alloy wheels in matt Cerium Grey metallic, to give the new BMW M760Li xDrive the best driving dynamics in its class – without impinging on ride comfort. The rear-biased BMW xDrive intelligent all-wheel-drive system takes its lead from the available grip levels to

\* Provisional performance data.

\*\* Fuel consumption figures are provisional, calculated according to the EU test cycle and may vary depending on the tyre format specified.

distribute engine power to all four wheels as the situation demands. In the process, it delivers the dynamic excellence you'd expect of an M Performance model and a supreme level of performance in all conditions. Active safety and driving dynamics are also beneficiaries of the standard Integral Active Steering system in the new BMW M760Li xDrive, which complements the more direct steering ratio at the front axle by adjusting the steering angle of the rear wheels according to the situation at hand. This reduces steering effort at low speeds and in dynamic driving, further enhancing agility and active safety. The new 19-inch M Sport brakes, boasting blue metallic brake callipers and M badging, set the seal on the dynamic armoury of the BMW M760Li xDrive and ensure unbeatable deceleration at all times.

### **Innovative driver assistance systems.**

The new BMW M760Li xDrive is fitted with the same extensive package of innovative driver assistance systems as all variants of the successfully launched BMW 7 Series model range. The Driving Assistant Plus system includes the Steering and lane control assistant, Lane keeping assistant with active side collision protection, Rear collision prevention and Crossing traffic warning functions. Meanwhile, the Traffic jam assistant – which involves semi-automated driving – can be used on any type of road. And the Active Cruise Control with Stop&Go function now only requires drivers to press a button to incorporate speed restrictions detected by the Speed Limit Info function. The new generation of the Surround View system now also includes a 3D View and Panorama View option in the Control Display.

### **Dynamic focus underlined by the exterior styling.**

In its exterior appearance alone, the new BMW M760Li xDrive embodies the dynamic mission statement of the BMW M Performance Automobiles with unmistakable clarity. The M aerodynamic package with larger air intakes in the front apron and exclusive 20-inch M light-alloy wheels in double-spoke 760M design with matt Cerium Grey finish guarantee an elegantly sporty appearance. The exclusive galvanised Cerium Grey finish for the kidney grille frame and the fronts of the grille bars, front apron strip, exterior door handle strips, Air Breathers, side door trim elements and boot lid handle add colour accents, subtly highlighting the special status of the BMW M760Li xDrive within the BMW 7 Series model range and the BMW model line-up as a whole. Other notable exterior features include the mirror caps, likewise in Cerium Grey, V12 badges on the C-pillars, the M logos on the sides of the car and the xDrive lettering and model badge at the rear. A new M sports exhaust system with flap control generates an emotionally rich V12 soundtrack and adds the finishing touches to the signature M Performance look with its galvanised Cerium Grey twin tailpipe embellishers in exclusive design positioned on either side.

### **Familiar M Performance accents for the interior, too.**

The now familiar BMW M Performance character is also present and correct inside the car. The exclusive M leather steering wheel carries the M logo, has Pearl Gloss Chrome multifunction buttons on its spokes and shift paddles for manual gear changes on the reverse. Door sill plates with an illuminated V12 logo whet the appetite for the driving pleasure to come, while the instrument cluster contains an exclusive speedometer featuring the model designation and a dial now extending to 330 km/h (205 mph). Like the M pedals and M driver's footrest, the special speedo points to the performance potential of the BMW M760Li xDrive. The area of the centre console around the selector level and iDrive Controller is adorned with a BMW Individual decorative inlay in Piano Finish Black and with V12 badging. The optional Touch Command Panel in the rear compartment's centre armrest hosts a similar V12 identifier.

### **Comfort features generate a modern and luxurious ambience.**

The electrically adjustable front comfort seats with memory function and the Finition black fine wood interior trim strips with high-gloss metal effect team up with high-quality deep-pile floor mats in the rear compartment and an Alcantara Anthracite headliner to generate a luxurious ambience. Exclusive Nappa leather trim covers the seat surfaces, seat side sections, head restraints, door cards, centre armrests and side armrests to round off the elegant atmosphere in tasteful style.

