

# The new BMW 6 Series model range. Contents.



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# 1. The new BMW 6 Series model range. (At a glance)



- The new BMW 6 Series model range cements its status as a gold standard for sports performance, luxurious driving pleasure and distinctive aesthetics in the luxury segment; the new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe display vivid expressions of sports performance and design elegance, and boast rigorous advances in the areas of dynamics, efficiency, exclusivity and innovation; sports exhaust system fitted as standard on petrol models helps to generate an even more intense driving experience; extra standard equipment and additional scope for precise individualisation underline the luxurious and bespoke character of the BMW 6 Series.
- One model series, three characters: exclusive open-top driving pleasure in the BMW 6 Series Convertible, majestic performance in the BMW 6 Series Coupe, irresistible aesthetics in the BMW 6 Series Gran Coupe.
- BMW 6 Series Convertible and BMW 6 Series Coupe offer significantly enhanced sports performance, the BMW 6 Series Gran Coupe a heightened sense of elegance.
- New design for the BMW kidney grille and the front and rear aprons accentuates the width of the body, as well as the car's power and solidity; larger tailpipe embellishers for all six-cylinder models.
- Newly developed full-LED headlights exude a sophisticated aura and are now fitted as standard; Adaptive LED Headlights with BMW Selective Beam anti-dazzle High Beam Assistant available as an option.
- New Jatoba metallic, Cashmere Silver metallic, Glacier Silver metallic, Mediterranean Blue metallic and Melbourne Red metallic paintwork finishes add renewed freshness.
- Newly developed 20-inch light-alloy wheels in exclusive multi-spoke design available as an option.
- Interior offers an exclusive ambience and new high-quality surfaces; bi-colour leather trim now available as an option.

- Introduction of the Design Pure Experience and Design Pure Excellence equipment lines shines a particularly bright spotlight on the sporty / luxurious facets of the new BMW 6 Series; extended range of BMW Individual options are also available.
- Six-cylinder in-line and V8 engines with BMW TwinPower Turbo technology.
- Dramatic engine soundtrack thanks to a standard-fitted sports exhaust system with switchable flap for all petrol models.
- Sports performance and ride comfort made-to-measure: Dynamic Damper Control, Adaptive Drive, Integral Active Steering, BMW xDrive.
- Connected Drive navigation package fitted as standard.
- Latest-generation BMW Head-Up Display promotes concentration on the road ahead.
- Concierge Service personal information service via a SIM card embedded in the car provides exclusive levels of convenience on the move.
- Driving Assistant Plus breaks new ground in safety.

- Model variants:

**BMW 650i Convertible (BMW 650i xDrive Convertible):**

V8 petrol engine with BMW TwinPower Turbo technology (two turbochargers, direct injection, VALVETRONIC).

Capacity: 4,395 cc, output: 330 kW/450 hp at 5,500 rpm,  
max. torque: 650 Nm (479 lb-ft) at 2,000 – 4,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 4.6 seconds (4.5 seconds),  
top speed: 250 km/h (155 mph).

Average fuel consumption\*: 9.1 – 8.9 litres (9.5 – 9.3 litres) per  
100 kilometres / 31.7 – 31.0 (30.4 – 29.7) mpg imp,

CO<sub>2</sub> emissions\*: 213 – 208 g/km (221 – 217 g/km), exhaust standard: EU6.

**BMW 640i Convertible (BMW 640i xDrive Convertible):**

Six-cylinder in-line petrol engine with BMW TwinPower Turbo technology (TwinScroll turbocharger, direct injection, VALVETRONIC).

Capacity: 2,979 cc, output: 235 kW/320 hp at 5,800 – 6,000 rpm,  
max. torque: 450 Nm (332 lb-ft) at 1,300 – 4,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 5.5 seconds (5.4 seconds),  
top speed: 250 km/h (155 mph).

Average fuel consumption\*: 7.9 – 7.6 litres (8.4 – 8.0 litres) per

100 kilometres / 37.2 – 35.8 (35.3 – 33.6) mpg imp,  
CO<sub>2</sub> emissions\*: 184 – 176 g/km (195 – 187 g/km), exhaust standard: EU6.

**BMW 640d Convertible (BMW 640d xDrive Convertible):**

Six-cylinder in-line diesel engine with BMW TwinPower Turbo technology (multi-stage turbocharging, high-pressure, with variable turbine geometry, common rail direct injection).

