

# The new BMW 3 Series Sedan. The new BMW 3 Series Touring. Contents.



<b>1. The new BMW 3 Series Sedan. The new BMW 3 Series Touring.</b>	
Highlights. ....	2
Short version. ....	4
<b>2. The latest instalment in an iconic history.</b>	
Setting the standard for 40 years. ....	7
<b>3. Design and equipment.</b>	
The segment founder – even higher quality, even greater presence. ....	9
<b>4. Powertrain and chassis.</b>	
Raising the benchmark – even sportier, even more efficient. ....	13
<b>5. BMW EfficientDynamics.</b>	
Superb performance, exceptionally low fuel consumption. ....	19
<b>6. BMW ConnectedDrive.</b>	
Optimum connectivity and intelligent driver assistance systems. ....	21
<b>7. Specifications. ....</b>	23
<b>8. Output and torque diagrams. ....</b>	59
<b>9. Exterior and interior dimensions. ....</b>	71

# 1. The new BMW 3 Series Sedan. The new BMW 3 Series Touring. Highlights.



- 40 years as the original: with a total of over 14 million examples delivered to customers since its initial introduction, the BMW 3 Series is the biggest-selling BMW of all. Accounting for around 25 per cent of total BMW vehicle sales, the BMW 3 Series Sedan and Touring together represent the BMW brand's most successful model range.
- Even more dynamic use of forms: the BMW 3 Series Sedan and BMW 3 Series Touring feature sharper design and sportier front and rear views. The focused look of the newly designed headlights with optional full-LED lighting emphasises the sporting credentials of the BMW 3 Series model range, even from a distance. The rear view also cuts an even more dynamic figure thanks to its LED tail lights and sculptural, clearly defined lines.
- Perceived quality and ergonomics rise to a new level: the interior of the new BMW 3 Series uses new materials and highlights to create an even more premium impression; further improvement in look and feel as well as ergonomics.
- World premiere for new four-cylinder and new six-cylinder petrol engines: the four-cylinder unit in the BMW 330i now develops 135 kW/184 hp (Sedan: combined fuel consumption: 5.9–5.3 l/100 km [47.9–53.3 mpg imp]; combined CO<sub>2</sub> emissions: 138–124 g/km; Touring: combined fuel consumption: 6.3–5.5 l/100 km [44.8– 51.4 mpg imp]; combined CO<sub>2</sub> emissions: 147–129 g/km)\* and 185 kW/252 hp (Sedan: combined fuel consumption: 6.5–5.5 l/100 km [43.5–51.4 mpg imp]; combined CO<sub>2</sub> emissions: 151–129 g/km; Touring: combined fuel consumption: 6.7–5.8 l/100 km [42.2–48.7 mpg imp]; combined CO<sub>2</sub> emissions: 157–135 g/km)\*. Top-of-the-line BMW 340i with newly developed six-cylinder in-line engine now produces 240 kW/326 hp (Sedan: combined fuel consumption: 7.7–6.5 l/100 km [36.7–43.5 mpg imp]; combined CO<sub>2</sub> emissions: 179–152 g/km; Touring: combined fuel consumption: 7.0–6.8 l/100 km [40.4–41.5 mpg imp]; combined CO<sub>2</sub> emissions: 164–158 g/km)\*.
- All the three-, four- and six-cylinder petrol engines and the four-cylinder diesel units in the BMW 316d, BMW 318d and BMW 320d are now

sourced from the newly developed, modular BMW EfficientDynamics engine family and feature BMW TwinPower Turbo technology. They combine unbeatable performance with outstanding efficiency.

- More efficient than ever: the BMW 320d EfficientDynamics Edition Sedan with standard tyres and eight-speed Steptronic transmission emits just 99 grams of CO<sub>2</sub> per kilometre (combined)\*. The plug-in hybrid drive system powering the BMW 330e will create another milestone next year: its total system output of 185 kW/252 hp<sup>1)</sup> goes hand-in-hand with fuel consumption pinned to just 2.1 l/100 km [134.5 mpg imp] (combined)\*<sup>1)</sup>, equating to 49 g/km CO<sub>2</sub> (combined)\*<sup>1)</sup>.
- Optimised driving dynamics: with further developed damper technology and stiffer suspension, the new BMW 3 Series once again sets new standards in sporty driving dynamics, combined with the same high level of ride comfort.
- Personalisation aided by equipment lines: a broad scope for customisation – with the Sport Line and Luxury Line equipment lines and M Sport package – sets the seal on the dynamic and high-quality character of BMW's bestselling model.
- State-of-the-art navigation system: the intelligent Navigation system Professional with even faster route calculation now offers free map updates for three years – automatically over the air in the owner's home region – and supports the fastest mobile technology standard (LTE).

# 1. The new BMW 3 Series Sedan. The new BMW 3 Series Touring. Short version.



The BMW 3 Series is the founder of the modern sports sedan segment and has been fêted as an icon of this vehicle class for 40 years. Over what is now six model generations, the BMW 3 Series has set the standard for dynamic excellence, efficiency and design, forging an emotionally rich connection between a sporting driving experience and unbeatable everyday practicality. Around one in every four BMWs sold is a BMW 3 Series Sedan or BMW 3 Series Touring, which makes this model series the most successful in the BMW brand's line-up. Sharper design, even more advanced technology and cutting-edge engines ensure the new BMW 3 Series Sedan and new BMW 3 Series Touring are a more attractive proposition than ever before. The new BMW 3 Series model range will be available with an extensive spread of engines from launch. Four petrol units and seven diesels are available, developing from 85 kW/116 hp to 240 kW/326 hp (combined fuel consumption: 7.9–3.8 l/100 km [35.8 – 74.3 mpg imp]; combined CO<sub>2</sub> emissions: 185–99 g/km)\*. They can be linked up with a six-speed manual gearbox and an eight-speed Steptronic transmission (standard on the BMW 330d, BMW 335d and BMW 340i Touring). The new BMW 3 Series is available with classical rear-wheel drive or BMW xDrive intelligent all-wheel drive, depending on the model.

## **Great exterior presence, sophisticated and high-quality interior.**

The design of the new BMW 3 Series stands out with even greater precision and various detail improvements. At the front end, new aprons with revised air intakes accentuate the feeling of width, while the sensor for the optional Active Cruise Control (ACC) is harmoniously integrated into the central air intake. The sculptural rear apron design, including a Line-specific trim element, and standard LED rear lights likewise emphasise the car's width and thus its sporting appearance. An innovative lighting concept, featuring newly designed headlights and striking LED daytime driving lights, underlines the car's sporty and powerful visual appeal. Full-LED headlights can now be specified as an option. The interior, meanwhile, makes an even classier impression with new materials and additional chrome highlights for the controls, air vents and central control panel. The newly crafted centre console with a sliding cover for the cupholders enables better use of the storage surfaces forward of the gearshift lever and takes the outstanding ergonomics of the BMW 3 Series to an even higher level. A wide range of personalisation options as far as upholstery and interior trim elements are

\* Figures according to ECE test cycle, may vary depending on the tyre format specified.

concerned, as well as new wheels, exterior colours and equipment options, round off the specification choices for the new BMW 3 Series.

### **Setting the benchmark – even sportier, even more efficient.**

All the three-, four- and six-cylinder petrol engines for the BMW 3 Series model range and the four-cylinder diesel units in the BMW 316d, BMW 318d and BMW 320d are now sourced from the newly developed, modular BMW EfficientDynamics engine family. Features including revised turbochargers help give the new four-cylinder diesel engines even sharper responses, while the three-cylinder petrol engine is a new addition to both the BMW 3 Series model range and the segment as a whole. Making its BMW 3 Series debut is the four-cylinder petrol engine in the BMW 320i Sedan/BMW 320i Touring (combined fuel consumption: 5.9–5.3/6.3–5.5 l/100 km [47.9–53.3/44.8–51.4 mpg imp]; combined CO<sub>2</sub> emissions: 138–124/147–129 g/km)\*. Celebrating their world premiere, meanwhile, are the four-cylinder unit in the BMW 330i Sedan/BMW 330i Touring (combined fuel consumption: 6.5–5.5/6.7–5.8 l/100 km [43.5–51.4/42.2–48.7 mpg imp]; combined CO<sub>2</sub> emissions: 151–129/157–135 g/km)\* as well as the six-cylinder petrol unit in the BMW 340i Sedan/BMW 340i Touring (combined fuel consumption: 7.7–6.5/7.0–6.8 l/100 km [36.7–43.5/40.4–41.5 mpg imp]; combined CO<sub>2</sub> emissions: 179–152/164–158 g/km)\*. Despite their superior power, further improvements have also been made to the efficiency of the engines; fuel consumption and CO<sub>2</sub> emissions are down by as much as 11 per cent. The new 320d EfficientDynamics Edition Sedan (combined fuel consumption: 4.3–3.8 l/100 km [65.7–74.3 mpg imp]; combined CO<sub>2</sub> emissions: 113–99 g/km)\* develops 120 kW/163 hp, yet emits just 99 g/km of CO<sub>2</sub> when the eight-speed Steptronic transmission and standard tyres are specified. Indeed, the new transmissions also contribute to the increased efficiency of all variants.

On cars specified with the six-speed manual gearbox, the engagement speed control function automatically blips the throttle on downshifts, for example. The eight-speed Steptronic transmission allows multiple sequential downshifts, which has a positive effect on smoothness and acoustics. The coasting function, meanwhile, increases efficiency by another notch. The further developed dampers, stiffer suspension and even more precise steering of the new BMW 3 Series ensure a clear elevation of the new BMW 3 Series' dynamic potential, combined with the same impressive ride quality as that of its predecessor.

### **New Navigation system Professional and LTE mobile technology.**

BMW plays a leading role in the link-up of driver, vehicle and outside world. Its BMW ConnectedDrive range of products and services offers a unique selection of web-based services and innovative driver assistance systems designed to enhance comfort and improve safety. For example, the full-colour BMW Head-Up Display in the new BMW 3 Series enables all relevant information to be displayed directly in the driver's field of vision, leaving the motorist to concentrate fully on the road ahead. The Navigation system Professional impresses in city centres, in particular, with quicker start-up, significantly faster route calculation and even more realistic 3D graphics. The navigation maps are automatically updated free of charge for a period of three years. In the owner's home region, the embedded SIM card allows these updates to take place automatically over the air via the mobile phone network. The new BMW 3 Series is the first model (depending on the equipment specified) in the premium mid-size sports segment to support the fastest current mobile technology standard (LTE). The Parking Assistant now enables automatic parallel parking as well, while Auto PDC also automatically activates the front parking sensors when manoeuvring.

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> emissions and 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>. LeitfadenCO<sub>2</sub> (GuidelineCO<sub>2</sub>) (PDF – 2.7 MB)

## 2. The latest instalment in an iconic history. Setting the standard for 40 years.



The BMW 3 Series created the modern sporting sedan segment 40 years ago and has since set the pace among its rivals as far as dynamics, efficiency and emotionally rich design are concerned. The latest-generation BMW 3 Series represents another flawless embodiment of this commitment to benchmark excellence.

### **The original – more attractive than ever before.**

Since 1975 the BMW 3 Series has furnished regular evidence of its dynamic ability. Whether in comparison tests, on the race track or in everyday use, it has traditionally set the benchmark in the sporting mid-size segment. Introduced to complement classical rear-wheel drive in the model-line up, BMW xDrive intelligent all-wheel drive has also underlined this commitment to pre-eminence. The new BMW 3 Series Sedan and new BMW 3 Series Touring embody unbeatable efficiency in their class and combine leading fuel economy with the sporting ability customers expect from a BMW. The cars' dynamic talents are reflected in their looks, which impress with their precision, tautness and elegance. The new BMW 3 Series is the original in its class – and now, with this latest model refresh, it is more attractive than ever before.

### **From straightforward product to the most important model series in the BMW portfolio.**

In 1975 BMW opened the first chapter in a success story destined to endure for decades. The first generation of the BMW 3 Series was referred to by its development code E21, and by 1983 sales of the all-new mid-size model – its four- and six-cylinder engines developing between 55 kW and 105 kW – had reached almost 1.4 million examples. Its successor, the E30, brought with it a new development: the first six-cylinder diesel engine in the expanding sports sedan segment. Additional variants – a four-door model, touring model and Convertible, as well as the introduction of optional all-wheel drive – provided the second generation of the BMW 3 Series with the platform to expand its potential between 1982 and 1994. Next up was the E36 (1990 – 1999), the first BMW 3 Series also available in Coupe form, whose four-cylinder diesel engines further bolstered the model series' status as a segment leader. The E46 generation (1998 – 2006) managed to increase performance yet also make more efficient use of diesel through the introduction of common rail direct injection. In 2005 the fifth-generation BMW 3 Series arrived in the shape of the E90, with efficiency and dynamics once again noticeably

enhanced. The introduction of the EfficientDynamics package of measures in 2007 enabled BMW to further strengthen its leading position in this area.

### **A success story on race tracks as well as roads around the world.**

The BMW 3 Series has also illustrated its sporting pretensions through numerous successes in motor sport competition down the years. The first BMW M3, for example – a sports version of the E30 with distinctive flared front wings – was designed as a homologation model for the German DTM touring car race series and went on to epitomise the family-friendly sports car. The BMW M3 duly won the World Touring Car Championship in 1987, its very first season in race competition. This and numerous other championship titles, plus countless race victories, make the Group A E30 BMW M3 the world's most successful touring car to date. Four victories in a row at the 24-hour race at the Nürburgring-Nordschleife, backed up by another eight wins recorded by the subsequent generation on the world's toughest race track (including back-to-back one-two finishes in 2004 and 2005) tell you all you need to know.

### **The 3 Series – the heart of the BMW brand.**

With its sporty dynamics and outstanding efficiency, the BMW 3 Series sets the benchmark in driving pleasure. This is also reflected in the sales success of the mid-size BMW: since it was first launched in 1975, over 14 million BMW 3 Series cars have been delivered worldwide – and the Sedan and Touring today account for around 25 per cent of total BMW vehicle sales. The BMW 3 Series therefore embodies the heart of the BMW brand more than any other model.

The new BMW 3 Series continues the successful history of this model series and is committed to building on its leading role in the mid-size sports segment. In sports sedan guise, it has brought together highly attractive, dynamic design with exceptional dynamics, efficiency and unbeatable practicality for four decades. And in Touring form, the BMW 3 Series has combined its top-class dynamic attributes with increased versatility to meet the challenges of leisure and everyday use since 1988.

### **3. Design and equipment.** **The segment founder – even higher quality, even greater presence.**



The eye-catching looks of the new BMW 3 Series imbue it with a striking presence on the road. The distinctively sculpted long bonnet and set-back passenger compartment team up with the short front and rear overhangs and long wheelbase to create the extremely dynamic proportions that are as much a hallmark of BMW as ideal 50:50 weight distribution. Precisely designed headlights further emphasise the dynamic credentials of the BMW 3 Series, while the powerful rear end of the Sedan and Touring, complete with a clearly defined new lighting design, underlines their sporting appearance to excellent effect.

#### **Individuality and personality.**

Revised headlights provide an even more vivid visual showcase for the dynamic flair of the new BMW 3 Series. LED indicators now positioned as “eyebrows” above the headlights and integrated in noticeably more horizontal form give the optional LED headlights a look of even greater concentration. In cars with standard specification, the headlights are joined by two LED daytime driving light units on each side. These light strips highlight the hallmark BMW twin headlight arrangement and create a stylistic link between the headlight units and the BMW kidney grille. They give the car a clear road presence in daylight, too, and ensure a strong recognition value both from a distance and in the dark.

#### **Full-LED lights and BMW Selective Beam as an option.**

The new BMW 3 Series can be ordered as an option with full-LED headlights, which are even more efficient than the xenon headlights offered to date and accentuate the sharper gaze of the front end. In addition, the “eyes” of the BMW 3 Series have moved further apart, visually strengthening the car’s broad stance on the road. The daytime driving lights are even more striking and precise thanks to the levelled off upper and lower edges of the LED light tubes. These also form a visual connection with the BMW kidney grille in the shape of an LED light bar. Another contributor to the technology leadership status of the new BMW 3 Series is the optional BMW Selective Beam system. The camera-based, anti-dazzle High Beam Assistant adjusts the car’s lights dynamically using actuators to ensure the road is illuminated as well as possible without dazzling oncoming traffic and vehicles travelling ahead. This helps to maximise the use of the main beam and significantly widen the

illuminated area in front of the car – further increasing driving pleasure, enhancing visibility and therefore improving safety at night.

**New width-enhancing effect and stronger visual presence.**

Broader side air intakes in the front apron give the new BMW 3 Series Sedan and new BMW 3 Series Touring an even stronger stylistic presence. This powerful appearance is further underlined by the strikingly sculptural and precise form of the bumpers. The new, more intricate structure of the central air intake also allows the radar sensor for the Active Cruise Control (ACC) to be integrated more discreetly.

The rear end with its sporty design also impresses with its likewise highly sculptural, clearly defined lines. The newly designed rear lights are full-LED units. The light bars, arranged in a distinctive BMW “L” shape and now more heavily curved, lend greater dynamic presence to the rear end of the car even when it is stationary. Added to which, the integrated LED brake lights raise safety another notch thanks to their faster responses. The two-piece LED indicators form a horizontal band of light across both sections of the rear lights and provide extremely even and consistent light. They stretch into the boot lid (or the tailgate on the BMW 3 Series Touring) and underline the car’s sporty looks. The wider, Line-specific trim element on the rear apron lends additional emphasis to this dynamic appearance. The Line badge on the car’s front side panels is now more three-dimensional in design.