### **BMW M760Li xDrive V12 Excellence option also available.**

For customers looking to trade the overtly dynamic appearance of their BMW M760Li xDrive for a more discreet luxurious look, the optional BMW M760Li xDrive V12 Excellence is available at no extra cost. This character variant significantly alters the personality of the BMW M760Li xDrive, shedding the M aerodynamic package and adding 20-inch BMW Individual light-alloy wheels in W-spoke 646 design high-gloss polished with mixed-size tyres (front: 245/40 R20, rear: 275/35 R20). There is also a high-gloss Black finish for the brake callipers. Customers choosing the V12 Excellence model can expect their BMW M760Li xDrive to feature a chrome bar extending across the full width of the car in the upper section of the air intake grille. In addition, the kidney grille bars are in Silver with chrome fronts and surrounds likewise in bright chrome. All the other trim elements on the body also come in bright chrome. In place of a model designation, the BMW M760Li xDrive V12 Excellence has a "V12" badge on the boot lid. The exhaust system's pair of chrome, rectangular tailpipe embellishers are now framed by additional chrome trim. Inside the car, meanwhile, the BMW steering wheel features wood inlays, and the V12 lettering in the instrument cluster – whose speedometer extends as far as 260 km/h

(160 mph) – illuminates when the driver fires up the engine. The comfort-biased exhaust system with its refined soundtrack also helps to accentuate the specific character of the V12 Excellence model.

### **Intuitive operation with touch display and BMW gesture control.**

As in all variants of the new BMW 7 Series, the monitor of the iDrive operating system in the new range-topping BMW M760Li xDrive comes in touch display form. This means customers will be able to navigate around the system in the same way as with modern electronic devices. In addition to using the Controller to operate the system in the familiar style, its functions can also be selected and activated by touching the screen's surface.

The iDrive system also features the gesture control system presented in the BMW 7 Series for the first time. Hand movements detected by a 3D sensor control infotainment functions in an extremely intuitive and user-friendly fashion. The gestures can be used for a number of functions, including controlling the volume in audio applications and accepting or rejecting incoming telephone calls. There is also the option of pairing a specific gesture with an individual choice of function. Also joining the fray is a new smartphone holder integrated into the centre console, which enables wireless, inductive charging for mobile phones for the first time in a car.

Further information on official fuel consumption figures, specific CO<sub>2</sub> emission values and the electric power consumption of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. Leitfaden CO<sub>2</sub> (Guideline CO<sub>2</sub>) (PDF – 2.7 MB).

### 3. **BMW M Performance Automobiles.** **Sporting dynamics and refinement to be enjoyed every day.**



The new BMW M760Li xDrive is the most recent addition to the ranks of the BMW M Performance Automobiles and brings together the many years of expertise amassed by BMW M in the construction of sporty and exclusive models. Established in 1972, BMW Motorsport GmbH proceeded to raise the bar in the world of international car racing. Its highlights reel includes the starring role played by the sensational BMW M1 mid-engined sports car in the extraordinary Procar race series. Beyond this, BMW Motorsport GmbH also developed the first turbocharged engine to power a car to the Formula One World Championship title, and created what remains the world's most successful touring car racer: the Group A BMW M3.

#### **Know-how from motor sport.**

Since 1993 this wholly-owned subsidiary of BMW AG has been known as BMW M GmbH. Offering products and services in the five business areas of BMW M Automobiles and BMW M Performance Automobiles, BMW Individual, M Sports Options and Packages, the BMW Group Driving Experience, and Safety, Emergency and Special-Purpose Vehicles, BMW M GmbH focuses its attentions on customers with particularly high aspirations in terms of the performance, exclusivity and individual style of their vehicles. The letter M is synonymous all over the world for success in motor racing and for the fascination surrounding high-performance sports cars for road use.

“The BMW M Performance Automobiles form an exclusive line-up of models from BMW M GmbH positioned between the top-ranking BMW variants and our core M cars,” says Frank van Meel, CEO of BMW M GmbH. “We’ve developed these cars for customers who have high standards when it comes to sporting ability, but also place considerable value on ride comfort and everyday usability. The experience and expertise of BMW M in both motor sport and the development of high-performance sports cars are also channelled into the development of our BMW M Performance Automobiles. Demand for these cars has followed a continuous upward curve since the new product category was launched in 2012. Around 14,250 BMW M Performance models were sold worldwide in 2013, and that figure rose to 24,000 in 2014.”