Capacity: 2,993 cc, output: 230 kW/313 hp at 4,400 rpm, max. torque: 630 Nm (464 lb-ft) at 1,500 – 2,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 5.5 seconds (5.3 seconds),  
top speed: 250 km/h (155 mph).

Average fuel consumption\*: 5.8 – 5.4 litres (6.0 – 5.6 litres) per  
100 kilometres / 52.3 – 48.7 (50.4 – 47.1) mpg imp,  
CO<sub>2</sub> emissions\*: 153 – 144 g/km (158 – 149 g/km), exhaust standard: EU6.

**BMW 650i Coupe (BMW 650i xDrive Coupe):**

V8 petrol engine with BMW TwinPower Turbo technology (two turbochargers, direct injection, VALVETRONIC).

Capacity: 4,395 cc, output: 330 kW/450 hp at 5,500 rpm,  
max. torque: 650 Nm (479 lb-ft) at 2,000 – 4,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 4.6 seconds (4.4 seconds),  
top speed: 250 km/h (155 mph).

Average fuel consumption\*: 8.8 – 8.6 litres (9.3 – 9.1 litres) per  
100 kilometres / 32.9 – 32.1 (31.0 – 30.4) mpg imp,  
CO<sub>2</sub> emissions\*: 206 – 199 g/km (217 – 213 g/km), exhaust standard: EU6.

**BMW 640i Coupe (BMW 640i xDrive Coupe):**

Six-cylinder in-line petrol engine with BMW TwinPower Turbo technology (TwinScroll turbochargers, direct injection, VALVETRONIC).

Capacity: 2,979 cc, output: 235 kW/320 hp at 5,800 – 6,000 rpm,  
max. torque: 450 Nm (332 lb-ft) at 1,300 – 4,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 5.3 seconds (5.2 seconds),  
top speed: 250 km/h (155 mph).

Average fuel consumption\*: 7.7 – 7.4 litres (8.2 – 7.9 litres) per  
100 kilometres / 38.2 – 36.7 (35.8 – 34.5) mpg imp,  
CO<sub>2</sub> emissions\*: 180 – 172 g/km (191 – 183 g/km), exhaust standard: EU6.

**BMW 640d Coupe (BMW 640d xDrive Coupe):**

Six-cylinder in-line diesel engine with BMW TwinPower Turbo technology (multi-stage turbocharging, high-pressure, with variable turbine geometry, common rail direct injection).

Capacity: 2,993 cc, output: 230 kW/313 hp at 4,400 rpm, max. torque: 630 Nm (464 lb-ft) at 1,500 – 2,500 rpm.

Acceleration [0 – 100 km/h / 62 mph]: 5.3 seconds (5.1 seconds),  
top speed: 250 km/h (155 mph).  
Average fuel consumption\*: 5.5 – 5.2 litres (5.8 – 5.5 litres) per  
100 kilometres / 54.3 – 51.4 (51.4 – 48.7) mpg imp,  
CO<sub>2</sub> emissions\*: 147 – 139 g/km (154 – 146 g/km), exhaust standard: EU6.

**BMW 650i Gran Coupe (BMW 650i xDrive Gran Coupe):**

V8 petrol engine with BMW TwinPower Turbo technology (two  
turbochargers, direct injection, VALVETRONIC).  
Capacity: 4,395 cc, output: 330 kW/450 hp at 5,500 rpm,  
max. torque: 650 Nm (479 lb-ft) at 2,000 – 4,500 rpm.  
Acceleration [0 – 100 km/h / 62 mph]: 4.6 seconds (4.4 seconds),  
top speed: 250 km/h (155 mph).  
Average fuel consumption\*: 8.8 – 8.6 litres (9.4 – 9.2 litres) per  
100 kilometres / 32.9 – 32.1 (30.7 – 30.1) mpg imp,  
CO<sub>2</sub> emissions\*: 206 – 199 g/km (219 – 215 g/km), exhaust standard: EU6.