The top-of-the-line petrol engine in the BMW 340i comes with an exhaust system featuring individual 80-millimetre tailpipes on the left and right, while the engines for the 320i and 320d models upwards now come with twin tailpipes, each 70 millimetres in diameter. The tailpipe for the entry-level models measures 75 millimetres in diameter. The sporting appearance of the new BMW 3 Series is underlined visually and functionally by a new range of wheels. Rims up to 19 inches are available as an option, and the Original BMW Accessories range also includes 20-inch items.

**High-quality interior, unimpeachable ergonomics.**

The interior faithfully reflects the dynamic and elegant lines of the sporty BMW 3 Series model range. The cockpit’s driver focus is a signature BMW feature and provides optimum access to all the important functions. The outstanding ergonomics of the BMW 3 Series have been improved further still and additional, carefully arranged chrome highlights and high-gloss surfaces give the interior an even classier look.

The central control panel in the centre console comes in high-gloss black. If the interior lighting package is specified, it also features an ambient lighting

surround and is imbued with an even greater feeling of quality by additional chrome applications. Chrome accents make the newly designed controls for the electric seat adjustment, for example, clearer to the eye. Moreover, their improved form and feel allow them to be used even more intuitively. Chrome applications are also a feature of the electric window controls and air vents, bringing added high-quality accents to the interior. In cars with the Luxury Line, Sport Line or M Sport package specified, the accent strip in the instrument panel continues expansively into all four doors, emphasising the generous levels of space for the passengers and providing a classy ambience. The cupholders in the centre console add another practical feature and now have a sliding cover. An additional practical storage area for items such as a smartphone is positioned forward of the cupholders.

### **Lines enable further individualisation.**

Offered as an alternative to standard specification and the Advantage option – which includes features such as Park Distance Control at the rear and Cruise Control with Braking function as standard – the Sport Line and Luxury Line equipment lines lend the new BMW 3 Series an individual character of their own, while the M Sport package offers additional options designed to further increase road presence and driving pleasure.

In addition to the new, optional Corner Anthracite cloth upholstery with accent colour, cars in standard specification can also be ordered with the Oyster colour variant for cloth/leather and leather seats and new 16-, 18- and 19-inch wheels as an option. The Sport Line and Luxury Line equipment lines and the M Sport package can now also be specified as an option with the “ash black” wood panel with metal inlay. Sport Line models offer new leather upholstery variants with accents in Veneto Beige and Saddle Brown. The same applies to cars with the Luxury Line, which can also be specified with new bi-colour 18-inch light-alloy wheels in multi-spoke design. Among the features of the M Sport package are the M aerodynamic package, an M leather steering wheel, M Sport suspension and front sports seats, the anthracite-coloured BMW Individual headliner and the Driving Experience Control switch with additional Sport+ mode. This seriously sporty equipment variant is also available with the new leather upholstery options with accents. Now available in addition to the exclusive 18- and 19-inch M light-alloy wheels is an 18-inch light-alloy wheel option in Orbit Grey.

Customers can choose from a total of 16 exterior colours for their new BMW 3 Series. New additions to the range include striking Mediterranean Blue metallic, Platinum Silver metallic and Jatoba metallic, in addition to the Individual colour Champagne Quartz metallic. The Estoril Blue metallic shade is still reserved exclusively for cars equipped with the M Sport package.

### **Honing the character of the BMW M3 as well.**

Reflecting the even more sharply defined, dynamic design and even higher-quality interior introduced for the new BMW 3 Series model range, the BMW M3 now also gains newly designed full-LED rear lights and precise, quality-feel chrome highlights for the interior. The latest-generation Navigation system Professional with LTE – the fastest mobile standard currently available – is now also an option for the BMW M3, while two new BMW Individual exterior colour shades (Smoked Topaz metallic and Champagne Quartz metallic) can be specified for the new BMW M3 in addition to the exclusive Tanzanite Blue metallic and Azurite Schwarz metallic BMW Individual paint finishes.

## 4. Powertrain and chassis. Raising the benchmark – even sportier, even more efficient.



The BMW 3 Series has symbolised driving enjoyment combined with frugal fuel consumption for the past 40 years. Now the new BMW 3 Series Sedan and the new BMW 3 Series Touring are raising the bar yet again. The engine range comprises a total of four petrol engines, with outputs ranging from 100 kW (136 hp) to 240 kW (326 hp), and seven diesel engines with outputs from 85 kW (116 hp) to 230 kW (313 hp) (combined fuel consumption: 7.9–3.8 l/100 km [35.8–74.3 mpg imp]; combined CO<sub>2</sub> emissions: 185–99 g/km)\*. All the three-, four- and six-cylinder petrol engines and the four-cylinder diesel units in the BMW 316d, BMW 318d and BMW 320d are now sourced from the newly developed, modular BMW EfficientDynamics engine family and are equipped with the latest BMW TwinPower Turbo technology, which combines exceptional performance with excellent fuel efficiency. For example, the 120 kW/163 hp BMW 320d EfficientDynamics Edition Sedan with standard tyres and eight-speed Steptronic transmission boasts fuel consumption of just 3.8 l/100 km (74.3 mpg imp)\*, which corresponds to CO<sub>2</sub> emissions of just 99 g/km\*. Looking further ahead, the BMW 3 Series will celebrate a very special milestone in 2016 with the launch of the BMW 330e. The BMW 330e will be powered by a plug-in hybrid drive system with a combined output of 185 kW/252 hp<sup>1)</sup>, giving the BMW 330e a 0 – 100 km/h (62 mph) acceleration time of 6.3 seconds<sup>1)</sup> and a top speed of 225 km/h (140 mph)<sup>1)</sup>. Combined fuel consumption will work out at just 2.1 l/100 km (134.5 mpg imp)\*<sup>1)</sup>, corresponding to combined CO<sub>2</sub> emissions of just 49 g/km\*<sup>1)</sup>.

### **All models in the new engine family are EU6-compliant.**

All members of the new modular engine family share a common design blueprint, with an in-line cylinder arrangement, a displacement per cylinder of 500 cc and very lightweight, thermally optimised all-aluminium construction. The crankcase is very rigid due to its closed-deck design – which means that the cylinder water jacket is closed at the top – while thermally joined, high-strength cylinder liners with twin-wire, arc-sprayed coating save weight and reduce internal friction.

The three- and four-cylinder engines have balancer shafts for smooth performance throughout the engine speed range. The uncompromising modular design is also reflected in standardised interfaces for the engine mounts and the connections to the cooling system, intake and exhaust systems as well as the heating and air conditioning system.

\* Fuel consumption figures according to ECE test cycle, may vary depending on tyre format.  
<sup>1)</sup> Provisional figures.

All the petrol engines in the new BMW 3 Series Sedan and the new BMW 3 Series Touring models feature an exhaust-manifold-integrated turbocharger. That means the exhaust gases have only a short distance to travel to the turbocharger system, resulting in an extremely agile response. On the BMW 320d, further improvements have been achieved by using anti-friction bearings instead of plain bearings. At the same time the system's significantly reduced internal friction makes itself felt even during the very short warm-up phase, resulting in substantially reduced cold-start fuel consumption. The close-coupled catalytic converter and the electrically operated boost pressure control valve (wastegate) further improve the emissions performance of the petrol engines.

### **Efficiently optimised performance.**

All the engines in the new BMW EfficientDynamics engine family are equipped with the latest generation of BMW's innovative TwinPower Turbo technology, which in the case of the petrol engines feature TwinScroll turbocharging, High Precision Injection and Double-VANOS variable camshaft timing. They additionally feature VALVETRONIC fully variable valve timing.

The BMW TwinPower Turbo technology for the diesel engines comprises VNT turbocharging (twin-turbocharging on the BMW 325d and BMW 335d) and latest-generation common rail direct injection, which with maximum injection pressures of 2,000 bar provides a particularly effective way of reducing fuel consumption and emissions.

With their highly efficient performance optimisation, based on BMW's globally pioneering TwinPower Turbo technology, the new engines in the new BMW 3 Series Sedan and new BMW 3 Series Touring models are once again segment leaders on performance and fuel efficiency.

### **Four-cylinder performance, three-cylinder fuel consumption.**

Even the entry-level engine version in the new BMW 3 Series Sedan and new BMW 3 Series Touring range offers typical BMW sporty performance. The new 136 hp BMW 318i (Sedan: combined fuel consumption: 5.5–5.0 l/100 km [51.4–56.5 mpg imp]; combined CO<sub>2</sub> emissions: 129–116 g/km; Touring: combined fuel consumption: 5.9–5.3 l/100 km [47.9–53.3 mpg imp]; combined CO<sub>2</sub> emissions: 137–124 g/km)\*, which replaces the previous BMW 316i, is the first ever sporty mid-sized model from BMW to be fitted with the new three-cylinder petrol engine. Among the highlights of this engine are its compact dimensions and low weight, excellent performance capabilities that also go hand in hand with exemplary fuel efficiency and typical three-cylinder qualities such as sharp response, extremely eager revving and a dynamic and sporty engine sound.

\* Fuel consumption figures according to ECE test cycle, may vary depending on tyre format.

A further advantage of the new three-cylinder engine is its good vibration characteristics. Like a six-cylinder in-line engine, which is a benchmark in this respect, it generates no first- and second-order inertia forces. At the same time, a balancer shaft counteracts engine roll torque for impeccable refinement throughout the engine speed range.

Both the BMW 318i Sedan and the BMW 318i Touring are powered by this turbocharged three-cylinder petrol unit, which delivers maximum power of 100 kW/136 hp between 4,500 and 6,000 rpm, from a displacement of 1.5 litres. Peak torque of 220 Nm (162 lb-ft) is available from 1,250 rpm. For short periods this can be increased – for safe overtaking – to 230 Nm (170 lb-ft) using the overboost function, which can be activated by kickdown. With the six-speed manual gearbox, the BMW 318i accelerates from 0 to 100 km/h (62 mph) in just 8.9 seconds, on the way to a top speed of 210 km/h (130 mph). Despite this dynamic performance, however, the CO<sub>2</sub> emissions of the BMW 318i are just 119 g/km\* (with eight-speed Steptronic transmission), a more than 13 per cent improvement over the previous BMW 316i.

#### **Four-cylinder petrol engine has higher output yet lower fuel consumption.**

Also celebrating its world premiere in the new BMW 3 Series is a new 2.0-litre four-cylinder in-line unit. Fitted in the new BMW 320i Sedan/new BMW 320i Touring (combined fuel consumption: 5.9–5.3/6.3–5.5 l/100 km [47.9–53.3/44.8–51.6 mpg imp]; combined CO<sub>2</sub> emissions: 138–124/147–129 g/km)\*, it develops maximum output of 134 kW/184 hp between 5,000 and 6,500 rpm and maximum torque of 290 Nm (214 lb-ft) at 1,350 rpm (with six-speed manual gearbox and traditional rear-wheel drive). The 2.0-litre four-cylinder in-line engine marks its world debut in the new BMW 330i Sedan/new BMW 330i Touring (combined fuel consumption: 6.5–5.5/6.7–5.8 l/100 km [43.5–51.4/42.2–48.7 mpg imp]; combined CO<sub>2</sub> emissions: 151–129/157–135 g/km)\*, the successor to the previous BMW 328i, where it generates 185 kW/252 hp between 5,200 and 6,500 rpm and 350 Nm (258 lb-ft) from 1,450 rpm. This gives the new BMW 330i Sedan with eight-speed Steptronic transmission a 0 – 100 km/h (62 mph) sprint time of 5.8 seconds (Touring: 5.9 seconds) and a top speed of 250 km/h (155 mph) in both the Sedan and Touring models. Nevertheless, the CO<sub>2</sub> emissions of the BMW 330i Sedan with standard tyres have fallen compared with the previous model by more than 12 per cent, to 129 g/km\* (Touring: 135 g/km)\*.

#### **Dynamic new six-cylinder petrol engine.**

The new BMW 3 Series also sees the world debut of the BMW 340i Sedan/BMW 340i Touring (combined fuel consumption: 7.7–6.5/7.0–

\* Fuel consumption figures according to ECE test cycle, may vary depending on tyre format.

6.8 l/100 km [36.7–43.5/40.4–41.5 mpg imp]; combined CO<sub>2</sub> emissions: 179–152/164–158 g/km)\*, which replace the previous 335i. The BMW 340i is the first model in the entire BMW line-up to be powered by the all-new six-cylinder engine from the new modular BMW EfficientDynamics engine family. The lightweight and rigid all-aluminium unit with BMW TwinPower Turbo technology provides a perfect blend of superb performance and outstanding efficiency. The new three-litre six-cylinder in-line BMW 340i tops the 3 Series petrol line-up and develops maximum power of 240 kW/326 hp between 5,500 and 6,500 rpm, a 15 kW/20 hp improvement over the previous model. Peak torque is an impressive 450 Nm (332 ft-lb), which is available from 1,380 rpm. The new BMW 340i Sedan with eight-speed Steptronic transmission goes from 0 – 100 km/h (62 mph) in just 5.1 seconds, with a governed top speed of 250 km/h (155 mph). And although it offers significantly more power and superior torque (up by 50 Nm/37 lb-ft) compared with the predecessor model, CO<sub>2</sub> emissions for the new BMW 340i Sedan with standard tyres are more than 10 per cent down on the previous BMW 335i, Sedan at 152 g/km\*.

### **Brawny diesel engines with frugal fuel consumption.**

Big efficiency improvements have also been achieved on the optimised four-cylinder diesel units, which belong to the same new modular family as the petrol engines. The latest improvements are down to BMW TwinPower Turbo technology, with VNT turbocharging and high-pressure common rail direct injection. For example, the 85 kW/116 hp BMW 316d Sedan with standard tyres burns just 3.9 l/100 km [72.4 mpg imp)\*, which means CO<sub>2</sub> emissions of 102 g/km\*.

The output of the new BMW 320d has risen beyond that of its predecessor model (up from 135 kW/184 hp to 140 kW/190 hp at 4,000 rpm) and CO<sub>2</sub> emissions have been reduced by more than nine per cent. With its powerful torque of 400 Nm (295 lb-ft), which is on stream between 1,750 and 2,500 rpm, the new BMW 320d Sedan with eight-speed Steptronic transmission returns a 0 – 100 km/h (62 mph) time of 7.2 seconds, two tenths of a second less than the previous BMW 320d Sedan. The new BMW 320d achieves a top speed of 230 km/h (143 mph), but generates CO<sub>2</sub> emissions of just 106 g/km\*.

### **New manual and automatic transmissions.**

The new BMW 3 Series Sedan and new BMW 3 Series Touring can be fitted with a six-speed manual transmission or eight-speed Steptronic unit (standard on the BMW 330d, BMW 335d and BMW 340i Touring). The crisp-shifting six-speed manual transmission, featuring optimal ratio spacing, comes with a dual-mass flywheel with centrifugal pendulum absorbers. This technology, which made its world debut in a production-model 320d EfficientDynamics

Edition, counteracts uneven running on high-torque engines so that drivers can change up smoothly and without any unpleasant booming noise even at low engine speeds – leading to a further reduction in fuel consumption and CO<sub>2</sub> emissions. The six-speed manual transmission also comes with engagement speed control, which means the engine is automatically brought to the right rpm for the next gear when changing up or down, resulting in improved smoothness.

The new eight-speed Steptronic transmission, like the six-speed unit, also plays an important part in reducing CO<sub>2</sub> emissions. Its improved efficiency, wider gear spread and reduced torque converter slip during gear shifts reduce CO<sub>2</sub> emissions by three per cent. At the same time, improved damping of engine irregularities make for improved comfort and smoother shifting. Sporty drivers will also enjoy the eight-speed Steptronic transmission. In Sport+ transmission mode, it allows the driver to rev the engine right up to the rev limiter, and also to perform multiple sequential downshifts. For even greater driving pleasure, the eight-speed Steptronic Sport transmission is available with steering wheel paddle shifters.

Further economy benefits are offered by the eight-speed Steptronic transmission's coasting mode. When the driver lifts off the throttle at higher speeds, for example on a gentle downhill grade on the motorway, the engine is automatically decoupled from the powertrain. It then simply ticks over in neutral, which saves fuel and ensures there is no unwanted engine braking at high speed. A further fuel-saving feature, which also improves driving comfort, is the new Proactive Driving Assistant, which uses information from the navigation system to "anticipate" upcoming roundabouts, corners and junctions and select exactly the right time to change gear.

**Dynamic all-wheel drive system optionally available.**

As an alternative to the classic BMW rear-wheel-drive set-up, the BMW 320i, 330i, 340i, 318d, 320d and 330d variants of the new BMW 3 Series model range can optionally be specified with BMW xDrive intelligent all-wheel drive. The BMW 335d is fitted with this technology as standard. BMW xDrive combines the customary advantages of all-wheel drive such as optimal power transfer to the road, excellent safety and maximum traction, for example in wintry conditions, with hallmark BMW agile and precise handling. BMW xDrive efficiently reduces understeer and oversteer when cornering and improves driving dynamics, for example when steering into a corner or accelerating out of even the tightest hairpin bends.