## 4. Powertrain. The magnetic allure of a V12.



A 12-cylinder engine traditionally enjoys a rarefied status beyond the reach of other configurations. It represents the ultimate expression of the engine-building art and justifies its stand-out reputation with an incomparably powerful and, at the same time, refined power delivery it alone has the means to provide. Under the bonnet of the new BMW 7 Series, the company's modified V12 once again conjures a way to cover the miles that is in many respects unique. And, in so doing, it underlines the special position occupied by a 12-cylinder model – in this new-generation BMW 7 Series, as in those that have gone before.

### **A unique combination of power and refinement.**

The M Performance TwinPower Turbo 12-cylinder petrol engine in the new BMW M760Li xDrive has a capacity of 6,592 cc, develops output of 441 kW/600 hp\* at 5,500 rpm\* and peak torque of 800 Nm (590 lb-ft)\* from as low down as 1,500 rpm\*, and now also links up with the Auto Start Stop function (fuel consumption combined: 12.6 l/100 km [22.4 mpg imp]; CO<sub>2</sub> emissions combined: 294 g/km)\*\*. It accelerates the luxury sedan from 0 to 100 km/h (62 mph) in just 3.9 seconds\* and on to a governed top speed of 250 km/h (155 mph) – or 305 km/h / 189 mph (governed) if the optional M Driver's Package is specified. In the construction of the all-aluminium block, the engineers focused on maximising rigidity while also minimising weight. Using a closed-deck structure combined with bolts holding the cylinder head down on the floor plate of the crankcase, the engine ensures maximum stability on the cylinder liners. Double bolts on the main bearings with an additional connection to the side panels through threaded support bushes and bolts reduce the influence of lateral forces from the crankdrive on the crankcase. Further components of the engine block that serve to reduce vibrations and noise to an absolute minimum are iron-coated aluminium pistons, forged connecting rods assembled using the cracking process, and a likewise forged crankshaft.

In addition, the M Performance TwinPower Turbo 12-cylinder petrol engine boasts an array of special technical features allowing even better use of the potential provided by the engine's construction principle and fundamental philosophy. Top of the pile are M Performance TwinPower Turbo technology and High Precision Injection. These features enable sharp and direct responses to even the slightest movement of the accelerator, a linear torque

\* Provisional performance data.

\*\* Fuel consumption figures are provisional, calculated according to the EU test cycle and may vary depending on the tyre format specified.

curve and exceptionally low fuel consumption and CO<sub>2</sub> emissions for an engine in this performance class.

### **M Performance TwinPower Turbo technology.**

Joining the V12 under an engine cover bearing “M Performance” lettering are two mono-scroll turbochargers positioned – thanks to the small 60-degree cylinder angle – in a compact arrangement on the outside of the two rows of cylinders, each supplying six cylinders with compressed air. The turbochargers stand out with their unusually high level of compressor and turbine efficiency, and their positioning provides the ideal platform for short, straight and therefore flow-efficient pipe connections between the exhaust system and the turbochargers.

To ensure the sensitive and precise grading of power at all times, the compressed air from the turbocharger is cooled by a technically highly sophisticated indirect intercooler. This serves to minimise the overall volume of air required and to shorten lag times, enabling the engine to respond as effectively as possible to the driver's foot on the accelerator. An additional water pump feeds the separate coolant circuit required for this purpose, whose air-to-water heat exchangers are positioned directly on the intake manifold.

### **M sports exhaust system delivers an emotionally rich V12 soundtrack.**

The catalytic converters of the 12-cylinder engine are equipped with cutting-edge exhaust gas sensors and quickly reach their optimum operating temperature thanks to their positioning close to the engine. Effective exhaust treatment allows the engine to comply with all the internationally applicable emissions guidelines. The BMW M760Li xDrive meets the EU6c exhaust standard.

In order to reduce backpressure, the M sports exhaust system in the car's underbody area features mostly straight pipe routing and the largest possible diameter. The evolution of the rear silencers and flap activation system allows a broad acoustic spread, supplying everything from maximum refinement to a full-bodied 12-cylinder soundtrack. The system adapts to the situation at hand and the driver's preferences, the charge cycle acoustics showcasing the car's understated air of elegance but also able to switch, as and when greater performance is called upon, to an emotionally rich 12-cylinder soundtrack that accentuates the dynamic character of the BMW M760Li xDrive.