**BMW 640i Gran Coupe (BMW 640i xDrive Gran Coupe):**

Six-cylinder in-line petrol engine with BMW TwinPower Turbo technology  
(TwinScroll turbochargers, direct injection, VALVETRONIC).  
Capacity: 2,979 cc, output: 235 kW/320 hp at 5,800 – 6,000 rpm,  
max. torque: 450 Nm (332 lb-ft) at 1,300 – 4,500 rpm.  
Acceleration [0 – 100 km/h / 62 mph]: 5.4 seconds (5.3 seconds),  
top speed: 250 km/h (155 mph).  
Average fuel consumption\*: 7.8 – 7.5 litres (8.2 – 7.9 litres) per  
100 kilometres / 37.7 – 36.2 (35.8 – 34.5) mpg imp,  
CO<sub>2</sub> emissions\*: 182 – 174 g/km (192 – 184 g/km), exhaust standard: EU6.

**BMW 640d Gran Coupe (BMW 640d xDrive Gran Coupe):**

Six-cylinder in-line diesel engine with BMW TwinPower Turbo technology  
(multi-stage turbocharging, high-pressure, with variable turbine geometry,  
common rail direct injection).  
Capacity: 2,993 cc, output: 230 kW/313 hp at 4,400 rpm, max. torque:  
630 Nm (464 lb-ft) at 1,500 – 2,500 rpm.  
Acceleration [0 – 100 km/h / 62 mph]: 5.4 seconds (5.2 seconds),  
top speed: 250 km/h (155 mph).  
Average fuel consumption\*: 5.7 – 5.4 litres (6.0 – 5.6 litres) per  
100 kilometres / 52.3 – 49.6 (50.4 – 47.1) mpg imp,  
CO<sub>2</sub> emissions\*: 152 – 143 g/km (158 – 149 g/km), exhaust standard: EU6.

\* Figures according to EU test cycle, may vary depending on the tyre format specified. All performance, fuel consumption and emissions figures are provisional.

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 und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. LeitfadenCO<sub>2</sub> (GuidelineCO<sub>2</sub>) (PDF – 2.7 MB)



## 2. The new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe: Three genuine athletes grace the luxury class.

- **New BMW 6 Series model range follows in the tradition of legendary dream cars.**
- **One model series, three individual characters majoring in exclusive open-top driving pleasure, majestic performance and irresistible aesthetics.**
- **BMW 6 Series Convertible and BMW 6 Series Coupe offer sharper sports performance, BMW 6 Series Gran Coupe boasts a heightened sense of elegance.**

A combination of intoxicating sports performance, majestic ride comfort, a luxurious interior ambience and innovative equipment features marks out the members of the BMW 6 Series model range. The new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe meet the highest expectations of a sporting luxury car in terms of driving dynamics, comfort, advanced technology and imposing elegance. Eye-catching accents and pinpoint refinements highlight the aesthetics of their body design and the exclusive flair of their interiors. The introduction of the Design Pure Experience and Design Pure Excellence equipment lines, meanwhile, gives customers attractive options when it comes to injecting these extraordinary cars with an even sportier or more luxurious aura.

A sporty driving experience lies at the heart of everything the new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe stand for. The performance capability of their engines, which boast cutting-edge BMW TwinPower Turbo technology, is further accentuated by the sports exhaust system now fitted as standard on all petrol variants. Evidence of the enormous dynamic potential offered by the BMW 6 Series model range comes in the form of the high-performance sports cars it has spawned: the BMW M6 Convertible (fuel consumption combined: 10.3 l/100 km [27.4 mpg imp]; CO<sub>2</sub> emissions combined: 239 g/km), BMW M6 Coupe (fuel consumption combined: 9.9 l/100 km [28.5 mpg imp]; CO<sub>2</sub> emissions combined: 232 g/km) and BMW M6 Gran Coupe (fuel consumption combined: 9.9 l/100 km [28.5 mpg imp]; CO<sub>2</sub> emissions combined: 232 g/km). Highlights including a 412 kW/560 hp V8 engine and bespoke suspension technology imbue this impressive triumvirate with track-specification performance attributes.