### **Sporty, agile and comfortable suspension.**

The BMW 3 Series has been the benchmark in driving dynamics for generations. The further developed damper technology and stiffer suspension of the new BMW 3 Series Sedan and new BMW 3 Series Touring team up with a more finely honed steering set-up to deliver significantly enhanced dynamic capabilities without any compromise on comfort. The retuned suspension improves both transverse and longitudinal dynamics under all payload conditions. This is expressed in reduced roll, unwavering directional stability and an exceptionally high level of steering precision. This is true of the standard suspension as well as the M Sport suspension and adaptive suspension options. The latter offers electronically controlled dampers and allows individual adjustment of the car's dynamic responses at the touch of a button. Continuous sensor monitoring of longitudinal and lateral acceleration, speed and steering angle allows the damping to be optimally matched to road characteristics and the driving situation. Rear-wheel-drive variants also feature a 10-millimetre drop in ride height. Drivers can use the Driving Experience Control switch to choose between a more comfort-biased setting or more sporty characteristics at any time.

## 5. **BMW EfficientDynamics.** **Superb performance, exceptionally low fuel consumption.**



The driving enjoyment offered by the new BMW 3 Series Saloon and new BMW 3 Series Touring models is based not just on excellent performance but also on excellent fuel economy – a combination achieved with the help of the trailblazing BMW EfficientDynamics package. New, more fuel-efficient petrol and diesel engines, mated with further improved manual and automatic transmissions, Auto Start Stop, Brake Energy Regeneration, on-demand operation of ancillary units and the ECO PRO mode, ensure that the new BMW 3 Series not only delivers typical BMW sporty performance but also benchmark fuel consumption and emissions.

### **High-tech engines offer superior efficiency.**

The innovative three-, four- and six-cylinder petrol engines powering the new BMW 3 Series offer exceptional power, typical BMW fast-revving performance and superb refinement, coupled with maximum efficiency. These qualities are achieved with the help of trailblazing BMW TwinPower Turbo technology with TwinScroll turbocharging, High Precision Injection, double VANOS variable camshaft timing and VALVETRONIC fully variable valve timing. State-of-the-art BMW TwinPower Turbo technology is also used on the new BMW 3 Series four- and six-cylinder diesel models. The combination of turbocharging and latest-generation common rail direct injection, with maximum injection pressures of 2,000 bar, ensures impressive torque and refinement combined with unsurpassed efficiency

### **Optimised transmissions and intelligent energy management.**

The newly developed manual and automatic transmissions also play an important role in reducing fuel consumption and emissions. Both types of transmission feature optimised efficiency, compact design and low weight, and are able to support a relaxed, low-rev and extra-fuel-efficient driving style. Further potential for savings is offered by the intelligent transmission control strategy. Amongst other things, a Proactive Driving Assistant (for models fitted with the eight-speed Steptronic transmission) uses navigation data to work out in advance where the driver will have to slow down on the upcoming route and adapts the powertrain strategy accordingly. It also passes on appropriate recommendations to the driver, if desired.

All the new BMW 3 Series Saloon and new BMW 3 Series Touring models are equipped as standard with the Auto Start Stop function and Brake Energy

Regeneration. Further savings are offered by intelligent energy management for the ancillary units. This includes the on-demand coolant pump, electronically controlled oil pump and electromechanical power steering that consumes no electrical power when steering straight ahead. Also, whenever the air conditioning is not being used, its compressor is automatically disconnected.

Further fuel-saving measures include the ECO PRO mode, selectable using the Driving Experience Control switch, the ECO PRO Route navigation feature and the coasting function on models with eight-speed Steptronic transmission, which disconnects the engine if the driver lifts off the throttle at higher speeds. The engine then idles in neutral, consuming less fuel.

### **BMW 320d EfficientDynamics Edition: fuel consumption of just 3.8 l/100 km (mpg imp).**

The fuel-saving potential of BMW EfficientDynamics is reflected most clearly in the new BMW 320d EfficientDynamics Edition Sedan/new BMW 320d EfficientDynamics Edition Touring (combined fuel consumption: 4.3–3.8/4.5–4.0 l/100 km [65.7–74.3/62.8–70.6 mpg imp]; combined CO<sub>2</sub> emissions: 113–99/118–104 g/km). These models are powered by a modified 2.0-litre turbodiesel engine developing maximum power of 120 kW/163 hp at 4,000 rpm and maximum torque of 400 Nm (295 lb-ft) between 1,750 and 2,250 rpm. With its optimised transmission configuration, modified gear shift indicator on models with a six-speed manual transmission, low-rolling-resistance tyres, a partially masked kidney grille and lowered ride height, the BMW 320d EfficientDynamics Edition Sedan records fuel consumption (models with eight-speed Steptronic transmission and standard tyres) of just 3.8 l/100 km (74.3 mpg imp)\*, with emissions of just 99 g/km\* CO<sub>2</sub>.

### **Plug-in hybrid with CO<sub>2</sub> emissions of just 49 g/km\*<sup>1)</sup>.**

The BMW 330e (combined fuel consumption: 2.1 l/100 km [134.5 mpg imp]; combined CO<sub>2</sub> emissions: 49 g/km)\*<sup>1)</sup>, which will join the range in 2016, will mark a further milestone in fuel efficiency in this segment. Its state-of-the-art plug-in hybrid technology combines a 135 kW/184 hp<sup>1)</sup> 2.0-litre petrol engine with an 80 kW electric motor. The combined output of 185 kW (252 hp)<sup>1)</sup> and combined maximum torque of 420 Nm (310 lb-ft)<sup>1)</sup> give the BMW 330e a 0 – 100 km/h (62 mph) acceleration time of just 6.3 seconds<sup>1)</sup> and a top speed of 225 km/h (140 mph)<sup>1)</sup>. The BMW 330e combines these new benchmarks with fuel consumption of just 2.1 l/100 km (134.5 mpg imp)\*<sup>1)</sup>, which corresponds to CO<sub>2</sub> emissions of just 49 g/km\*<sup>1)</sup>. The new BMW 330e is also capable of travelling up to 35 kilometres (approx. 22 miles)<sup>1)</sup> – for example around town – in all-electric mode and therefore with zero local emissions.

\* Fuel consumption figures according to ECE test cycle, may vary depending on tyre format.  
<sup>1)</sup> Provisional figures.

## 6. **BMW ConnectedDrive.** **Optimum connectivity and intelligent driver assistance systems.**



BMW has been setting the standard for connectivity between human, car and the outside world for many years now. With yet more new functions added to the unrivalled combination of mobility services and driver assistance systems, BMW ConnectedDrive is providing another impressive demonstration of its pioneering abilities in the new BMW 3 Series range, while once again ensuring supreme safety, comfort and infotainment.

### **Fastest mobile technology on board.**

The optional latest-generation Navigation system Professional boasts quicker start-up, even faster route calculation along with more realistic 3D visualisation in cities. The navigation system is also adaptive, so that when the driver deliberately deviates from a suggested route several times the system will start to propose the new “learned” route as the standard one for reaching the selected destination. Automatic map updating (which is free of charge for the first three years) and the ConnectedDrive Services enable individual regions of the navigation map to be updated wirelessly over the air by means of the vehicle’s integrated SIM card. This is carried out in the background while in the home region. The new BMW 3 Series is also the first car in its segment to support LTE – the fastest mobile standard currently available – when fitted with the Navigation system Professional and the extended smartphone connectivity option. This greatly improves network coverage and data transmission speeds, especially in rural areas.

ConnectedDrive Services form part of the standard specification of the BMW 3 Series. A SIM card built into the vehicle enables the customer to enjoy optimum connectivity and access to the unrivalled range of services from BMW ConnectedDrive without the need for a smartphone. The Concierge Service, for example, makes it possible to select points of interest while driving, such as pharmacies, restaurants or hotels, make a reservation if desired, and have them sent straight to the vehicle as a navigation destination together with all the relevant contact data. Smartphone apps that have been optimised for BMW, such as Audible, Deezer, GoPro and Spotify, can furthermore be used with the greatest of ease via the car’s display and control concept. The full portfolio of services from BMW ConnectedDrive can be ordered particularly quickly and flexibly by visiting the new BMW ConnectedDrive Store – directly from the vehicle as well.

Intelligent Emergency Call, another standard feature in the BMW 3 Series, ensures maximum safety out on the road. If the airbags are triggered in an accident, this system uses the built-in SIM card to automatically transmit the severity of the accident, the potential risk of injury to the occupants and the vehicle's location to the BMW Call Centre. This information is then used to arrange the best possible emergency response while the Call Centre stays in contact with the occupants if desired. The manual emergency call function, meanwhile, allows rapid help to be summoned for other road users in emergency situations.

**Head-Up Display: information in the driver's immediate field of view.**

A full-colour, high-resolution Head-Up Display is available as an option for the new BMW 3 Series. All relevant information, such as speed, navigation instructions, speed limits and overtaking bans, appears here in an optimum position in the driver's field of view. The safety information from the Driving Assistant package (Collision Warning with City Braking function, Pedestrian Warning with City Braking function, Attentiveness Assistant, plus Lane Departure Warning) as well as information relating to telephone and media operation is also shown in the Head-Up Display.

**Parking Assistant for parallel and transverse parking.**

The Parking Assistant in the new BMW 3 Series helps the driver to park in both parallel spaces and spaces that are perpendicular to the road. At speeds below 35 km/h (approx. 22 mph) ultrasonic sensors measure potential parking spaces, which are then shown in the central information display. If the driver now activates the Parking Assistant, the car will steer itself into the space while the driver merely has to control the accelerator and brake or switch between forward and reverse gear when prompted. The Parking Assistant also includes the new Auto PDC function, which allows the Park Distance Control to switch on automatically when approaching an object at the front and display the remaining distance. When traffic jam situations with stop-start traffic are detected, the Auto PDC function is deactivated.

## 7. Specifications. BMW 318i Sedan.



BMW 318i Sedan		
<b>Body</b>		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4633/1811/1429
Wheelbase	mm	2810
Track, front/rear	mm	1543/1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel tank capacity	approx. ltr	60
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	4.25
Weight, unladen, to DIN/EU	kg	1400/1475 (1425/1500)
Max load to DIN	kg	575
Max permissible weight	kg	1975 (2000)
Max axle load, front/rear	kg	905/1155
Max trailer load, Braked (12%/unbraked	kg	1300/695
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	480
Air resistance	C <sub>d</sub> x A	0.27 x 2.20 (0.28 x 2.20)
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/3/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection
Effective capacity	cc	1499
Stroke/bore	mm	94.6/82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	100/136
at	rpm	4400-6000
Max torque	Nm/lb-ft	220/162
at	rpm	1250-4300
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	180/2520
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering
Steering ratio, overall	:1	15.1
Tyres, front/rear		205/60 R16 92H
Rims, front/rear		7.0J x 16

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**BMW 318i Sedan**

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**Transmission**

Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.552 (5.000)
	II	:1	2.548 (3.200)
	III	:1	1.659 (2.143)
	IV	:1	1.230 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.830 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	4.138 (3.456)
Final drive		:1	3.077 (3.154)

**Performance**

Power-to-weight ratio	kg/kW	14.0 (14.3)
Output per litre	kW/ltr	66.7
Acceleration 0–100 km/h	sec	8.9 (9.1)
In 5th gear 80–120 km/h	sec	11.5 (–)
Top speed	km/h	210 (210)

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE<sup>2)</sup>**

Urban	ltr/100 km	7.0–6.4 (6.7–6.2)
Extra-urban	ltr/100 km	4.7–4.3 (4.6–4.3)
Combined	ltr/100 km	5.5–5.1 (5.4–5.0)
CO <sub>2</sub>	g/km	129–119 (126–116)
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 320i Sedan, BMW 320i xDrive Sedan.

		BMW 320i Sedan	BMW 320i xDrive Sedan
<b>Body</b>			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1543/1583	1542/1582
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.25	5.25
Weight, unladen, to DIN/EU	kg	1430/1505 (1450/1525)	1520/1595 (1530/1605)
Max load to DIN	kg	575	575
Max permissible weight	kg	2005 (2025)	2095 (2105)
Max axle load, front/rear	kg	935/1155	990/1180
Max trailer load, Braked (12%/unbraked	kg	1700 (1800)/695	1700 (1800)/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	480	480
Air resistance	C <sub>d</sub> x A	0.28 x 2.20	0.28 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	135/184	135/184
at	rpm	5000–6500	5000–6500
Max torque	Nm/lb-ft	290/214 (270/199)	270/199
at	rpm	1350–4250 (4600)	1350–4600
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (320i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.2
Tyres, front/rear		205/60 R16 92V	205/60 R16 92W
Rims, front/rear		7.0J x 16 light alloy	7.0J x 16 light alloy

		<b>BMW 320i Sedan</b>	<b>BMW 320i xDrive Sedan</b>
<b>Transmission</b>			
Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.551 (5.000)
	II	:1	2.548 (3.200)
	III	:1	1.659 (2.143)
	IV	:1	1.230 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.830 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	4.138 (3.456)
Final drive		:1	3.385 (2.813)
<b>Performance</b>			
Power-to-weight ratio	kg/kW	10.6 (10.7)	11.3 (11.3)
Output per litre	kW/ltr	67.6	67.6
Acceleration 0–100 km/h	sec	7.2 (7.3)	7.5 (7.6)
In 5th gear 80–120 km/h	sec	9.2 (–)	8.9 (–)
Top speed	km/h	235 (235)	232 (230)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	7.9–7.3 (7.6–6.9)	9.0–8.4 (8.0–7.4)
Extra-urban	ltr/100 km	4.8–4.5 (4.7–4.4)	5.5–5.2 (5.0–4.7)
Combined	ltr/100 km	5.9–5.5 (5.8–5.3)	6.8–6.4 (6.1–5.7)
CO <sub>2</sub>	g/km	138–128 (134–124)	159–149 (142–132)
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 330i Sedan, BMW 330i xDrive Sedan.

		<b>BMW 330i Sedan</b>	<b>BMW 330i xDrive Sedan</b>
<b>Body</b>			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1531/1572	1531/1570
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.25	5.25
Weight, unladen, to DIN/EU	kg	1470/1545 (1495/1570)	1565/1640
Max load to DIN	kg	575 (560)	550
Max permissible weight	kg	2045 (2055)	2115
Max axle load, front/rear	kg	945/1180	1010/1170
Max trailer load, Braked (12%/unbraked	kg	1800/745	1800/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	480	480
Air resistance	C <sub>d</sub> x A	0.29 x 2.20	0.29 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	10.2	10.2
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	185/252	185/252
at	rpm	5200–6500	5200–6500
Max torque	Nm/lb-ft	350/258	350/258
at	rpm	1450–4800	1450–4800
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	A/W	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (330i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.2
Tyres, front/rear		225/50 R17 94W	225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 330i Sedan</b>	<b>BMW 330i xDrive Sedan</b>
<b>Transmission</b>			
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	8-speed Steptronic
Gear ratios	I :1	3.683 (5.000)	5.000
	II :1	2.062 (3.200)	3.200
	III :1	1.313 (2.143)	2.143
	IV :1	1.000 (1.720)	1.720
	V :1	0.809 (1.314)	1.314
	VI :1	0.677 (1.000)	1.000
	VII :1	--- (0.822)	0.822
	VII :1	--- (0.640)	0.640
	R :1	3.348 (3.456)	3.456
Final drive	:1	3.909 (2.813)	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.9 (8.1)	8.5
Output per litre	kW/ltr	92.6	92.6
Acceleration 0–100 km/h	sec	5.9 (5.8)	5.8
In 5th gear 80–120 km/h	sec	6.9 (-)	(-)
Top speed	km/h	250 (250)	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	8.4–7.9 (7.4–7.0)	7.8–7.5
Extra-urban	ltr/100 km	5.4–5.1 (4.9–4.7)	5.2–5.0
Combined	ltr/100 km	6.5–6.1 (5.8–5.5)	6.2–5.9
CO <sub>2</sub>	g/km	151–143 (136–129)	144–138
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 340i Sedan, BMW 340i xDrive Sedan.

		BMW 340i Sedan	BMW 340i xDrive Sedan
<b>Body</b>			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1531/1572	1531/1570
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1530/1605 (1540/1615)	1600/1675 (1615/1690)
Max load to DIN	kg	560	550
Max permissible weight	kg	2090 (2100)	2150 (2165)
Max axle load, front/rear	kg	990/1175	1055/1180
Max trailer load, Braked (12%/unbraked	kg	1800/750	1800/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	480	480
Air resistance	C <sub>d</sub> x A	0.29 x 2.20	0.30 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	2998	2998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	240/326	240/326
at	rpm	5500–6500	5500–6500
Max torque	Nm/lb-ft	450/332	450/332
at	rpm	1380–5000	1380–5000
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (340i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15,2
Tyres, front/rear		225/50 R17 94W	225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 340i Sedan</b>	<b>BMW 340i xDrive Sedan</b>
<b>Transmission</b>			
Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.110 (5.000)
	II	:1	2.315 (3.200)
	III	:1	1.542 (2.143)
	IV	:1	1.179 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.846 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	3.727 (3.456)
Final drive		:1	3.231 (2.813)
<b>Performance</b>			
Power-to-weight ratio	kg/kW	6.4 (6.4)	6.7 (6.7)
Output per litre	kW/ltr	80.1	80.1
Acceleration 0–100 km/h	sec	5.2 (5.1)	5.0 (4.9)
In 5th gear 80–120 km/h	sec	5.2 (–)	5.5 (–)
Top speed	km/h	250 (250)	250 (250)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	10.4–10.0 (9.1–8.6)	10.7–10.4 (9.7–9.2)
Extra-urban	ltr/100 km	6.1–5.9 (5.5–5.3)	6.3–6.1 (5.9–5.6)
Combined	ltr/100 km	7.7–7.4 (6.8–6.5)	7.9–7.7 (7.3–6.9)
CO <sub>2</sub>	g/km	179–172 (159–152)	185–179 (169–162)
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 316d Sedan.