### **Injection system: precision with 200 bar of pressure.**

High Precision Injection optimises the combustion process, contributing to the engine's extraordinarily efficient utilisation of the energy contained in the

fuel. Injectors positioned centrally in the cylinder head measure out the fuel precisely and spray it into the combustion chambers in finely atomised form and at up to 200 bar of pressure. The fuel is dispersed according to an ideal model calculated in complex processes, allowing extremely consistent and clean combustion. This also has a positive effect on emissions and engine acoustics. The mixture cooling brought about by the directly injected fuel also allows a higher compression ratio than that achieved by a turbocharged engine with manifold injection. The engine therefore works extremely efficiently, delivering greater performance and lower fuel consumption. High Precision Injection teams up with BMW TwinPower Turbo technology in all the petrol engines for the BMW 7 Series, ensuring extremely efficient and clean combustion as a platform for fuel economy and emissions figures that are unsurpassed in this performance class.

The M Performance 12-cylinder engine also features, in customary BMW style, Double-VANOS continuously variable camshaft timing. This allows the engine to run under part loads with a high level of residual gas and reduced throttle losses, maximising fuel efficiency. Double-VANOS also contributes to the engine's rapid responses.

The oil supply to the M Performance 12-cylinder engine has been similarly optimised. Its volume flow-controlled pump operates only when required and is therefore extremely efficient. The six-chamber pendulum-slide pump only supplies the amount of oil required by the engine in whatever state of operation it finds itself in. Instead of a manual dipstick, a display in the instrument cluster can be called up at any time during a journey to show the oil level status.

### **Eight-speed Steptronic Sport transmission.**

Drive from the most powerful petrol engine in the M Performance line-up is channelled through an eight-speed Steptronic Sport transmission, which is fitted as standard in the new BMW M760Li xDrive and also makes a significant contribution to the dynamic ability of this M Performance model. The M Performance-specific tuning of the shift programs, delivering sportier gear changes and more instantaneous downshifts throughout the rev range, has been specially adapted to the characteristics of the V12 engine and is also perceptible to the occupants through the functions of the Driving Experience Control switch. Carefully avoiding converter slip outside of gear changes results in a direct, sporty connection between the driveline and the engine. Furthermore, the eight-speed Steptronic Sport transmission comes with a Launch Control function as standard. This easy-to-operate system paves the way for ambitious drivers to achieve optimum acceleration under all conditions in their BMW M760Li xDrive. The eight-speed Steptronic Sport transmission

can also be operated via the gearshift paddles on the steering wheel for an ultra-sporty driving style. In manual mode, the transmission follows the classical blueprint by holding the selected gear even when the engine hits the rev limiter. At the same time, its compact construction, low weight, optimised efficiency and flawless interaction with the Auto Start Stop function allows it to play a significant role in reducing fuel consumptions and emissions.

## 5. Driving dynamics. Harmony of performance and ride comfort.



The new BMW 7 Series model range already represents the benchmark in the premium luxury class when it comes to driving dynamics. Intelligent lightweight design, e.g. the use of high-rigidity and lightweight carbon-fibre elements in the passenger cell's Carbon Core structure, gives the new BMW 7 Series an extremely low centre of gravity, all of which puts it in the best possible place to offer sporty, agile handling and supreme driving dynamics, coupled with top-class ride comfort.

### **Performance mixed-size tyres optimise contact with the road.**

The new BMW M760Li xDrive is fitted as standard with exclusive, newly designed double-spoke 760M 20-inch M light-alloy wheels (front: 8.5 J × 20, rear: 10 J × 20) in a Cerium Grey metallic matt finish and with Michelin Pilot Super Sport tyres (front: 245/40 R20, rear: 275/35 R20). This wheel/tyre combination provides a noticeable and calculable improvement in driving dynamics without compromising the car's rolling comfort. The BMW M760Li xDrive can also be specified as an option with runflat tyres and any other 20-inch light-alloy wheels from the BMW 7 Series equipment range. Plus, an optional winter wheel set containing 19-inch light-alloy wheels can be ordered for use during the winter months.