### **Sports performance and luxury – a combination rich in tradition.**

The new BMW 6 Series model range follows in a BMW tradition of legendary dream cars which now stretches back more than 75 years. Presented in 1937, the BMW 327 Sports Coupe was the most exclusive model in the company's line-up at the time. Then came the BMW 503 Coupe and BMW 507 Roadster, which were powered by the car world's first aluminium eight-cylinder engine and continue to enthral as 1950s style icons to this day. And later on, the BMW 2800 CS of 1968 pulled back the curtain on an era of luxury cars which took a whole new approach to combining sports performance and luxury. The BMW 3.0 CS, BMW 3.0 CSi and BMW 3.0 CSL followed in the tyre tracks of the 2800 CS in the years up to 1973. Designed for action in motor sport, these three models enjoyed several years of dominance on the racing stage. On the road, meanwhile, they represented a beacon of style and an expression of joy in superior performance.

Since 1976 these unmistakable characteristics have been grouped together in the BMW line-up under the model designation "6". The first-generation BMW 6 Series shone not only with its outstanding driving dynamics, but also its state-of-the-art comfort and safety technology. Its successor, unveiled in 2003, radiated a thoroughly progressive air, its dynamic appearance complemented by a wealth of innovations. The new variants added to the 6 Series line-up also broke new ground – and fundamentally enriched the driving experience on offer in the luxury class. The debut of the BMW 6 Series Convertible in 2004 saw driving pleasure in an exclusive sports car and the joy of advanced technology married with open-top enjoyment for the first time. And the world's sportiest six-cylinder diesel engine, introduced in the BMW 635d Coupe and BMW 635d Convertible in 2007, added another alluring facet to the driving pleasure offered by cars in this segment: impressive pulling power and exceptional efficiency were its hallmark qualities.

### **One model series, three different characters.**

The latest generation of the BMW 6 Series takes the dynamics, aesthetics, luxury and innovation offered by the model series to new heights. Moreover, the expansion of the range to span three body variants has ensured that driving pleasure in a luxury BMW can be experienced in an even wider variety of ways. The BMW 6 Series Convertible, BMW 6 Series Coupe and BMW 6 Series Gran Coupe provide customers with a choice of three distinctive characters, the introduction of the brand's first ever four-door Coupe giving the BMW 6 Series' popularity fresh momentum. Almost one in two newly registered BMW 6 Series cars is now a Gran Coupe. Worldwide, nigh-on 80,000 units of the current-generation BMW 6 Series have been sold in total since the market launch of the Convertible in March 2011.

The new BMW 6 Series Convertible is all about exclusive open-top driving enjoyment, comprising majestic ride comfort and richly engaging performance attributes in equal measure. A major element of the four-seater's extrovert charisma is the transition between the body and the interior, which has been designed to evoke the character of a boat deck – as is typical of BMW Convertibles – when the roof is down. The sophisticated fabric soft-top of the 6 Series Convertible stands out with its unique “fin” architecture, complete with a glass rear window that opens separately, and offers unrestricted all-season usability and unrivalled acoustic comfort.

The new BMW 6 Series Coupe embodies the classical character of an exclusive sports car. Its two-door body exudes an athletic and elegant aesthetic while its modern interior ambience is designed to immerse four people in a dynamic driving experience. The latest round of design and powertrain upgrades lends extra potency to the two-door model's muscular appearance and sporting potential.

The BMW 6 Series Gran Coupe conjures up a new balance of dynamic excellence, elegance and luxury. The latest addition to the BMW 6 Series range blends the sports performance and aesthetics of a coupe with the extended functionality of a four-door car. Its distinctive proportions and longer wheelbase accentuate the exterior's irresistible radiance. The interior of the BMW 6 Series Gran Coupe delivers luxurious long-distance comfort for the driver and passengers in four full-size seats and offers a third seat in the rear that is suitable for shorter journeys. Detail refinements showcase both the elegance of the body design and the exclusive ambience of the interior.

### 3. The design: A harmony of sporting presence and exclusive elegance.



- **The new design for the BMW kidney grille and front apron emphasises body width, power and exclusivity.**
- **New paintwork finishes and light-alloy wheels add fresh accents.**
- **The interior offers an exclusive ambience and deft surface refinements; bi-colour leather trim added to the options list.**

The balance between sporting dynamics and majestic ride comfort which defines the character of the BMW 6 Series is reflected in a body design exuding athleticism, power and elegance. Hallmark BMW proportions, precise lines and fluently moulded surfaces come together in an unmistakable design language that serves as a signature feature of the BMW 6 Series as a whole and is adapted to suit the Convertible, Coupe and Gran Coupe respectively.