<b>BMW 316d Sedan</b>		
<b>Body</b>		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4633/1811/1429
Wheelbase	mm	2810
Track, front/rear	mm	1543/1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel tank capacity	approx. ltr	57
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	5.0
Weight, unladen, to DIN/EU	kg	1420/1495 (1430/1505)
Max load to DIN	kg	575
Max permissible weight	kg	1995 (2005)
Max axle load, front/rear	kg	910/1150
Max trailer load, Braked (12%/unbraked	kg	1700/745
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	480
Air resistance	C <sub>d</sub> x A	0.26 x 2.20
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	1995
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	85/116
at	rpm	4000
Max torque	Nm/lb-ft	270/199
at	rpm	1250-2750
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	150/2100
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/60 R16 92H
Rims, front/rear		7.0J x 16

**BMW 316d Sedan**

**Transmission**

Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.002 (5.000)
	II	:1	2.130 (3.200)
	III	:1	1.396 (2.143)
	IV	:1	1.000 (1.720)
	V	:1	0.781 (1.314)
	VI	:1	0.668 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	3.647 (3.456)
Final drive		:1	3.077 (2.813)

**Performance**

Power-to-weight ratio	kg/kW	16.7 (16.8)
Output per litre	kW/ltr	42.6
Acceleration 0–100 km/h	sec	10.7 (10.6)
In 5th gear 80–120 km/h	sec	11.8 (–)
Top speed	km/h	205 (204)

**BMW EfficientDynamics**

BMW EfficientDynamics standard features Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance

**Fuel Consumption ECE<sup>2)</sup>**

Urban	ltr/100 km	5.1–4.6 (5.1–4.6)
Extra-urban	ltr/100 km	3.8–3.5 (3.8–3.5)
Combined	ltr/100 km	4.3–3.9 (4.3–3.9)
CO <sub>2</sub>	g/km	113–102 (113–102)
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 318d Sedan, BMW 318d xDrive Sedan.

		<b>BMW 318d Sedan</b>	<b>BMW 318d xDrive Sedan</b>
<b>Body</b>			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1543/1583	1542/1582
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	57	57
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.0	5.0
Weight, unladen, to DIN/EU	kg	1430/1505 (1450/1525)	1500/1575
Max load to DIN	kg	575	575
Max permissible weight	kg	2050 (2070)	2075
Max axle load, front/rear	kg	920/1210	965/1170
Max trailer load, Braked (12%/unbraked	kg	1600 (1800)/745	1600/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	480	480
Air resistance	C <sub>d</sub> x A	0.26 x 2.20	0.27 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection	
Effective capacity	cc	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	110/150	110/150
at	rpm	4000	4000
Max torque	Nm/lb-ft	320/236	320/236
at	rpm	1500–3000	1500–3000
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	150/2100	150/2100
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (318d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.0	15.2
Tyres, front/rear		205/60 R16 92V	205/60 R16 92V
Rims, front/rear		7.0J x 16	7.0J x 16

		<b>BMW 318d Sedan</b>	<b>BMW 318d xDrive Sedan</b>
<b>Transmission</b>			
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	6-speed manual
Gear ratios	I :1	4.002 (5.000)	4.110
	II :1	2.130 (3.200)	2.248
	III :1	1.396 (2.143)	1.403
	IV :1	1.000 (1.720)	1.000
	V :1	0.781 (1.314)	0.802
	VI :1	0.668 (1.000)	0.659
	VII :1	--- (0.822)	---
	VII :1	--- (0.640)	---
	R :1	3.647 (3.456)	3.727
Final drive	:1	3.231 (2.813)	3.231
<b>Performance</b>			
Power-to-weight ratio	kg/kW	13.0 (13.2)	13.6
Output per litre	kW/ltr	55.1	55.1
Acceleration 0–100 km/h	sec	8.6 (8.4)	8.8
In 5th gear 80–120 km/h	sec	9.9 (-)	9.9
Top speed	km/h	215 (212)	212
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	5.3–4.9 (5.3–4.8)	5.9–5.4
Extra-urban	ltr/100 km	3.9–3.5 (3.9–3.6)	4.2–3.9
Combined	ltr/100 km	4.4–4.0 (4.4–4.0)	4.8–4.5
CO <sub>2</sub>	g/km	116–106 (116–106)	127–117
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 320d Sedan, BMW 320d EfficientDynamics Edition Sedan, BMW 320d xDrive Sedan.

		<b>BMW 320d Sedan</b>	<b>BMW 320d EfficientDynamics Edition Sedan</b>	<b>BMW 320d xDrive Sedan</b>
<b>Body</b>				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1416	4633/1811/1434
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1543/1583	1543/1586	1542/1582
Ground clearance	mm	140	127	145
Turning circle	m	11.3	11.3	11.7
Fuel tank capacity	approx. ltr	57	57	57
Cooling system incl heater	ltr	n.b.	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.0	5.0	5.0
Weight, unladen, to DIN/EU	kg	1430/1505 (1450/1525)	1420/1495 (1430/1505)	1515/1590 (1535/1610)
Max load to DIN	kg	575	550	575
Max permissible weight	kg	2005 (2025)	1970 (1980)	2090 (2110)
Max axle load, front/rear	kg	925/1145	915/1140	990/1180
Max trailer load, Braked (12%/unbraked)	kg	1600/745 (1800/745)	n.b./n.b. (1800/745)	1600/750 (1800/750)
Max roofload/max towbar download	kg	75/75	75/n.b.	75/75
Luggage comp capacity	ltr	480	480	480
Air resistance	C <sub>d</sub> x A	0.26 x 2.20	0.24 x 2.20	0.27 x 2.20
<b>Power Unit</b>				
Config/No of cyls/valves		In-line/4/4	In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection		
Effective capacity	cc	1995	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	140/190	120/163	140/190
at	rpm	4000	4000	4000
Max torque	Nm/lb-ft	400/295	400/295	400/295
at	rpm	1750–2500	1750–2250	1750–2500
<b>Electrical System</b>				
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	150/2100	150/2100	150/2100
<b>Driving Dynamics and Safety</b>				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in lightweight construction		
Brakes, front		Single-piston floating-calliper disc brakes / vented		
Brakes, rear		Single-piston floating-calliper disc brakes / vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (320d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator		
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering		
Steering ratio, overall	:1	15.0	15.0	15.2
Tyres, front/rear		205/60 R16 92W	205/60 R16 92V	205/60 R16 92W
Rims, front/rear		7.0J x 16 light alloy	7.0J x 16 light alloy	7.0J x 16 light alloy

		BMW 320d Sedan	BMW 320d EfficientDynamics Edition Sedan	BMW 320d xDrive Sedan
<b>Transmission</b>				
Type of transmission		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I :1	4.110 (5.000)	4.110 (5.000)	4.110 (5.000)
	II :1	2.248 (3.200)	2.248 (3.200)	2.248 (3.200)
	III :1	1.403 (2.143)	1.403 (2.143)	1.403 (2.143)
	IV :1	1.000 (1.720)	1.000 (1.720)	1.000 (1.720)
	V :1	0.802 (1.314)	0.802 (1.314)	0.802 (1.314)
	VI :1	0.659 (1.000)	0.659 (1.000)	0.659 (1.000)
	VII :1	--- (0.822)	--- (0.822)	--- (0.822)
	VII :1	--- (0.640)	--- (0.640)	--- (0.640)
	R :1	3.727 (3.456)	3.727 (3.456)	3.727 (3.456)
Final drive	:1	3.154 (2.813)	2.929 (2.813)	3.154 (2.813)
<b>Performance</b>				
Power-to-weight ratio	kg/kW	10.2 (10.4)	10.1 (10.2)	10.8 (11.0)
Output per litre	kW/ltr	70.2	70.2	70.2
Acceleration	0–100 km/h sec	7.3 (7.2)	7.9 (7.8)	7.4 (7.3)
In 5th gear	80–120 km/h sec	7.5 (–)	8.9 (–)	8.1 (–)
Top speed	km/h	235 (230)	230 (225)	233 (228)
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>				
Urban	ltr/100 km	5.3–4.9 (5.2–4.8)	5.2–4.7 (5.0–4.6)	5.8–5.3 (5.5–5.1)
Extra-urban	ltr/100 km	3.9–3.5 (3.9–3.6)	3.8–3.4 (3.6–3.3)	4.2–3.9 (4.2–3.8)
Combined	ltr/100 km	4.4–4.0 (4.4–4.0)	4.3–3.9 (4.1–3.8)	4.8–4.4 (4.7–4.3)
CO <sub>2</sub>	g/km	116–106 (116–106)	113–102 (109–99)	126–116 (123–112)
Emission rating		EU6	EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 325d Sedan, BMW 330d Sedan, BMW 330d xDrive Sedan.

		<b>BMW 325d Sedan</b>	<b>BMW 330d Sedan</b>	<b>BMW 330d xDrive Sedan</b>
<b>Body</b>				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1531/1572	1531/1572	1531/1570
Ground clearance	mm	140	140	145
Turning circle	m	11.3	11.3	11.7
Fuel tank capacity	approx. ltr	57	57	57
Cooling system incl heater	ltr	n.b.	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.2	6.5	6.5
Weight, unladen, to DIN/EU	kg	1475/1550 (1490/1565)	1540/1615	1615/1690
Max load to DIN	kg	560	550	550
Max permissible weight	kg	2035 (2050)	2090	2165
Max axle load, front/rear	kg	955/1160	990/1170	1050/1180
Max trailer load, Braked (12%/unbraked)	kg	1800/750	1800/750	1800/750
Max roofload/max towbar download	kg	75/75	75/75	75/75
Luggage comp capacity	ltr	480	480	480
Air resistance	C <sub>d</sub> x A	0.28 x 2.20	0.28 x 2.20	0.29 x 2.20
<b>Power Unit</b>				
Config/No of cyls/valves		In-line/4/4	In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection		
Effective capacity	cc	1995	2993	2993
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	160/218	190/258	190/258
at	rpm	4400	4000	4000
Max torque	Nm/lb-ft	450/332	560/413	560/413
at	rpm	1500–2500	1500–3000	1500–3000
<b>Electrical System</b>				
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	175/2450	180/2520	180/2520
<b>Driving Dynamics and Safety</b>				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in lightweight construction		
Brakes, front		Single-piston floating-calliper disc brakes / vented		
Brakes, rear		Single-piston floating-calliper disc brakes / vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (330d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator		
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering		
Steering ratio, overall	:1	15,0	15,0	15,2
Tyres, front/rear		225/50 R17 94W	225/50 R17 94W	225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 325d Sedan</b>	<b>BMW 330d Sedan</b>	<b>BMW 330d xDrive Sedan</b>
<b>Transmission</b>				
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	8-speed Steptronic	8-speed Steptronic
Gear ratios	I	:1 4.110 (4.714)	4.714	4.714
	II	:1 2.248 (3.143)	3.143	3.143
	III	:1 1.403 (2.106)	2.106	2.106
	IV	:1 1.000 (1.667)	1.667	1.667
	V	:1 0.802 (1.285)	1.285	1.285
	VI	:1 0.659 (1.000)	1.000	1.000
	VII	:1 --- (0.839)	0.839	0.839
	VII	:1 --- (0.667)	0.667	0.667
	R	:1 3.727 (3.295)	3.317	3.317
Final drive		:1 3.462 (2.813)	2.563	2.563
<b>Performance</b>				
Power-to-weight ratio		kg/kW 9.2 (9.3)	8.1	8.5
Output per litre		kW/ltr 80.2	63.5	63.5
Acceleration	0–100 km/h	sec 6.8 (6.6)	5.6	5.3
In 5th gear	80–120 km/h	sec n.b (–)	(–)	(–)
Top speed		km/h 245 (245)	250	250
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance			
<b>Fuel Consumption ECE<sup>2)</sup></b>				
Urban	ltr/100 km	6.2–6.1 (5.8–5.7)	6.0–5.8	6.1–6.0
Extra-urban	ltr/100 km	4.3–4.3 (4.2–4.0)	4.6–4.3	4.8–4.8
Combined	ltr/100 km	5.0–4.9 (4.8–4.6)	5.0–4.9	5.3–5.2
CO <sub>2</sub>	g/km	132–129 (125–122)	131–129	139–137
Emission rating		EU6	EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 335d xDrive Sedan.

<b>BMW 335d xDrive Sedan</b>		
<b>Body</b>		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4633/1811/1434
Wheelbase	mm	2810
Track, front/rear	mm	1531/1570
Ground clearance	mm	145
Turning circle	m	11.7
Fuel tank capacity	approx. ltr	57
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1630/1705
Max load to DIN	kg	550
Max permissible weight	kg	2180
Max axle load, front/rear	kg	1060/1190
Max trailer load, Braked (12%/unbraked)	kg	1800/750
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	480
Air resistance	C <sub>d</sub> x A	0.29 x 2.20
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/6/4
Engine technology		BMW TwinPower TwinTurbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	2993
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	230/313
	at	4400
Max torque	Nm/lb-ft	630/465
	at	1500-2500
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	180/2520
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management, DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering
Steering ratio, overall	:1	15.2
Tyres, front/rear		225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloy

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**BMW 335d xDrive Sedan**

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**Transmission**

Type of transmission	8-speed Steptronic		
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VII	:1	0.667
	R	:1	3.317
Final drive		:1	2.563

**Performance**

Power-to-weight ratio	kg/kW	7.1
Output per litre	kW/ltr	76.8
Acceleration 0–100 km/h	sec	4.8
In 5th gear 80–120 km/h	sec	(--)
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE<sup>2)</sup>**

Urban	ltr/100 km	6.5–6.4
Extra-urban	ltr/100 km	4.9–4.9
Combined	ltr/100 km	5.5–5.4
CO <sub>2</sub>	g/km	145–143
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 318i Touring.

<b>BMW 318i Touring</b>		
<b>Body</b>		
No of doors/seats		5/5
Length/width/height (unladen)	mm	4633/1811/1429
Wheelbase	mm	2810
Track, front/rear	mm	1543/1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel tank capacity	approx. ltr	60
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	4.25
Weight, unladen, to DIN/EU	kg	1470/1545 (1490/1565)
Max load to DIN	kg	595
Max permissible weight	kg	2065 (2085)
Max axle load, front/rear	kg	900/1240
Max trailer load, Braked (12%/unbraked	kg	1300/695
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	495–1500
Air resistance	C <sub>d</sub> x A	0.30 (0.31) x 2.20
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/3/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection
Effective capacity	cc	1499
Stroke/bore	mm	94.6/82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	100/136
at	rpm	4400–6000
Max torque	Nm/lb-ft	220/162
at	rpm	1250–4300
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	180/2520
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering
Steering ratio, overall	:1	15.1
Tyres, front/rear		205/60 R16 92V
Rims, front/rear		7.0J x 16

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**BMW 318i Touring**

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**Transmission**

Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.552 (5.000)
	II	:1	2.548 (3.200)
	III	:1	1.659 (2.143)
	IV	:1	1.230 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.830 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	4.138 (3.456)
Final drive		:1	3.077 (3.231)

**Performance**

Power-to-weight ratio	kg/kW	14.7 (14.9)
Output per litre	kW/ltr	66.7
Acceleration 0–100 km/h	sec	9.2 (9.3)
In 5th gear 80–120 km/h	sec	11.9 (–)
Top speed	km/h	210 (210)

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE<sup>2)</sup>**

Urban	ltr/100 km	7.4–6.8 (7.2–6.6)
Extra-urban	ltr/100 km	5.0–4.6 (5.0–4.6)
Combined	ltr/100 km	5.9–5.4 (5.8–5.3)
CO <sub>2</sub>	g/km	137–126 (134–124)
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 320i Touring, BMW 320i xDrive Touring.

		<b>BMW 320i Touring</b>	<b>BMW 320i xDrive Touring</b>
<b>Body</b>			
No of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1543/1583	1542/1582
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.25	5.25
Weight, unladen, to DIN/EU	kg	1510/1585 (1520/1595)	1600/1675 (1610/1685)
Max load to DIN	kg	595	575
Max permissible weight	kg	2105 (2115)	2175 (2185)
Max axle load, front/rear	kg	925/1250	990/1255
Max trailer load,	kg	1700/695	1700/750
Braked (12%/unbraked		(1800/695)	(1800/750)
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.31 (0.30) x 2.20	0.31 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	135/184	135/184
at	rpm	5000–6500	5000–6500
Max torque	Nm/lb-ft	290/214 (270/199)	270/199
at	rpm	1350–4250 (4600)	1350–4600
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (320i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.1
Tyres, front/rear		205/60 R16 92W	205/60 R16 92W
Rims, front/rear		7.0J x 16 light alloy	7.0J x 16 light alloy

		<b>BMW 320i Touring</b>	<b>BMW 320i xDrive Touring</b>
<b>Transmission</b>			
Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.551 (5.000)
	II	:1	2.548 (3.200)
	III	:1	1.659 (2.143)
	IV	:1	1.230 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.830 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	4.138 (3.456)
Final drive		:1	3.385 (2.813)
<b>Performance</b>			
Power-to-weight ratio	kg/kW	11.2 (11.3)	11.9 (11.9)
Output per litre	kW/ltr	67.6	67.6
Acceleration 0–100 km/h	sec	7.5 (7.5)	7.7 (7.9)
In 5th gear 80–120 km/h	sec	9.9 (–)	9.4 (–)
Top speed	km/h	230 (228)	225 (223)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	8.4–7.8 (7.8–7.3)	9.5–9.0 (8.5–8.0)
Extra-urban	ltr/100 km	5.1–4.8 (4.8–4.5)	6.0–5.5 (5.3–5.0)
Combined	ltr/100 km	6.3–5.9 (5.9–5.5)	7.3–6.8 (6.5–6.1)
CO <sub>2</sub>	g/km	147–137 (138–129)	169–159 (151–141)
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 330i Touring. BMW 330i xDrive Touring.