### **Executive Drive Pro.**

The new BMW M760Li xDrive is equipped with the innovative Executive Drive Pro suspension system first introduced in the recently launched BMW 7 Series model range. Executive Drive Pro is an active suspension control system, which links up with two-axle air suspension and the Dynamic Damper Control system to deliver exceptional spring and damper comfort, not to mention extremely low vibration levels. It includes the updated version of the Dynamic Drive system, which reduces roll at the front and rear axles. The result is dynamic driving characteristics coupled with comfortable suspension tuning.

Active roll stabilisation is now carried out electromechanically and allows body roll forces to be cancelled out particularly swiftly and precisely when taking corners at speed. The adjustable anti-roll bars allow the suspension system the greatest possible freedom of movement, which raises comfort levels when driving in a straight line. The comfort-enhancing effect is further heightened

by the standard air suspension, which has been retuned specially for the new BMW M760Li xDrive and adapted to the car's more dynamic character.

What's more, the new system is also more energy-efficient than a hydraulic equivalent.

### **Integral Active Steering.**

The new BMW M760Li xDrive is fitted as standard with innovative Integral Active Steering. The planetary gearset previously used at the front axle has given way to a variable steering rack ratio. By employing a more direct front axle steering ratio and turning the rear wheels in either the opposing or the same direction when steering – depending on the specific driving situation – this system reduces steering effort and increases both manoeuvrability in urban traffic and agility and directional stability during high-paced driving, while also ensuring an especially smooth and composed response when changing lane and cornering. The differing characteristics permitted by the steering electronics are linked directly to the Driving Experience Control switch and activated by selecting the relevant driving program. For their introduction in the BMW M760Li xDrive, the characteristics of the steering system and all the other chassis control systems have been tuned specifically to the dynamic character of this 7 Series variant.

### **Driving Experience Control switch with Adaptive mode.**

The standard-fitted Driving Experience Control switch in the new BMW M760Li xDrive also allows the driver to activate Adaptive mode. This feature includes an anticipatory chassis control function and automatic selection of the driving mode best suited to the situation at hand. The advance information for regulating the combination of chassis systems is gleaned from the driving style analysis readings, data from the navigation system and a stereo camera.

All the driving modes of the Driving Experience Control switch have been comprehensively retuned to suit the dynamic character of the new BMW M760Li xDrive.

### **Rear-wheel-biased BMW xDrive all-wheel drive.**

The BMW M760Li xDrive comes as standard with BMW xDrive permanent all-wheel drive. This intelligent system is able to distribute torque fully variably between the front and rear axle, thereby ensuring an extremely high level of dynamic ability, agility and traction. The BMW xDrive system has been given a rear-wheel bias – and therefore even sportier tuning – in order to fortify the BMW M760Li xDrive with the driving dynamics typically offered by BMW M Performance models.

### **Innovative driver assistance systems.**

The Driving Assistant Plus system has been expanded for the new BMW 7 Series model range to include the Steering and lane control assistant, Lane keeping assistant with active side collision protection, Rear collision prevention and Crossing traffic warning functions – and features as part of the specification for the new BMW M760Li xDrive. Meanwhile, the Traffic jam assistant – which involves semi-automated driving – can be used on any type of road. The Active Cruise Control with Stop&Go function now only requires drivers to press a button to incorporate speed restrictions detected by the Speed Limit Info function. The new generation of the Surround View system also includes a 3D View and Panorama View option in the Control Display.

## 6. Design. BMW M Performance variant makes a clear visual statement.



The new BMW M760Li xDrive sees BMW M GmbH presenting an all-new take on emotionally rich sporting appeal and prestigious exclusivity, whose finely balanced nature proves particularly compelling. By showcasing the neatly honed proportions of the new BMW 7 Series and accentuating its own impressive dynamic potential through every area of its styling, the BMW M760Li xDrive leaves no room for doubt: this is the flagship model of the new BMW 7 Series family.

### **M aerodynamic package accentuates sporting exclusivity.**

The new BMW M760Li xDrive underlines the refined sporting character, exclusive elegance, advanced technology and unbeatable build quality it shares with all of its new 7 Series siblings. The M aerodynamic package fitted as standard imbues the car's proportions and precise lines with even more of the presence for which the brand is renowned. The newly designed front apron features two large air intakes to the left and right, which take on a still more voluminous appearance in the absence of foglamps. Running along the upper edge of each intake is a Cerium Grey trim strip. The kidney grille bars and active air flap louvres are also fronted in Cerium Grey and have high-gloss Black sides. The grille elements are framed by a Cerium Grey surround.