An array of awards based on both public surveys and the assessments of expert judges bear testament to the appeal of the design developed for the BMW 6 Series model range. The BMW 6 Series Convertible, BMW 6 Series Coupe and BMW 6 Series Gran Coupe all won the renowned red dot award for outstanding product design at the first time of asking. The two-door models have also been recognised with the international Good Design Award and the iF product design award presented by the International Forum Design, while the BMW 6 Series Convertible has claimed the German Design Award. Meanwhile, in the Automotive Brand Contest – an international brand and design competition initiated by the German Design Council – the BMW 6 Series Coupe and BMW 6 Series Gran Coupe topped the exterior design category two years in succession. In readers' polls conducted by German motoring magazine auto, motor und sport, the BMW 6 Series Gran Coupe first claimed the "Autonis" award for the "Best new design of the year" and subsequently won the luxury category in the vote for "Best car of the year".

#### **More powerful, sportier, sharper: BMW kidney grille and front apron.**

All the models in the new BMW 6 Series line-up stand out with an adeptly modified design that exudes powerful sports performance and, at the same time, emphasises the exclusive elegance of these luxury cars. The BMW kidney grille – standing prominently in the centre of the front end, as ever – is now even more eye-catching. The number of bars in the kidney grille has been reduced from 10 to nine, and the larger openings are an indication

of the amount of cooling air required by the powerful engines. The new contours of the kidney grille bars (in aluminium matt on the eight-cylinder variants and black on the remaining models) underline the forward-surgingly stance of the radiator grille element. The new front apron, whose lower air intake is now a single stylistic unit and therefore comes across as ultra-wide, radiates sports performance and solidity. The front foglamps, which are positioned at the far outer edges of the front end, consist of three adjacent LED units and now feature a decorative surround. This trim element is chrome on the new BMW 6 Series Convertible and comes in high-gloss black for the new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe.

The full-LED headlights fitted as standard on all the models in the new BMW 6 Series line-up include a newly developed and extremely sophisticated design for the light sources. This has brought about a new interpretation of the signature BMW look created by the twin circular headlights. The low beam light is emitted from the two upper reflectors, the main beam light from the two lower reflectors. The indicators are now integrated into the accent strip cutting across the top of the headlight units.

**Side view: aerodynamically optimised exterior mirrors, newly designed model badge for the BMW 6 Series Gran Coupe.**

Like the modified design of the front apron, newly styled exterior mirrors also contribute to the optimised aerodynamics of the models in the new BMW 6 Series, while the side indicators are now integrated into the exterior mirrors in the form of slim horizontal light strips.

The standalone proportions of the BMW 6 Series Gran Coupe and the exclusive elegance of its lines are emphasised even more clearly by a new design for the side window surrounds at the trailing edge of the rear doors. There, a graphic element bearing “Gran Coupe” lettering guides the eye to the “counter-swing” at the foot of the C-pillar (known as the Hofmeister kink). On the new BMW 6 Series Gran Coupe this element is made from black painted aluminium and bears raised, embossed lettering.

**Rear apron strongly emphasises the cars’ width.**

On all models in the BMW 6 Series, flared wheel arches and a rear-end structure visually stretched by horizontal lines provide a vivid stylistic showcase for the cars’ wide track and resultant surefooted handling. This effect is further enhanced by a chrome strip in the bumper trim. The rear apron of the six-cylinder models also features larger surrounds for the exhaust system’s tailpipe embellishers, whose diameter has been increased from 80 to 90 millimetres.

Elsewhere, a newly designed 20-inch multi-spoke variant has been added to the selection of optional light-alloy wheels. And the range of exterior paintwork finishes includes the new colour shades Jatoba metallic, Cashmere Silver metallic, Glacier Silver metallic, Mediterranean Blue metallic and Melbourne Red metallic.

**Luxurious interior ambience, newly designed surfaces, optional bi-colour leather trim.**

The signature interior design for the new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe is dominated by the driver-focused cockpit, a front passenger area enveloped by elegantly sweeping surfaces and a seamless connection between the front seats and rear compartment – all of which makes it a recipe for exclusive comfort in a stylishly luxurious ambience.