		<b>BMW 330i Touring</b>	<b>BMW 330i xDrive Touring</b>
<b>Body</b>			
No of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1531/1572	1531/1570
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.25	5.25
Weight, unladen, to DIN/EU	kg	1540/1615 (1565/1640)	1630/1705
Max load to DIN	kg	575 (560)	550
Max permissible weight	kg	2115 (2125)	2180
Max axle load, front/rear	kg	945/1250	1005/1240
Max trailer load, Braked (12%/unbraked	kg	1800/745	1800/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.32 x 2.20	0.32 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	10.2	10.2
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	185/252	185/252
at	rpm	5200–6500	5200–6500
Max torque	Nm/lb-ft	350/258	350/258
at	rpm	1450–4800	1450–4800
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (330i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.1
Tyres, front/rear		225/50 R17 98W	225/50 R17 98W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 330i Touring</b>	<b>BMW 330i xDrive Touring</b>
<b>Transmission</b>			
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	8-speed Steptronic
Gear ratios	I :1	3.683 (5.000)	5.000
	II :1	2.062 (3.200)	3.200
	III :1	1.313 (2.143)	2.143
	IV :1	1.000 (1.720)	1.720
	V :1	0.809 (1.314)	1.314
	VI :1	0.677 (1.000)	1.000
	VII :1	--- (0.822)	0.822
	VII :1	--- (0.640)	0.640
	R :1	3.348 (3.456)	3.456
Final drive	:1	3.909 (2.813)	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	8.3 (8.5)	8.8
Output per litre	kW/ltr	92.6	92.6
Acceleration 0–100 km/h	sec	6.0 (5.9)	6.0
In 5th gear 80–120 km/h	sec	7.4 (-)	(-)
Top speed	km/h	250 (250)	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	8.7–8.3 (7.7–7.3)	8.3–7.8
Extra-urban	ltr/100 km	5.6–5.3 (5.2–4.9)	5.5–5.2
Combined	ltr/100 km	6.7–6.4 (6.1–5.8)	6.5–6.2
CO <sub>2</sub>	g/km	157–149 (143–135)	152–144
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 340i Touring, BMW 340i xDrive Touring.

		<b>BMW 340i Touring</b>	<b>BMW 340i xDrive Touring</b>
<b>Body</b>			
No of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1531/1572	1531/1570
Ground clearance		140	145
Turning circle	m	11,3	11,7
Fuel tank capacity	approx. ltr	60	60
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	6,5	6,5
Weight, unladen, to DIN/EU	kg	1615/1690	1680/1755
Max load to DIN	kg	560	550
Max permissible weight	kg	2175	2230
Max axle load, front/rear	kg	990/1250	1050/1250
Max trailer load, Braked (12%/unbraked)	kg	1800/750	1800/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.32 x 2.20	0.32 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with turbocharger, High Precision Direct Injection	
Effective capacity	cc	2998	2998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	240/326	240/326
at	rpm	5500–6500	5500–6500
Max torque	Nm/lb-ft	450/332	450/332
at	rpm	1380–5000	1380–5000
<b>Electrical System</b>			
Battery / installation	Ah/–	90/ Luggage compartment	90/ Luggage compartment
Alternator	A/W	180/2520	180/2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (340i xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.1
Tyres, front/rear		225/50 R17 98W	225/50 R17 98W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 340i Touring</b>	<b>BMW 340i xDrive Touring</b>
<b>Transmission</b>			
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	1.314
	VI	:1	1.000
	VII	:1	0.822
	VII	:1	0.640
	R	:1	3.456
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	6.7	7.0
Output per litre	kW/ltr	80.1	80.1
Acceleration 0–100 km/h	sec	5.1	5.0
In 5th gear 80–120 km/h	sec	(–)	(–)
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	9.3–9.0	10.1–9.6
Extra-urban	ltr/100 km	5.7–5.5	6.1–5.8
Combined	ltr/100 km	7.0–6.8	7.6–7.2
CO <sub>2</sub>	g/km	164–158	176–168
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

<b>BMW 316d Touring</b>		
<b>Body</b>		
No of doors/seats		5/5
Length/width/height (unladen)	mm	4633/1811/1429
Wheelbase	mm	2810
Track, front/rear	mm	1543/1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel tank capacity	approx. ltr	57
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	5.0
Weight, unladen, to DIN/EU	kg	1495/1570 (1510/1585)
Max load to DIN	kg	595
Max permissible weight	kg	2090 (2105)
Max axle load, front/rear	kg	925/1255
Max trailer load, Braked (12%/unbraked	kg	1600/745
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	495–1500
Air resistance	C <sub>d</sub> x A	0.29 x 2.20
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	1995
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	85/116
at	rpm	4000
Max torque	Nm/lb-ft	270/199
at	rpm	1250–2750
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	150/2100
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering
Steering ratio, overall	:1	15.1
Tyres, front/rear		205/60 R16 92H
Rims, front/rear		7.0J x 16

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**BMW 316d Touring**

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**Transmission**

Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.002 (5.000)
	II	:1	2.130 (3.200)
	III	:1	1.396 (2.143)
	IV	:1	1.000 (1.720)
	V	:1	0.781 (1.314)
	VI	:1	0.668 (1.000)
	VII	:1	--- (0.822)
	VII	:1	--- (0.640)
	R	:1	3.647 (3.456)
Final drive		:1	3.077 (2.813)

**Performance**

Power-to-weight ratio	kg/kW	17.6 (17.8)
Output per litre	kW/ltr	42.6
Acceleration 0–100 km/h	sec	11.2 (11.1)
In 5th gear 80–120 km/h	sec	12.8 (–)
Top speed	km/h	200 (198)

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE<sup>2)</sup>**

Urban	ltr/100 km	5.5–4.9 (5.5–5.0)
Extra-urban	ltr/100 km	4.0–3.7 (4.0–3.6)
Combined	ltr/100 km	4.6–4.1 (4.6–4.1)
CO <sub>2</sub>	g/km	120–109 (120–109)
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 318d Touring, BMW 318d xDrive Touring.

		<b>BMW 318d Touring</b>	<b>BMW 318d xDrive Touring</b>
<b>Body</b>			
No of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1543/1583	1542/1582
Ground clearance		140	145
Turning circle	m	11.3	11.7
Fuel tank capacity	approx. ltr	57	57
Cooling system incl heater	ltr	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.0	5.0
Weight, unladen, to DIN/EU	kg	1500/1575 (1520/1595)	1570/1645
Max load to DIN	kg	595	575
Max permissible weight	kg	2140 (2160)	2145
Max axle load, front/rear	kg	920/1260	975/1250
Max trailer load, Braked (12%/unbraked	kg	1600 (1800)/745	1600/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.29 x 2.20	0.30 x 2.20
<b>Power Unit</b>			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection	
Effective capacity	cc	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	110/150	110/150
at	rpm	4000	4000
Max torque	Nm/lb-ft	320/236	320/236
at	rpm	1500–3000	1500–3000
<b>Electrical System</b>			
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	150/2100	150/2100
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle with displaced camber	
Suspension, rear		Five-link axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (318d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator	
Steering		Electric Power Steering (EPS), optional: Variable Sport Steering	
Steering ratio, overall	:1	15.1	15.2
Tyres, front/rear		205/60 R16 92W	205/60 R16 92V
Rims, front/rear		7.0J x 16	7.0J x 16

		<b>BMW 318d Touring</b>	<b>BMW 318d xDrive Touring</b>
<b>Transmission</b>			
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	6-speed manual
Gear ratios	I :1	4.002 (5.000)	4.110
	II :1	2.130 (3.200)	2.248
	III :1	1.396 (2.143)	1.403
	IV :1	1.000 (1.720)	1.000
	V :1	0.781 (1.314)	0.802
	VI :1	0.668 (1.000)	0.659
	VII :1	--- (0.822)	---
	VII :1	--- (0.640)	---
	R :1	3.647 (3.456)	3.727
Final drive	:1	3.231 (2.813)	3.231
<b>Performance</b>			
Power-to-weight ratio	kg/kW	13.6 (13.8)	14.3
Output per litre	kW/ltr	55.1	55.1
Acceleration 0–100 km/h	sec	8.9 (8.8)	9.2
In 5th gear 80–120 km/h	sec	10.3 (-)	10.6
Top speed	km/h	210 (210)	206
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>			
Urban	ltr/100 km	5.6–5.2 (5.4–4.9)	6.2–5.7
Extra-urban	ltr/100 km	4.0–3.8 (4.0–3.7)	4.4–4.1
Combined	ltr/100 km	4.6–4.3 (4.5–4.1)	5.1–4.7
CO <sub>2</sub>	g/km	122–112 (119–109)	133–123
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 320d Touring, BMW 320d EfficientDynamics Edition Touring, BMW 320d xDrive Touring.

		<b>BMW 320d Touring</b>	<b>BMW 320d EfficientDynamics Edition Touring</b>	<b>BMW 320d xDrive Touring</b>
<b>Body</b>				
No of doors/seats		5/5	5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1416	4633/1811/1434
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1543/1583	1543/1586	1542/1582
Ground clearance	mm	140	127	145
Turning circle	m	11.3	11.3	11.7
Fuel tank capacity	approx. ltr	57	57	57
Cooling system incl heater	ltr	n.b.	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.0	5.0	5.0
Weight, unladen, to DIN/EU	kg	1510/1585 (1530/1605)	1500/1575 (1510/1585)	1580/1655 (1605/1680)
Max load to DIN	kg	595	550	575
Max permissible weight	kg	2105 (2125)	2050 (2060)	2155 (2180)
Max axle load, front/rear	kg	930/1260	920/1225	990/1260
Max trailer load,	kg	1600/745	n.b./n.b.	1600/750
Braked (12%/unbraked)		(1800/745)	(1800/745)	(1800/750)
Max roofload/max towbar download	kg	75/75	75/n.b. (75/75)	75/75
Luggage comp capacity	ltr	495–1500	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.29 x 2.20	0.28 x 2.20	0.30 x 2.20
<b>Power Unit</b>				
Config/No of cyls/valves		In-line/4/4	In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection		
Effective capacity	cc	1995	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	140/190	120/163	140/190
at	rpm	4000	4000	4000
Max torque	Nm/lb-ft	400/295	400/295	400/295
at	rpm	1750–2500	1750–2250	1750–2500
<b>Electrical System</b>				
Battery / installation	Ah/-	90/ Luggage compartment	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	150/2100	150/2100	150/2100
<b>Driving Dynamics and Safety</b>				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in lightweight construction		
Brakes, front		Single-piston floating-calliper disc brakes / vented		
Brakes, rear		Single-piston floating-calliper disc brakes / vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (320d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator		
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering		
Steering ratio, overall	:1	15.1	15.1	15.2
Tyres, front/rear		205/60 R16 92W	205/60 R16 92W	205/60 R16 92W
Rims, front/rear		7.0J x 16 light alloy	7.0J x 16	7.0J x 16 light alloy

		<b>BMW 320d Touring</b>	<b>BMW 320d EfficientDynamics Edition Touring</b>	<b>BMW 320d xDrive Touring</b>
<b>Transmission</b>				
Type of transmission		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I :1	4.110 (5.000)	4.110 (5.000)	4.110 (5.000)
	II :1	2.248 (3.200)	2.248 (3.200)	2.248 (3.200)
	III :1	1.403 (2.143)	1.403 (2.143)	1.403 (2.143)
	IV :1	1.000 (1.720)	1.000 (1.720)	1.000 (1.720)
	V :1	0.802 (1.314)	0.802 (1.314)	0.802 (1.314)
	VI :1	0.659 (1.000)	0.659 (1.000)	0.659 (1.000)
	VII :1	--- (0.822)	--- (0.822)	--- (0.822)
	VII :1	--- (0.640)	--- (0.640)	--- (0.640)
	R :1	3.727 (3.456)	3.727 (3.456)	3.727 (3.456)
Final drive	:1	3.154 (2.813)	2.929 (2.813)	3.154 (2.813)
<b>Performance</b>				
Power-to-weight ratio	kg/kW	10.8 (10.9)	10.7 (10.8)	11.3 (11.5)
Output per litre	kW/ltr	70.2	70.2	70.2
Acceleration	0–100 km/h sec	7.6 (7.4)	8.2 (8.1)	7.6 (7.6)
In 5th gear	80–120 km/h sec	7.9 (–)	9.4 (–)	8.6 (–)
Top speed	km/h	230 (226)	222 (222)	228 (222)
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE<sup>2)</sup></b>				
Urban	ltr/100 km	5.7–5.2 (5.4–4.9)	5.5–5.0 (5.3–4.8)	6.1–5.7 (5.8–5.4)
Extra-urban	ltr/100 km	4.1–3.8 (4.0–3.7)	3.9–3.6 (3.9–3.5)	4.4–4.1 (4.4–4.0)
Combined	ltr/100 km	4.7–4.3 (4.5–4.1)	4.5–4.1 (4.4–4.0)	5.0–4.7 (4.9–4.5)
CO <sub>2</sub>	g/km	123–113 (119–109)	118–107 (116–104)	133–123 (129–119)
Emission rating		EU6	EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 325d Touring, BMW 330d Touring, BMW 330d xDrive Touring.

		<b>BMW 325d Touring</b>	<b>BMW 330d Touring</b>	<b>BMW 330d xDrive Touring</b>
<b>Body</b>				
No of doors/seats		5/5	5/5	5/5
Length/width/height (unladen)	mm	4633/1811/1429	4633/1811/1429	4633/1811/1434
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1531/1572	1531/1572	1531/1570
Ground clearance	mm	140	140	145
Turning circle	m	11.3	11.3	11.7
Fuel tank capacity	approx. ltr	57	57	57
Cooling system incl heater	ltr	n.b.	n.b.	n.b.
Engine oil <sup>1)</sup>	ltr	5.2	6.5	6.5
Weight, unladen, to DIN/EU	kg	1540/1615 (1560/1635)	1610/1685	1680/1755
Max load to DIN	kg	560	550	550
Max permissible weight	kg	2100 (2120)	2160	2230
Max axle load, front/rear	kg	950/1245	1000/1245	1050/1255
Max trailer load, Braked (12%/unbraked)	kg	1800/750	1800/750	1800/750
Max roofload/max towbar download	kg	75/75	75/75	75/75
Luggage comp capacity	ltr	495–1500	495–1500	495–1500
Air resistance	C <sub>d</sub> x A	0.31 x 2.20	0.31 x 2.20	0.32 x 2.20
<b>Power Unit</b>				
Config/No of cyls/valves		In-line/4/4	In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection		
Effective capacity	cc	1995	2993	2993
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	160/218	190/258	190/258
at	rpm	4400	4000	4000
Max torque	Nm/lb-ft	450/332	560/413	560/413
at	rpm	1500–2500	1500–3000	1500–3000
<b>Electrical System</b>				
Battery / installation	Ah/–	90/ Luggage compartment	90/ Luggage compartment	90/ Luggage compartment
Alternator	AW	175/2450	180/2520	180/2520
<b>Driving Dynamics and Safety</b>				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in lightweight construction		
Brakes, front		Single-piston floating-calliper disc brakes / vented		
Brakes, rear		Single-piston floating-calliper disc brakes / vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (330d xDrive), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator		
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering		
Steering ratio, overall	:1	15.1	15.1	15.2
Tyres, front/rear		225/50 R17 98W	225/50 R17 98W	225/50 R17 98W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy	7.5J x 17 light alloy

		<b>BMW 325d Touring</b>	<b>BMW 330d Touring</b>	<b>BMW 330d xDrive Touring</b>
<b>Transmission</b>				
Type of transmission		6-speed manual (optional: 8-speed Steptronic)	8-speed Steptronic	8-speed Steptronic
Gear ratios	I	:1 4.110 (4.714)	4.714	4.714
	II	:1 2.248 (3.143)	3.143	3.143
	III	:1 1.403 (2.106)	2.106	2.106
	IV	:1 1.000 (1.667)	1.667	1.667
	V	:1 0.802 (1.285)	1.285	1.285
	VI	:1 0.659 (1.000)	1.000	1.000
	VII	:1 --- (0.839)	0.839	0.839
	VII	:1 --- (0.667)	0.667	0.667
	R	:1 3.727 (3.295)	3.317	3.317
Final drive		:1 3.462 (2.813)	2.563	2.563
<b>Performance</b>				
Power-to-weight ratio	kg/kW	9.6 (9.8)	8.5	8.8
Output per litre	kW/ltr	80.2	63.5	63.5
Acceleration	0–100 km/h	sec 6.9 (6.7)	5.6	5.4
In 5th gear	80–120 km/h	sec 7.2 (–)	(–)	(–)
Top speed	km/h	238 (238)	250	250
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance			
<b>Fuel Consumption ECE<sup>2)</sup></b>				
Urban	ltr/100 km	6.4–6.3 (6.0–5.9)	6.1–5.9	6.4–6.2
Extra-urban	ltr/100 km	4.5–4.4 (4.3–4.3)	4.8–4.7	5.0–4.9
Combined	ltr/100 km	5.2–5.1 (4.9–4.8)	5.3–5.1	5.5–5.4
CO <sub>2</sub>	g/km	137–134 (130–127)	138–135	145–142
Emission rating		EU6	EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 335d xDrive Touring.