Along the sides of the car, the Cerium Grey trim elements on the lower edge of the doors, the Air Breathers and the door handle trim provide new surroundings for the prominent double swage line and turn the body's character line into an even more prominent feature. Exclusive mirror caps, "V12" badges on the C-pillars and the M logo on the front wings – all in Cerium Grey – provide fitting adornments for the car's flanks. And exclusive 20-inch M light-alloy wheels with a new double-spoke design and surfaces painted in matt Cerium Grey advertise the car's elevated dynamic aspirations as a BMW M Performance Automobile.

Elsewhere, the sporting design of the rear apron with its black central area highlights the M sports exhaust system's Cerium Grey twin tailpipe embellishers with exclusive V12 geometry. The optional M rear spoiler optimises the flow of air, while the boot handle strip, which links together the L-shaped LED rear lights, the model badge on the right-hand side of the boot lid and the xDrive lettering on the left, ensures the performance potential of the BMW M760Li xDrive is also clearly evident at the rear of the car.

### **An interior shaped by sporting elegance.**

Inside the car, carefully arranged M accents provide an elegantly sporting allure. Gleaming door sill plates in Fine Brushed Aluminium with an illuminated V12 logo indicate the presence of the range-topping engine underneath the bonnet. The rim of the exclusive M leather steering wheel features an M logo on the centre spoke and gearshift paddles on the reverse. The multifunction buttons on the steering wheel spokes and the spoke inlays are finished in Pearl Gloss Chrome. The instrument cluster contains an exclusively designed speedometer, which now extends as far as 330 km/h (205 mph). The model designation is positioned at the centre of the dial, offering a clear hint as to the performance the BMW M760Li xDrive is ready to unleash. The M pedals and M driver's footrest in stainless steel with black rubber inserts provide an additional sporty-technical touch and accentuate the character of the BMW M760Li xDrive as a driver's car. A BMW Individual decorative inlay – in Piano Finish Black and bearing a V12 badge – positioned in the area around the selector lever and iDrive Controller lends even greater exclusivity to the interior.

## 7. Equipment.

### Pioneering exclusivity and a sporting, dynamic edge.



In keeping with its role as the standard-bearer of the new BMW 7 Series model range, the BMW M760Li x Drive is kitted out with an extremely extensive list of equipment items as standard: the M aerodynamic package, 20-inch M light-alloy wheels in Cerium Grey metallic matt with mixed-size tyres, an M sports exhaust system with flap control, Executive Drive Pro, Integral Active Steering, Adaptive LED headlights with anti-dazzle High-beam assistant and Dynamic Damper Control are all in place without an options box needing to be ticked. Likewise included are BMW gesture control, the keyless Comfort Access system, a rain sensor, Active Protection to optimise occupant protection, electrically adjustable comfort seats at the front, sunblinds for the rear windscreen and rear windows, Exclusive Nappa leather trim with extended features, an Alcantara headliner, Fineline black fine wood trim with high-gloss metal effect, an M leather steering wheel and exterior features in the Cerium Grey shade exclusive to M Performance models.

#### **Extensive line-up of BMW ConnectedDrive features.**

The new BMW M760Li xDrive comes as standard with the full array of BMW ConnectedDrive products and services. These include the latest-generation BMW Navigation system Professional with high-resolution colour touchscreen and iDrive Touch Controller. BMW ConnectedDrive Services, meanwhile, enable access to the intelligent link-up of driver, vehicle and outside world. And the SIM card integrated into the car allows those on board to make use of innovative features such as the Concierge Service and RTTI (Real Time Traffic Information).

The BMW Remote Services allow customers to activate remote functions, such as operating the air-conditioning system, locking and unlocking the car, operating the headlight flasher or carrying out a location search, either using the My BMW Remote app or by telephone via the BMW call centre. The telephony with wireless charging and USB interface function enables inductive charging of a mobile device and, at the same time, allows users to connect up to two mobile phones and an audio player to the car via Bluetooth. The WiFi hotspot, moreover, establishes an internet connection for up to 10 devices.

Needless to say, the BMW M760Li xDrive can be configured and equipped to individual tastes. To this end, customers can choose from virtually the full range of optional equipment available for the BMW 7 Series model series.

BMW Laserlight with BMW Selective Beam and a range doubled from 300 to 600 metres is one of the pioneering innovations on offer for the BMW 7 Series. With other attractive equipment features available, such as the BMW Head-Up Display, active seat ventilation, ceramic applications for the controls, BMW Night Vision with pedestrian recognition, Driving Assistant Plus with Collision Warning, Pedestrian Warning and City Braking function, and Surround View generating a 360-degree image of the area around the car, customers can tailor their BMW M760Li xDrive comprehensively to their personal wishes and requirements.

**Intelligent Emergency Call offers an unparalleled service.**

Intelligent Emergency Call is also part of standard specification for the BMW M760Li xDrive and offers world-leading functionality in the automotive sector. The system springs into action automatically, as well as when help is summoned manually. In the event of an accident, Intelligent Emergency Call sets up a connection to the BMW call centre via the SIM card embedded in the vehicle; call centre staff then make direct contact with the occupants. At the same time, the vehicle's location and the potential risk of injury to its occupants are transmitted to ensure a quick rescue response, even if nobody in the vehicle is able to talk.

**Intuitive operation with touch display and BMW gesture control.**

As in all variants of the new BMW 7 Series, the monitor of the iDrive operating system comes in touch display form in the new range-topping BMW M760Li xDrive. This means customers will be able to navigate around the system in the same way as with modern electronic devices. In addition to using the Controller to operate the system in the familiar style, its functions can be selected and activated by touching the screen's surface.

The iDrive system also features gesture control, presented in the BMW 7 Series for the first time. Hand movements detected by a 3D sensor control infotainment functions in what is an extremely intuitive and user-friendly approach. The gestures can be used for a number of functions, including controlling the volume in audio applications and accepting or rejecting incoming telephone calls. There is also the option of pairing a specific gesture with an individual choice of function. There is also a new smartphone holder integrated into the centre console, which enables wireless, inductive charging for mobile phones for the first time in a car.

## 8. **BMW M760Li xDrive V12 Excellence.** **Character variant emphasises** **innovative luxury.**



The preferences and requirements of its customers have always been the key guiding influences for BMW in the design and construction of the company's vehicles. It is therefore no surprise that BMW M760Li xDrive customers can tick a box marked "BMW M760Li xDrive V12 Excellence" and in so doing alter the inherent character of their car. The V12 Excellence shifts its focus away from the strikingly dynamic appearance of its sibling to emphasise the comfort-related attributes of the BMW M760Li xDrive and underscore the exclusive status of the V12 sedan. And that makes the flagship BMW 7 Series a strong recommendation for customers who also enjoy the view from the luxurious rear compartment of their car.

Externally, the BMW M760Li xDrive V12 Excellence trades the M aerodynamic package for visual cues from the Pure Excellence exterior design package. These include 20-inch BMW Individual light-alloy wheels in W-spoke 646 design, high-gloss polished, with mixed-size tyres (front: 245/40 R20, rear: 275/35 R20) and brake callipers in high-gloss Black. The front end of the BMW M760Li xDrive V12 Excellence has a chrome bar extending across the full width of the car in the upper section of the air intake grille, while the kidney grille bars are in Silver with chrome fronts, and their surrounds likewise sport bright chrome. Added to which, the V12 Excellence features LED foglamps in the front apron.

On the car's flanks, a bright chrome finish adorns the window frames, the Air Breathers with door trim element and the V12 lettering on the C-pillars. The M logos rearwards of the wheel arches on the front side panels are deleted. Further back, a gleaming xDrive badge sits on the left-hand side of the boot lid above the chrome boot lid handle strip, with V12 lettering replacing the model designation on the right-hand side. The comfort-oriented exhaust system has a refined and understated note. Its two chromed, rectangular tailpipe embellishers are now framed in the rear apron by an additional chrome surround which creates a visual link between them.