<b>BMW 335d xDrive Touring</b>		
<b>Body</b>		
No of doors/seats		5/5
Length/width/height (unladen)	mm	4633/1811/1434
Wheelbase	mm	2810
Track, front/rear	mm	1531/1570
Ground clearance	mm	145
Turning circle	m	11.7
Fuel tank capacity	approx. ltr	57
Cooling system incl heater	ltr	n.b.
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1695/1770
Max load to DIN	kg	550
Max permissible weight	kg	2245
Max axle load, front/rear	kg	1060/1260
Max trailer load, Braked (12%/unbraked)	kg	1800/750
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	ltr	495–1500
Air resistance	C <sub>d</sub> x A	0.32 x 2.20
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/6/4
Engine technology		BMW TwinPower TwinTurbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	2993
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	230/313
	at	4400
Max torque	Nm/lb-ft	630/465
	at	1500–2500
<b>Electrical System</b>		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	A/W	180/2520
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in lightweight construction
Brakes, front		Single-piston floating-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management, DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Suspension Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Variable Sport Steering
Steering ratio, overall	:1	15.2
Tyres, front/rear		225/50 R17 98W
Rims, front/rear		7.5J x 17 light alloy

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**BMW 335d xDrive Touring**

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**Transmission**

Type of transmission	8-speed Steptronic		
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VII	:1	0.667
	R	:1	3.317
Final drive		:1	2.563

**Performance**

Power-to-weight ratio	kg/kW	7.4
Output per litre	kW/ltr	76.8
Acceleration 0–100 km/h	sec	4.9
In 5th gear 80–120 km/h	sec	(–)
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE<sup>2)</sup>**

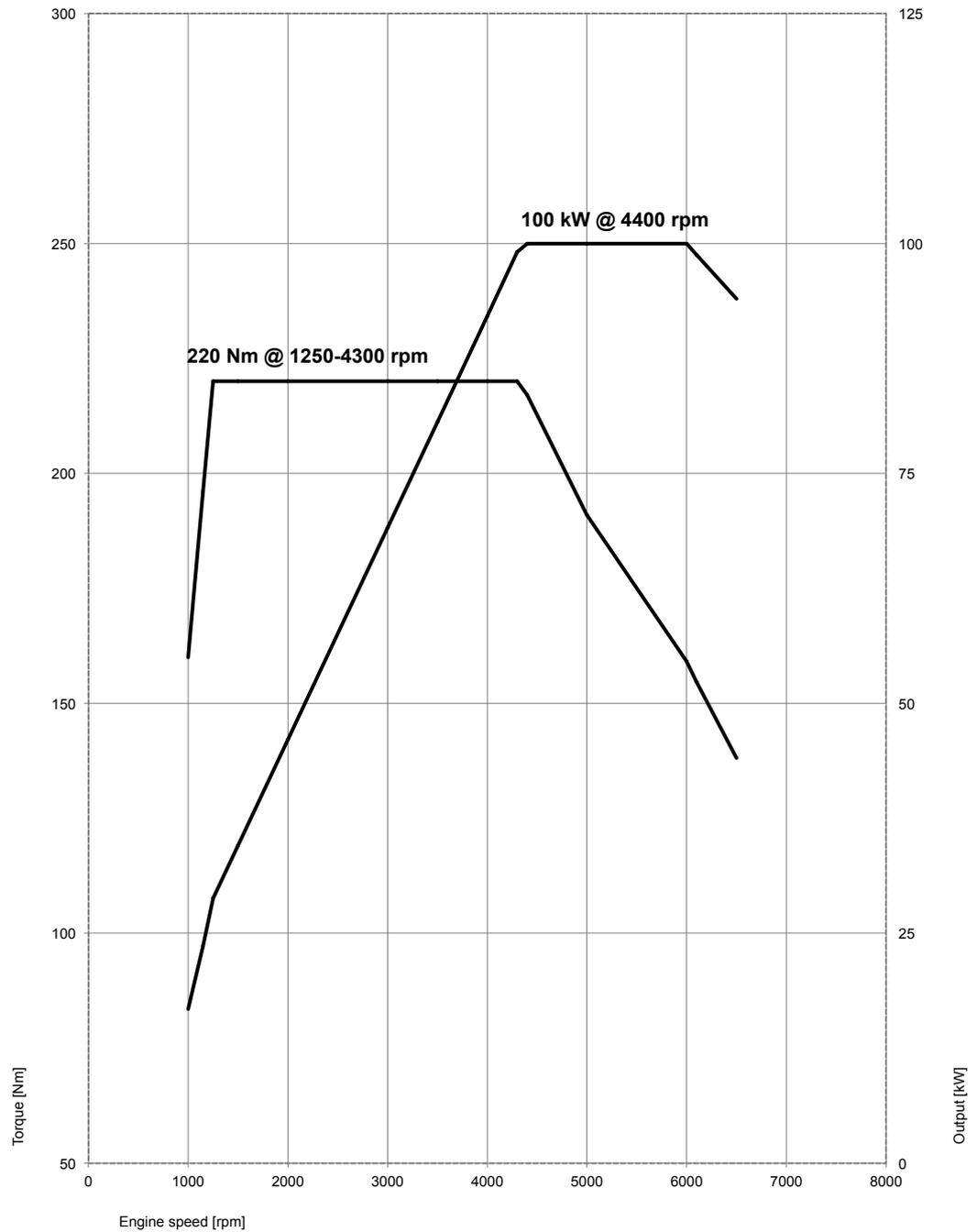
Urban	ltr/100 km	6.8–6.7
Extra-urban	ltr/100 km	5.2–5.1
Combined	ltr/100 km	5.7–5.6
CO <sub>2</sub>	g/km	151–148
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

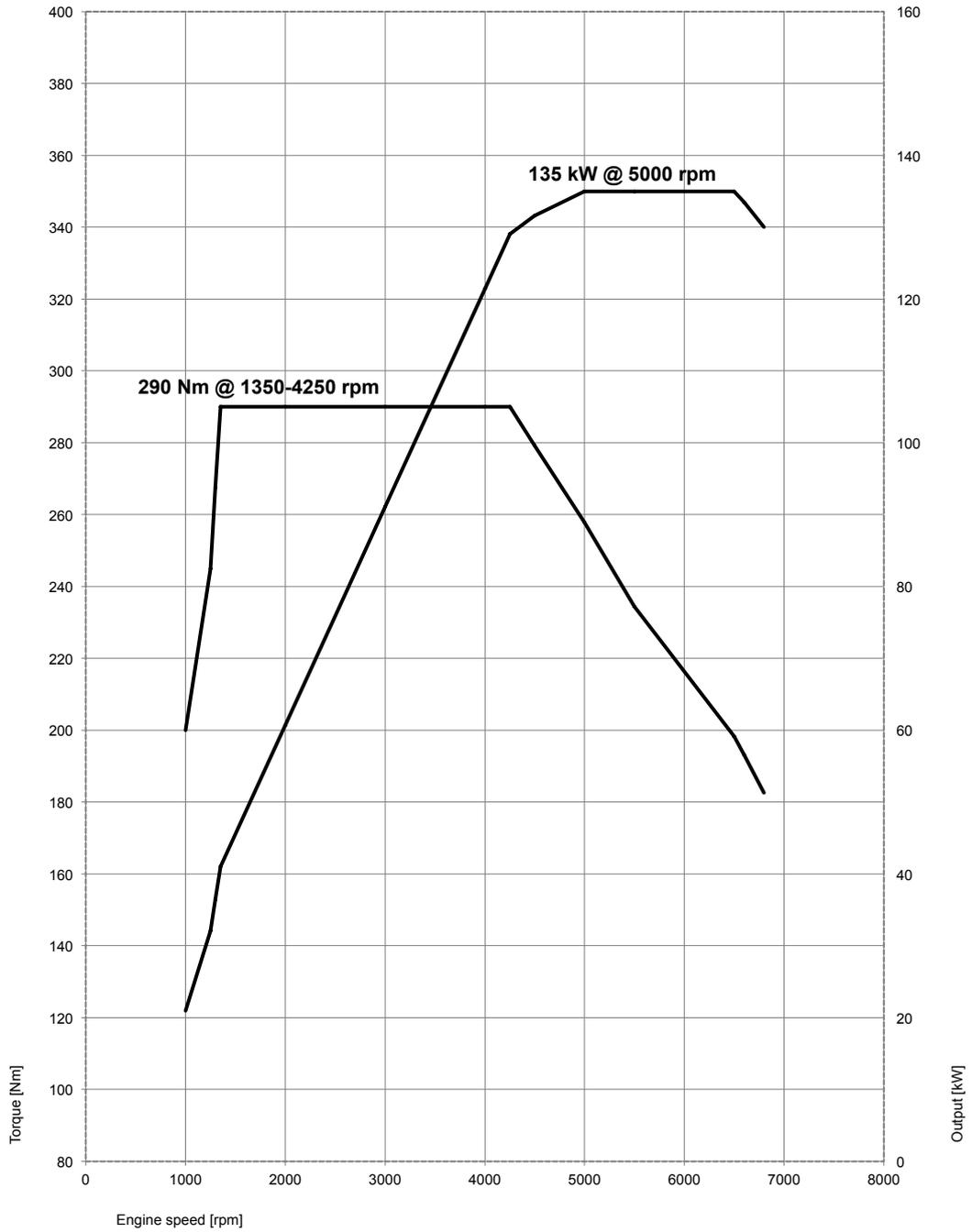
<sup>1)</sup> Oil change

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

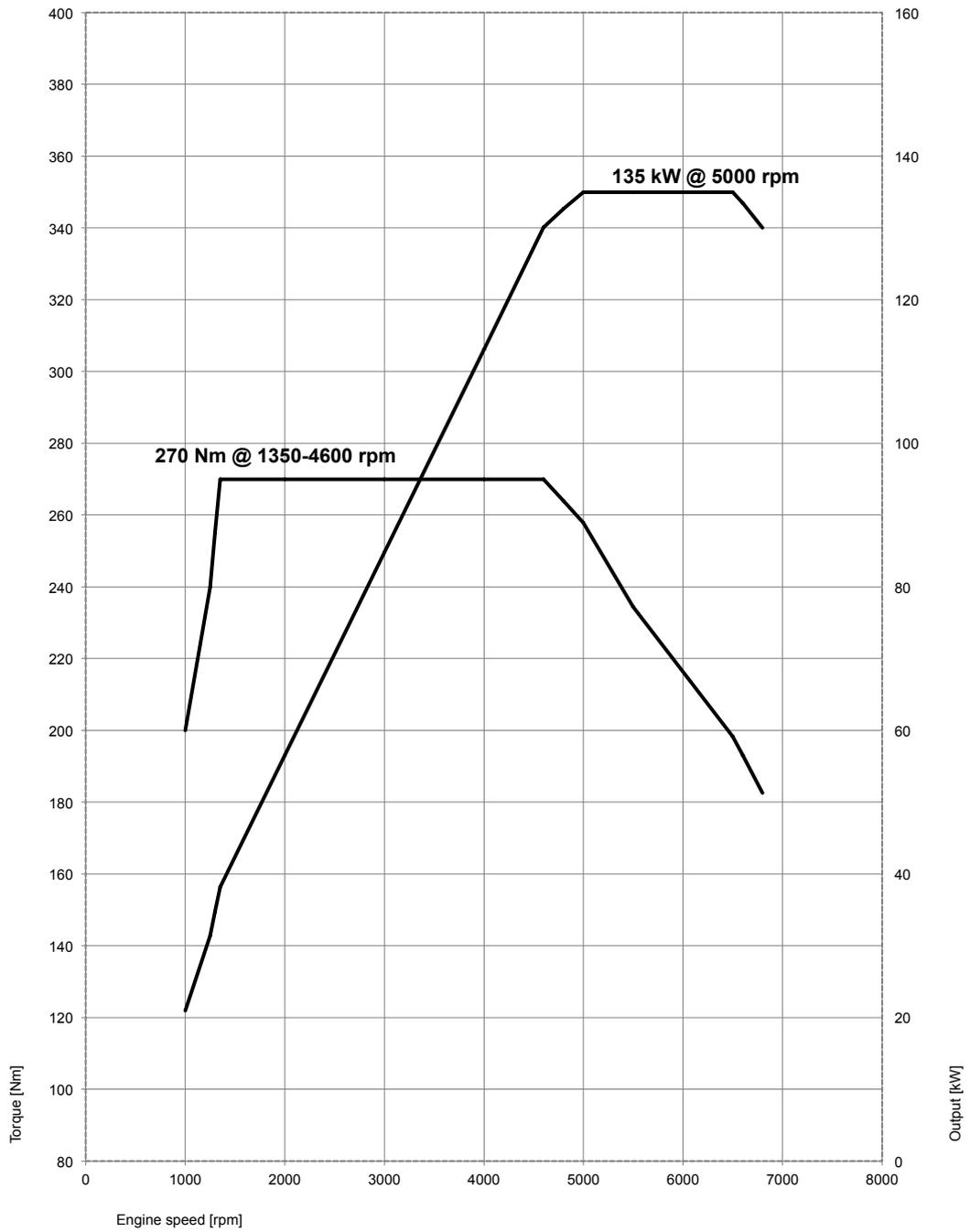
## 8. Output and torque diagrams. BMW 318i.

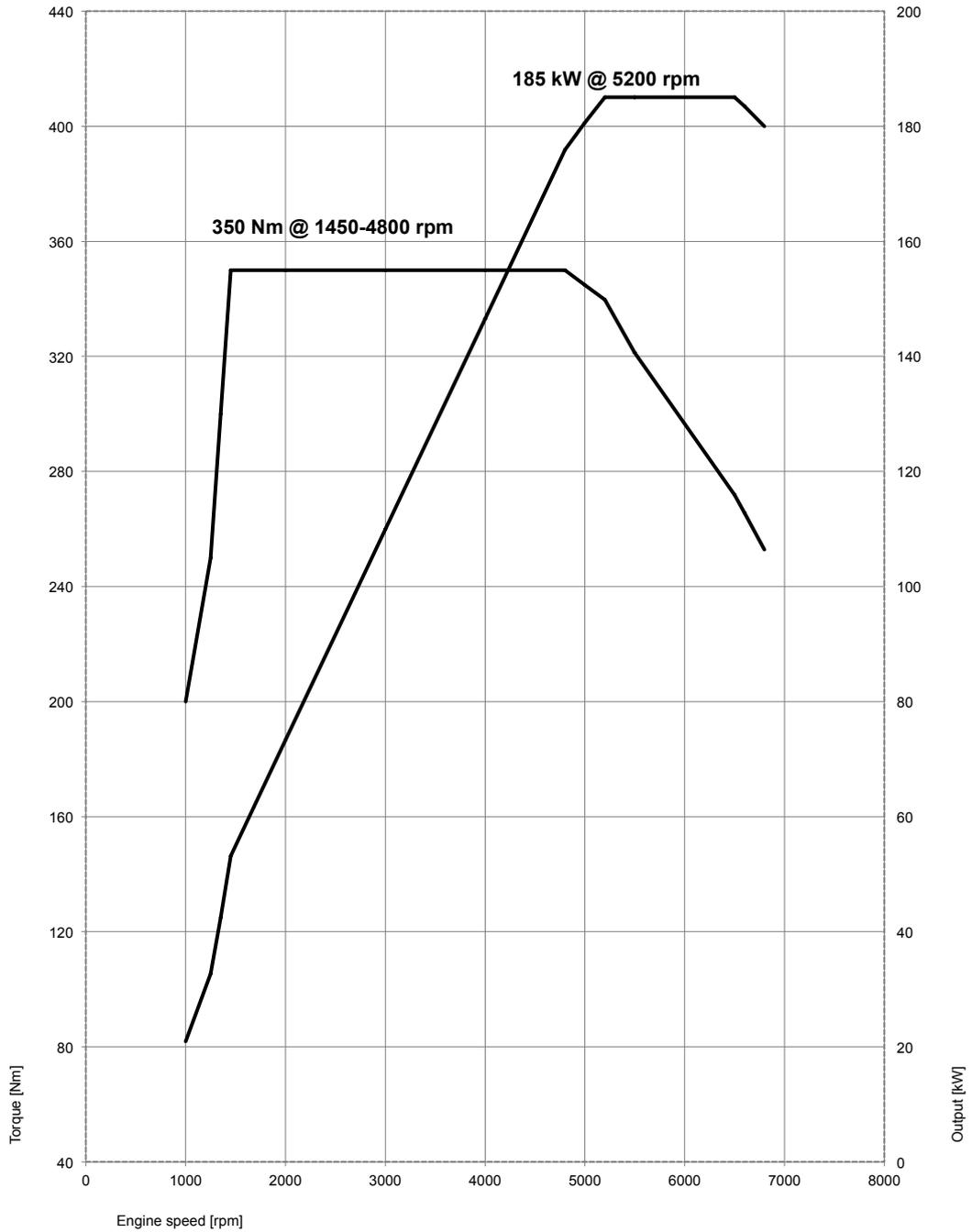


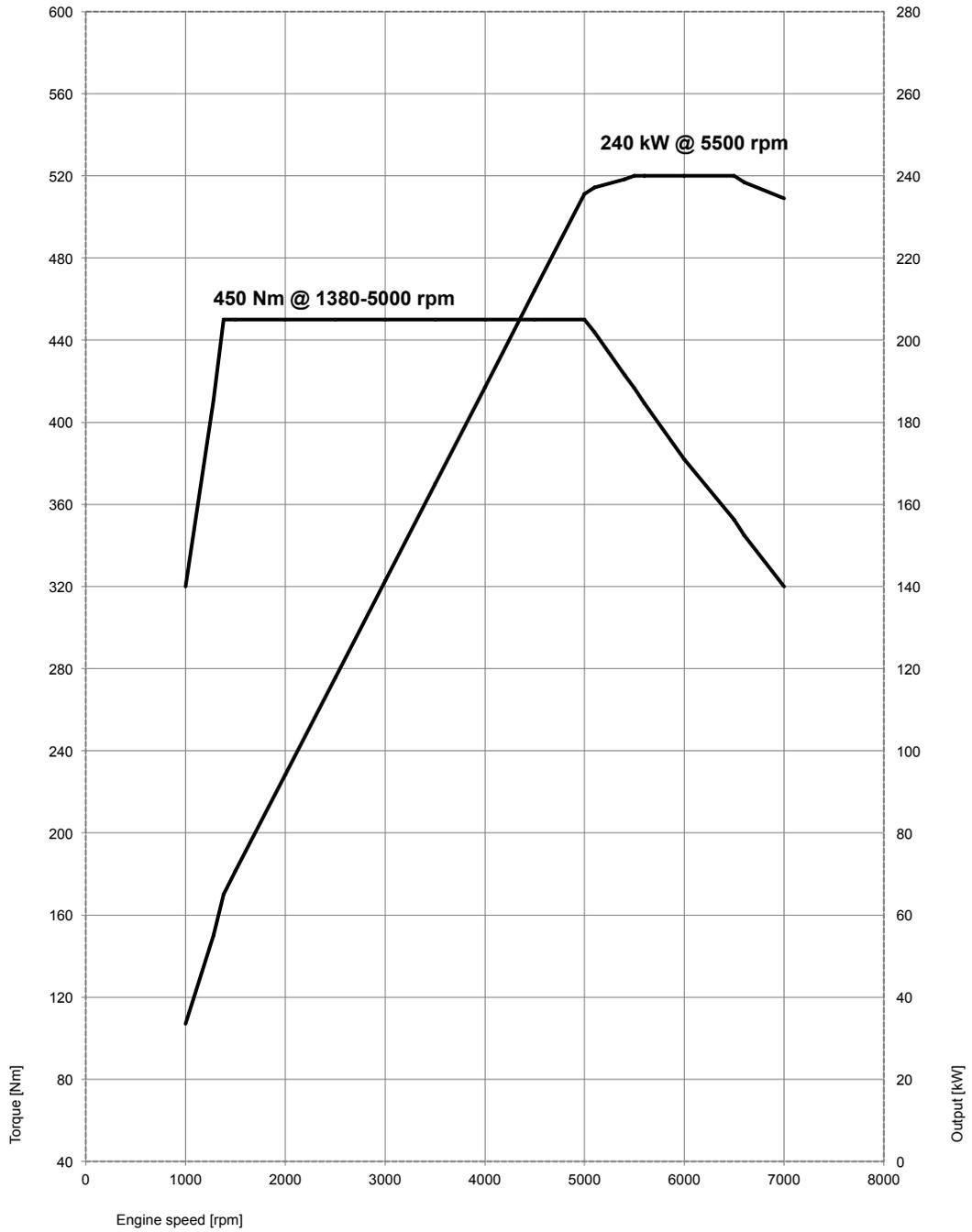
# BMW 320i 6-speed manual.

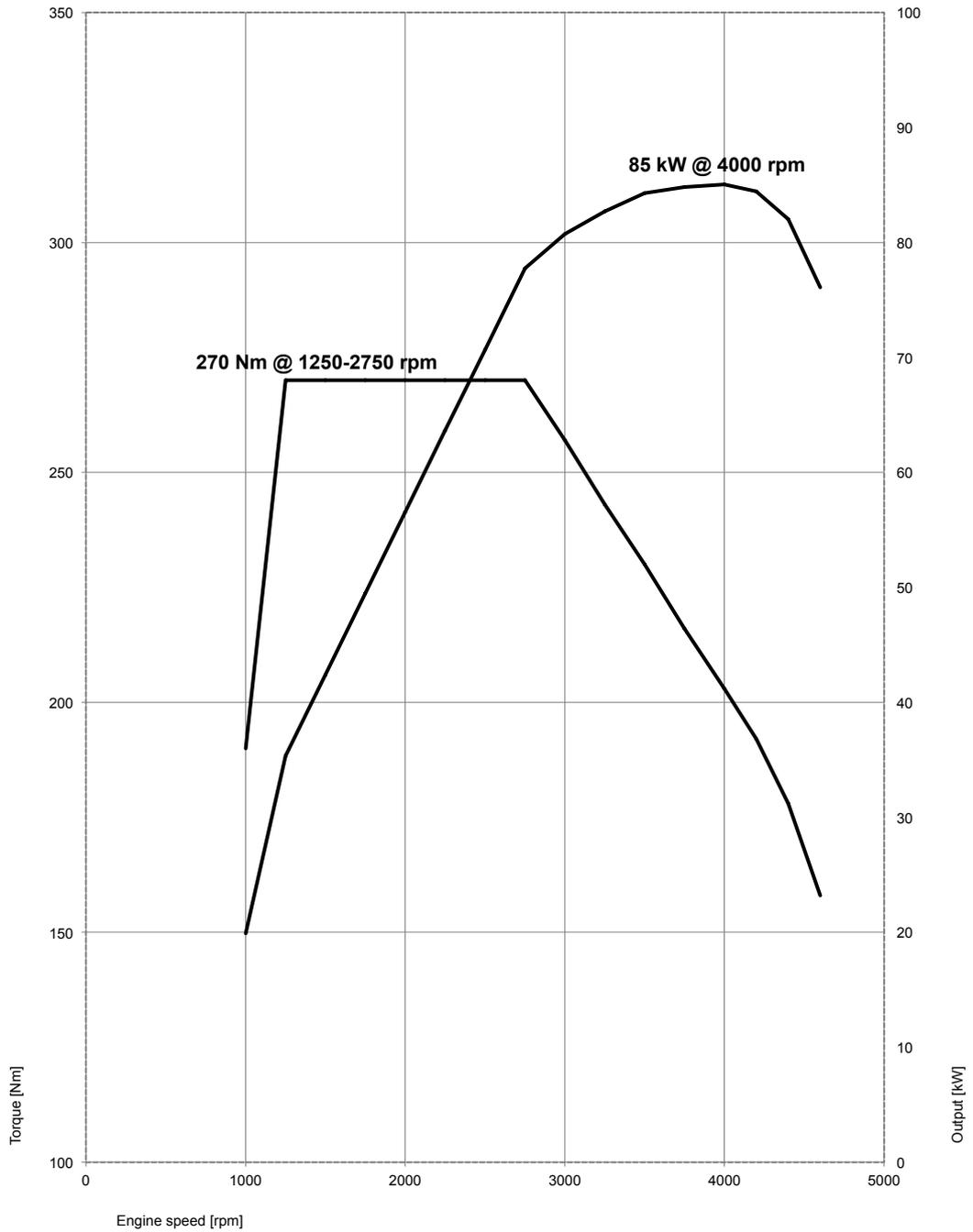


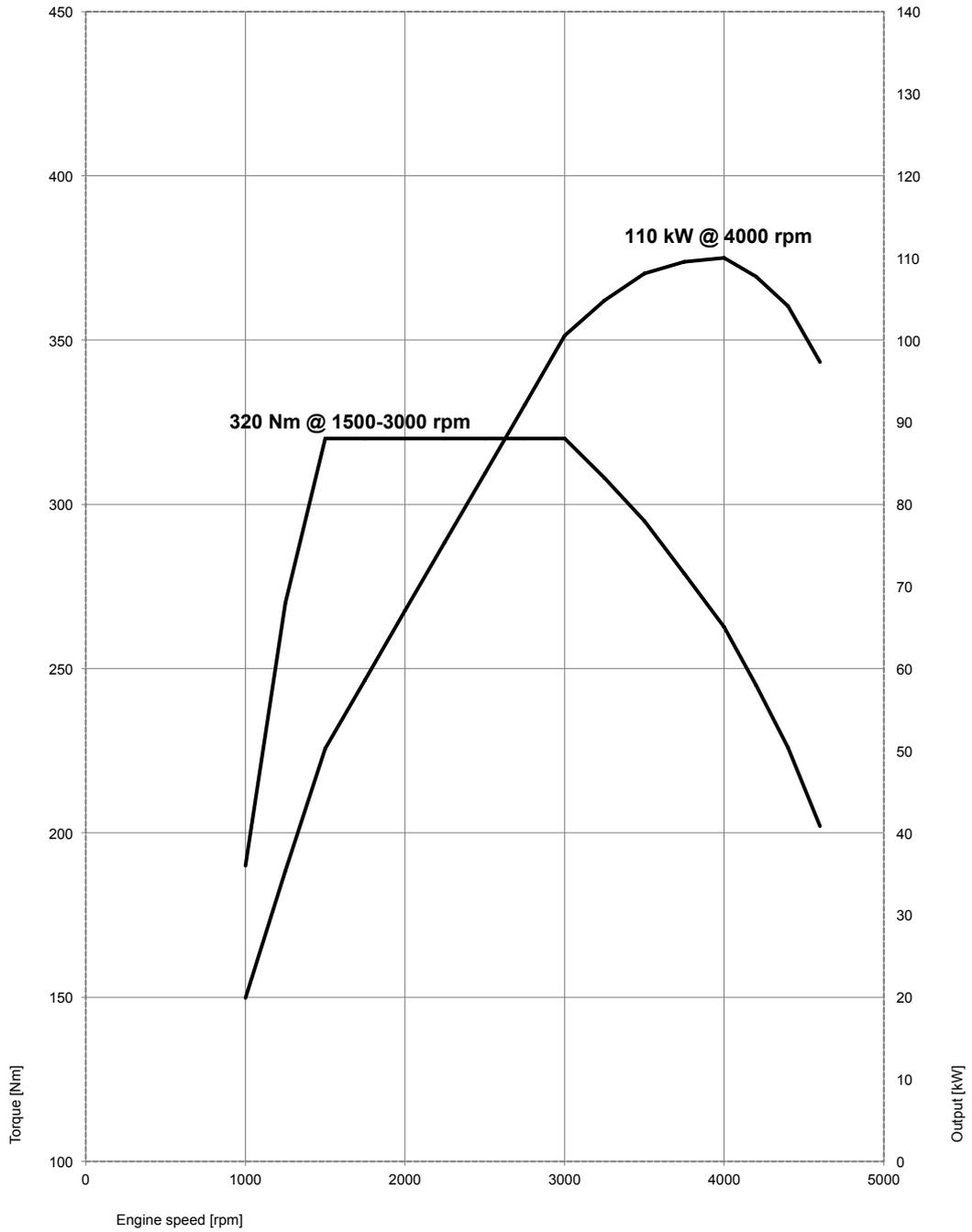
# BMW 320i 8-speed Steptronic. BMW 320i xDrive 6-speed manual.