The optional BMW M760Li xDrive V12 Excellence character variant also brings with it the features of the Pure Excellence interior design package. For example, the Alcantara headliner, door sill plates in Fine Brushed Aluminium with illuminated V12 badge, precise decorative stitching in the lower section of the instrument panel, fine wood inlays for the seat belt outlet covers,

armrest and rear roof grab handles, plus exquisite deep-pile floor mats for the rear compartment, all bathe the interior in an inviting and sophisticated aura. The BMW leather steering wheel with wood applications creates an elegant accent, and when the driver fires up the engine a V12 emblem lights up in the centre of the instrument cluster – whose speedometer extends as far as 260 km/h (160 mph).

## 9. Specifications.

### The new BMW M760Li xDrive.



BMW M760Li xDrive		
<b>Body</b>		
No of doors/seats		4/5
Length/width/height (unladen)	mm	5238/1902/1485
Wheelbase	mm	3210
Track, front/rear	mm	1611/1640
Ground clearance	mm	135
Turning circle	m	12.9
Fuel tank capacity	approx ltr	78
Engine oil <sup>1)</sup>	ltr	9.5 <sup>2)</sup>
Weight, unladen, to DIN/EU	kg	2180/2255
Max load to DIN	kg	tbc
Max permissible weight	kg	tbc
Max axle load, front/rear	kg	tbc
Max trailer load, braked (12%)/unbraked	kg	2300/750
Max roofload/towbar download	kg	100/100
Luggage comp capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.27 x 2.42
<b>Engine</b>		
Config/No of cyls/valves		V/12/4
Engine technology	BMW TwinPower Turbo technology: two mono-scroll turbochargers, High Precision Direct Injection, Double-VANOS variable camshaft control	
Effective capacity	cc	6592
Stroke/bore	mm	tbc
Compression ratio	:1	tbc
Fuel grade		min RON 91
Output	kW/hp	441/600 <sup>2)</sup>
at	rpm	5500 <sup>2)</sup>
Torque	Nm	800 <sup>2)</sup>
at	rpm	1500 <sup>2)</sup>
<b>Electrical System</b>		
Battery/installation	Ah/-	105/load compartment
Alternator	AW	2 x 180/5040
<b>Driving dynamics and safety</b>		
Suspension, front	Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive, air suspension with automatic self-levelling	
Suspension, rear	Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self- levelling	
Brakes, front	Four-piston fixed-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, cross-linking with xDrive all-wheel-drive system, Dynamic Damper Control	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for 1st and 2nd seat row, driver's side knee airbag, three-point inertia-reel belts on all seats, integrated at the front with belt tensioners and belt force limiter, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function, Integral Active Steering	
Steering transmission, overall	:1	16.9
Tyres, front/rear		245/40 R20 90Y 275/35 R20 102Y
Rims, front/rear		8.5J x 20 light-alloy 10J x 20 light-alloy

BMW M760Li xDrive		
Transmission		
Type of transmission	8-speed Steptronic	
Gear ratios	I	:1 5.000
	II	:1 3.200
	III	:1 2.143
	IV	:1 1.720
	V	:1 1.313
	VI	:1 1.000
	VII	:1 0.823
	VIII	:1 0.640
	R	:1 3.478
Final drive		:1 2.813
Performance		
Weight-to-power ratio (DIN)	kg/kW	5.1 <sup>2)</sup>
Output per litre	kW/ltr	65.2 <sup>2)</sup>
Acceleration 0–100 km/h	s	3.9 <sup>2)</sup>
Maximum speed	km/h	250/305 <sup>3)</sup>
BMW EfficientDynamics		
BMW EfficientDynamics standard measures	Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, efficiency- and weight-optimised all-wheel drive	
Fuel consumption EU <sup>4)</sup>		
With standard wheels and tyres:		
urban	ltr/100 km	tbc
inter-urban	ltr/100 km	tbc
combined	ltr/100 km	12.6 <sup>2)</sup>
CO <sub>2</sub>	g/km	294 <sup>2)</sup>
Emission rating		EU6c

Specifications apply to ACEA markets / data relevant to homologation apply in part only to Germany (weight)

<sup>1)</sup> Oil change

<sup>2)</sup> Provisional specifications

<sup>3)</sup> With optional M Driver's Package

<sup>4)</sup> Fuel consumption and CO<sub>2</sub> emissions may vary depending on the tyre format specified