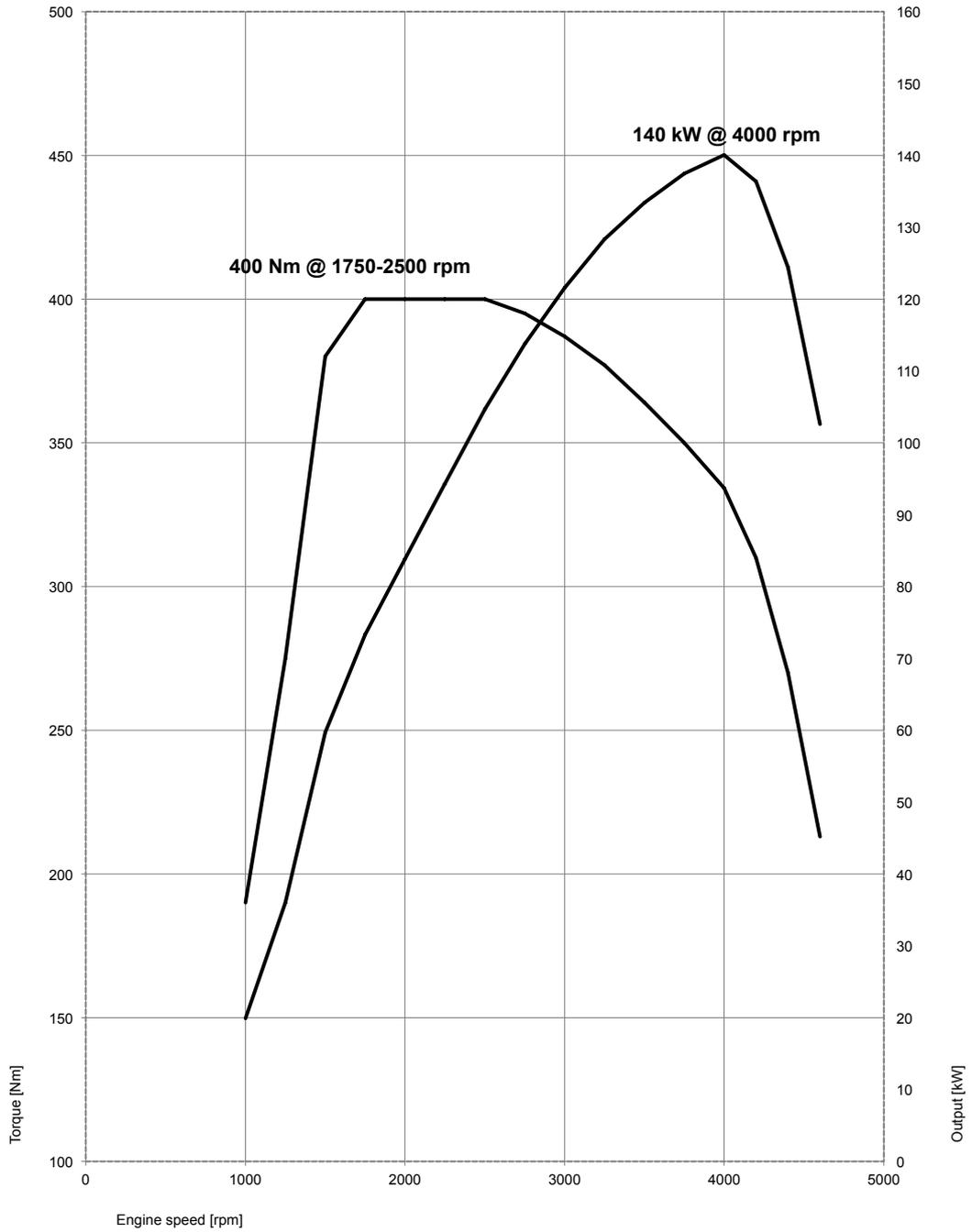




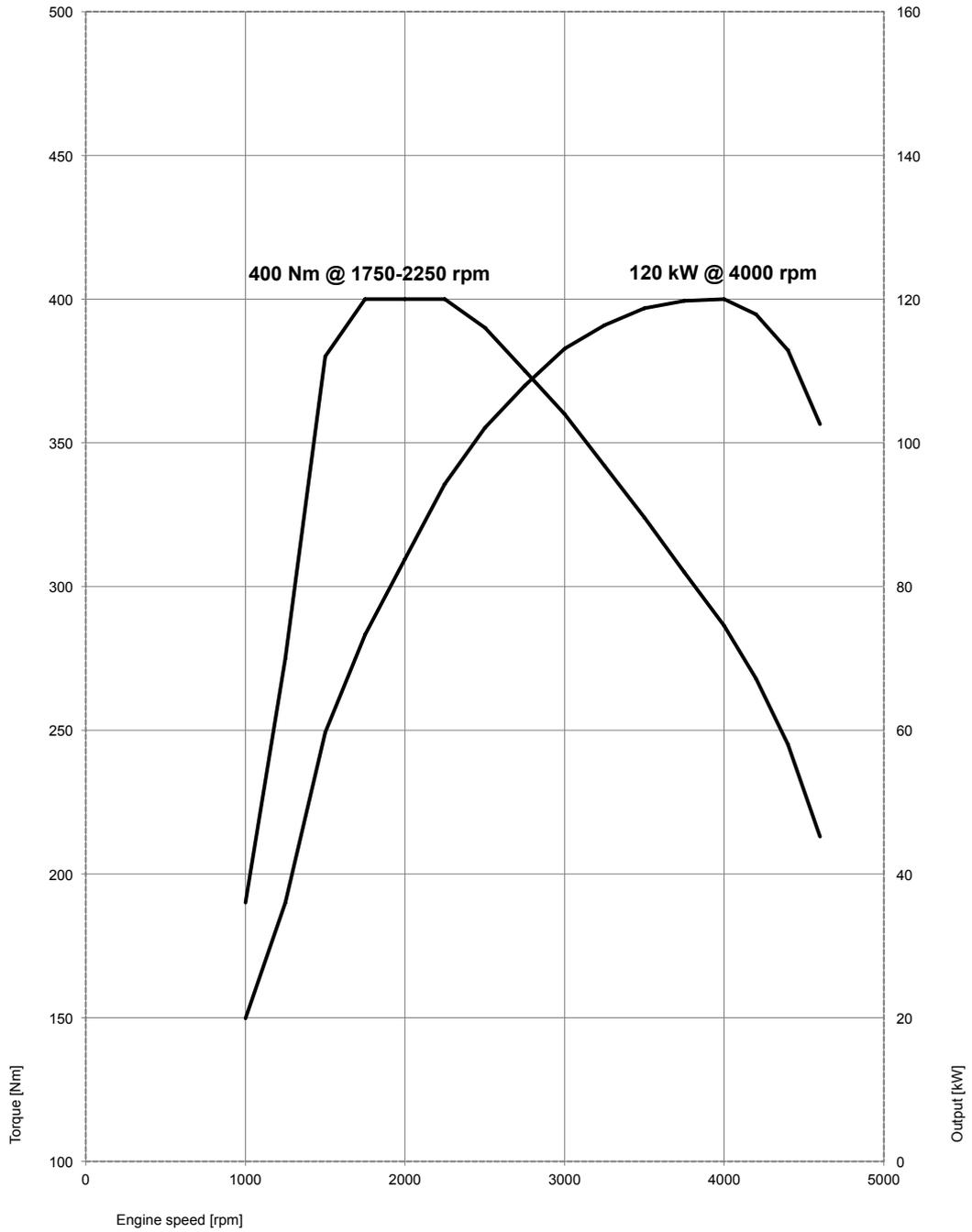


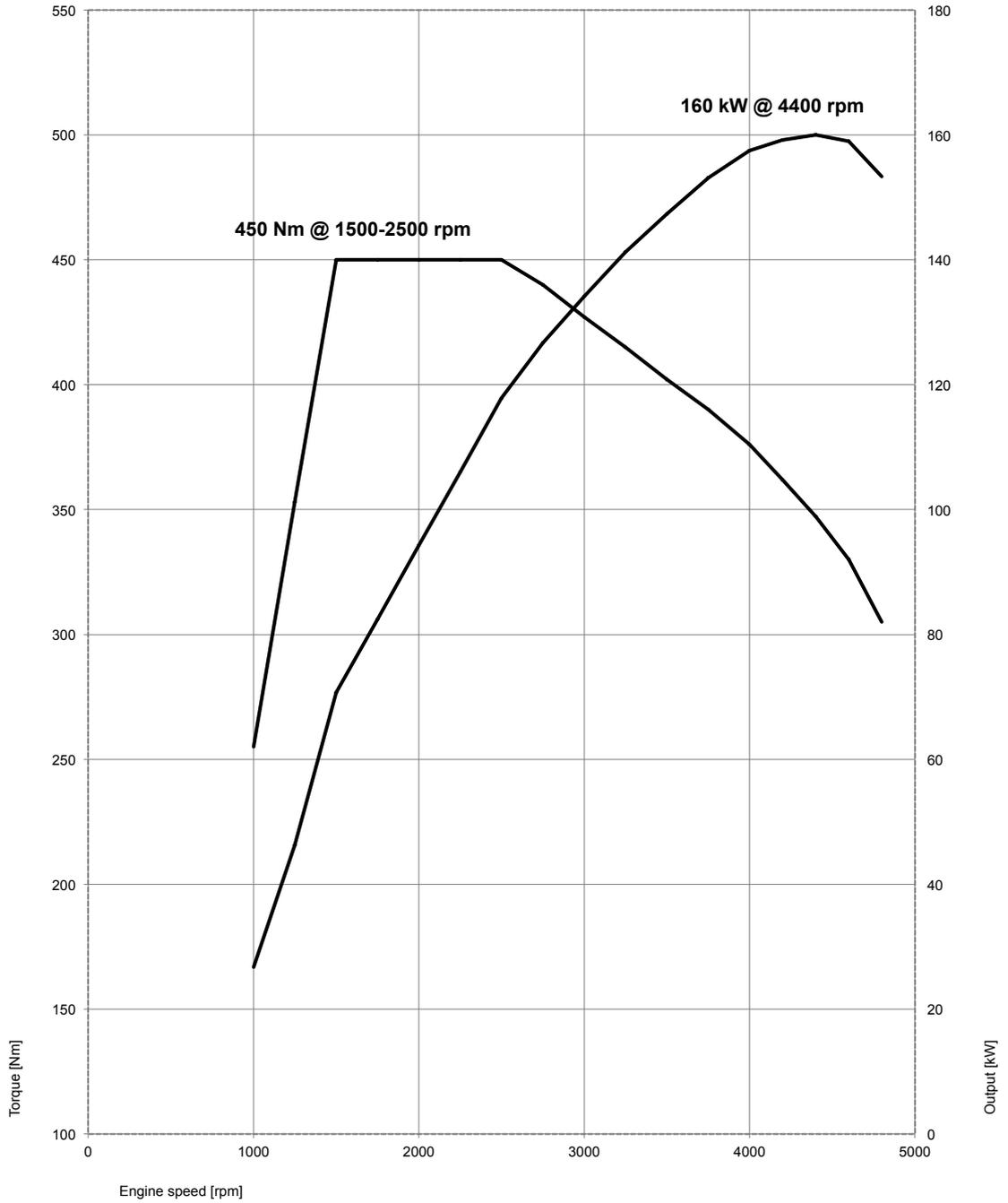


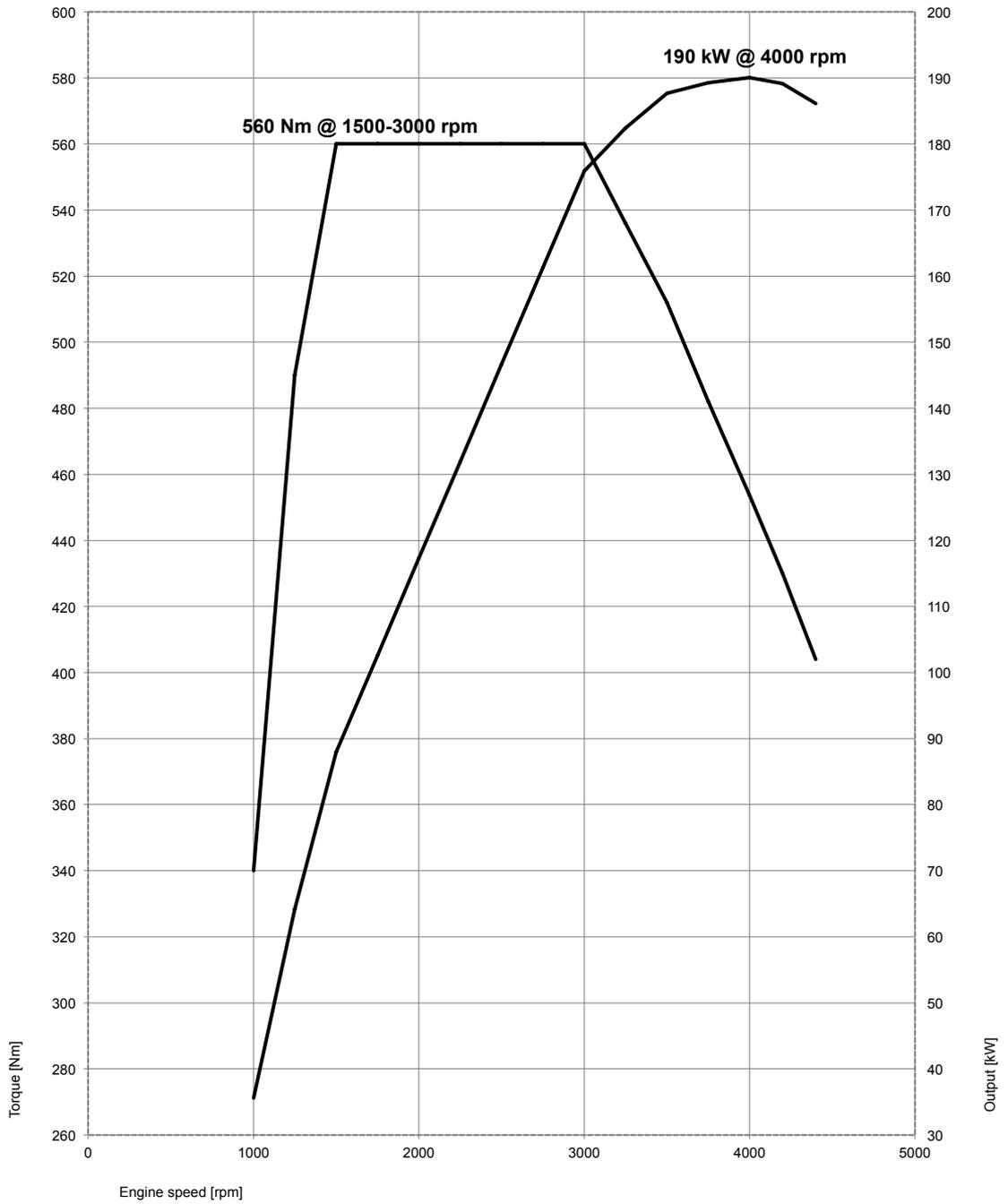


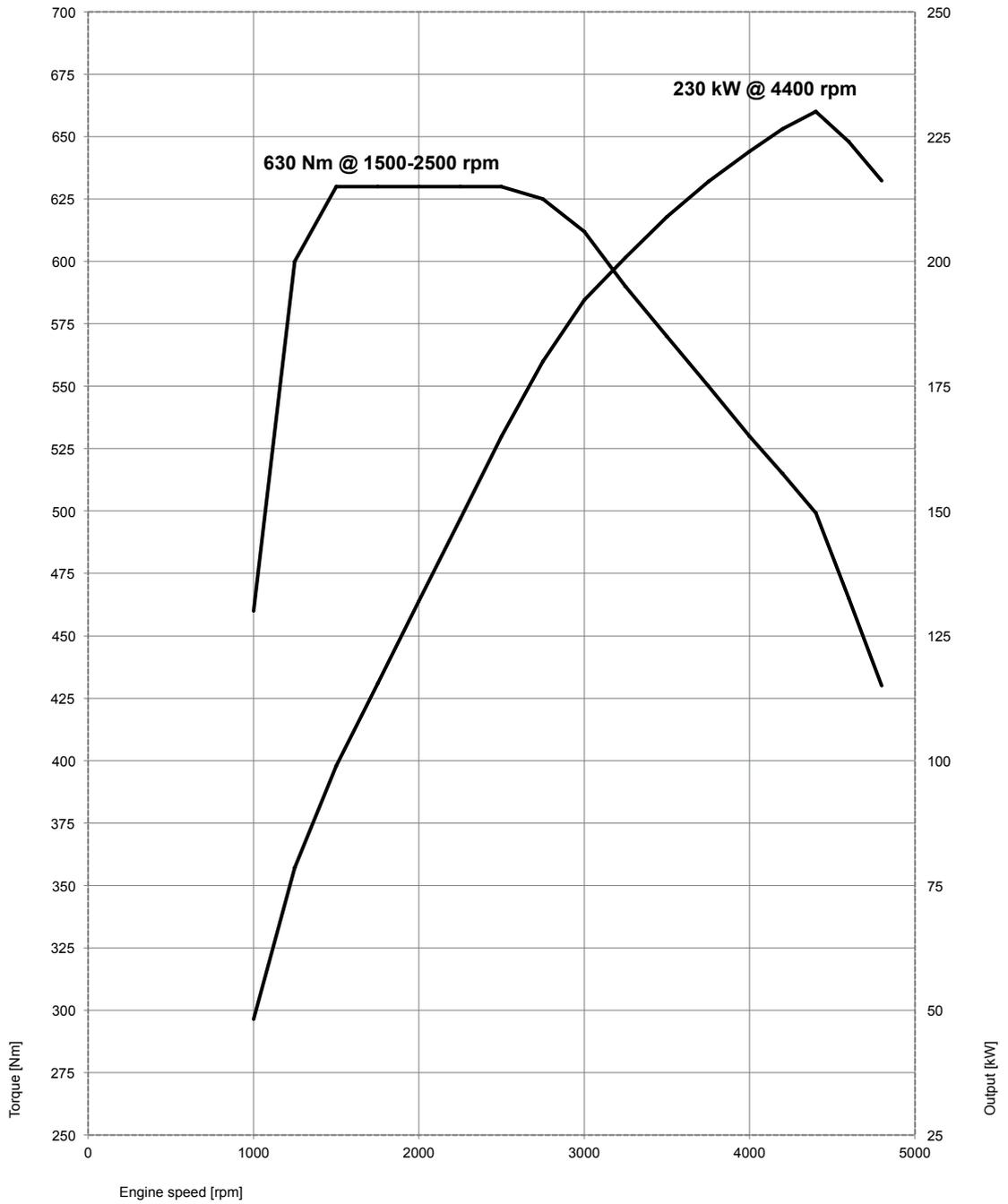


# BMW 320d EfficientDynamics Edition.

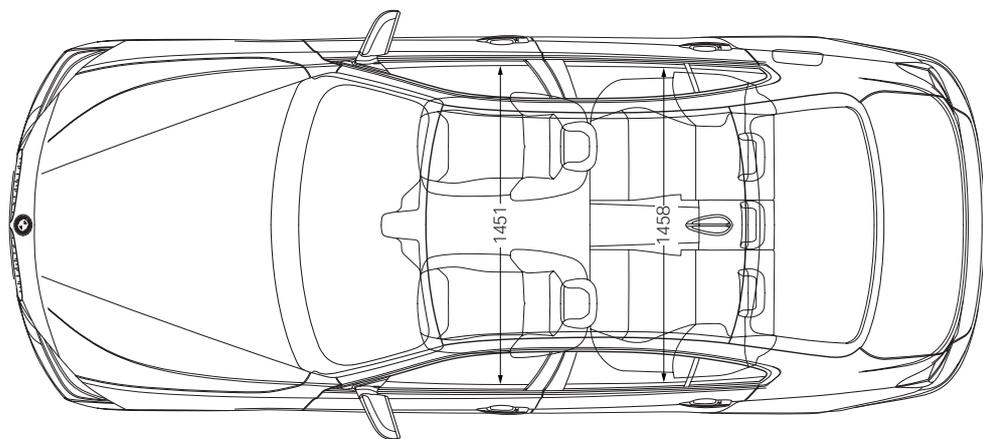
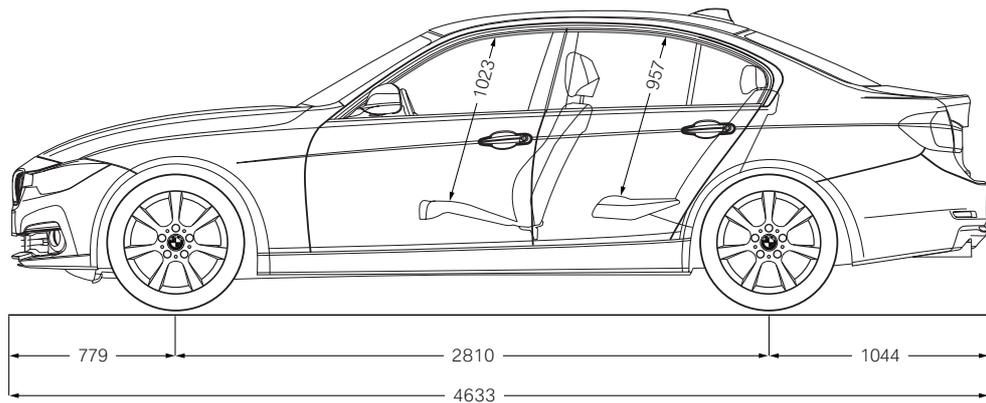
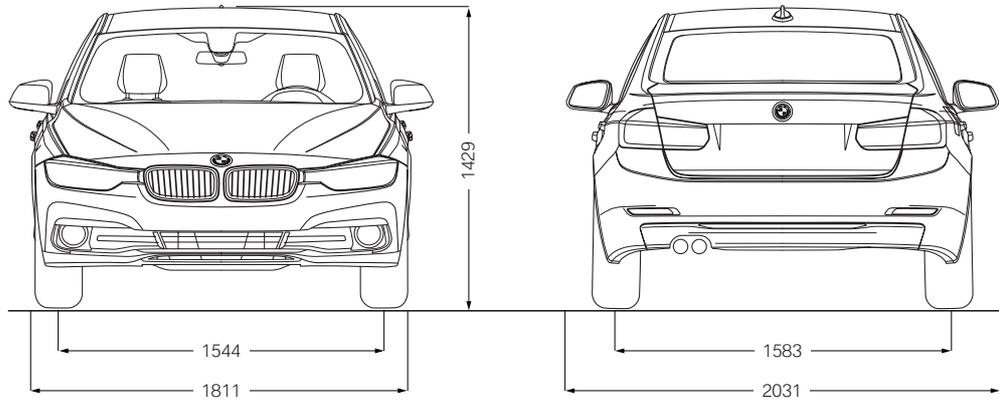








## 9. Exterior and interior dimensions. The new BMW 3 Series Sedan.



# The new BMW 3 Series Touring.