In the new BMW 6 Series models, the high-gloss black surfaces of the centre console around the control units for the audio system and air conditioning form a harmonious and elegant unit with the black-panel displays of the standard-fitted automatic climate control. The slim, precise chrome surround of the iDrive operating system's freestanding Control Display and the frameless design of its glass cover create a particularly contemporary and sophisticated feel. And the use of LED units for the illumination of the footwells, door exits and glove compartment provides an extremely even distribution of light.

As an alternative to the standard Dakota leather trim, customers can specify Exclusive Nappa leather with extended features, which is now also available for the new BMW 6 Series models in the bi-colour variants Ivory White/Black and Cognac/Black. Finition Brown fine-wood trim has been added to the selection of optional interior trim strips.



## 4. **Equipment, Design Pure Experience, Design Pure Excellence, M Sport package and BMW Individual: Bespoke luxury, aesthetics and driving pleasure.**

- **New equipment lines offer detailed personalisation.**
- **High-quality options for enhanced comfort and exclusive style.**
- **Model-specific M Sport package and BMW Individual features.**

The new BMW 6 Series generates an intense form of driving pleasure regardless of the body variant specified and the engine fitted. It also boasts a beguilingly exclusive edge thanks to its luxurious interior ambience, extensive spread of standard equipment and high-quality options. As well as the eight-speed Steptronic sport transmission and LED headlights, all models are fitted as standard with the ConnectedDrive navigation package, Dakota leather trim, heated and electrically adjustable seats for the driver and front passenger (including memory function), two-zone automatic climate control with extended features, an electrically adjustable sports leather steering wheel with multifunction buttons, cruise control with braking function, electrically adjustable and heated exterior mirrors, the Professional radio, a hi-fi loudspeaker system and a hands-free facility with USB audio interface.

The standard lightweight integral seats for the driver and front passenger come with an integrated belt system, whose optimised retraction mechanism uses electric assistance to enhance comfort. Customers can order their car with sports or comfort seats as an option for the driver and front passenger. The comfort seats are also available with the “active” function and active seat ventilation. Exclusive Nappa leather with extended features can be specified as an alternative to standard leather trim. Both the leather variants earmarked for the new BMW 6 Series Convertible are treated with SunReflective technology, which reduces the degree to which the surfaces are heated by the sun’s rays. The BMW 6 Series Gran Coupe can also be ordered with heated rear seats.

### **Premiere for Design Pure Experience and Design Pure Excellence.**

Two equipment lines pave the way for targeted personalisation in the configuration of the new BMW 6 Series models. The Design Pure Experience line highlights the car’s sporting aura through the specification of a BMW kidney grille with high-gloss black bars, BMW Individual High-gloss Shadow Line trim, likewise high-gloss black tailpipe embellishers for the exhaust system and 19-inch bi-colour light-alloy wheels in exclusive star-spoke design. The interior sees Nappa leather trim in the new bi-colour variant

Cognac/Black sharing the limelight with interior trim strips in Finesse Brown fine wood.

The Design Pure Excellence option accentuates the exclusive appearance of the new BMW 6 Series model range with the addition of 19-inch light-alloy wheels and luxurious interior appointments. These include the newly designed Nappa leather trim in Ivory White/Black, a leather-covered instrument panel with contrast stitching, ceramic applications for the controls and interior trim strips in Poplar Grain Grey fine wood. In addition, both equipment lines include metallic paintwork and optional ambient lighting complete with illuminated door sill finishers.

### **Supreme dynamics and exclusivity: M Sport package and BMW Individual features.**

An M Sport package can be specified for the new BMW 6 Series Convertible, the new BMW 6 Series Coupe and the new BMW Series Gran Coupe to further optimise their dynamic aura and performance attributes. The Sport package – configured to suit the individual model – includes features such as an M aerodynamic package (with specific body components for the front end, side skirts and rear apron), BMW Individual High-gloss Shadow Line trim, tailpipe embellishers in dark chrome, black painted brake callipers and 19-inch light-alloy wheels in M double-spoke design. 20-inch light-alloy wheels in M double-spoke design are also available. M Carbon Black metallic paintwork can be specified exclusively in conjunction with the M Sport package. Meanwhile, additions including sports seats in M-specific Alcantara/Nappa leather trim with blue contrast stitching, an M leather steering wheel with multifunction buttons and gearshift paddles, Aluminium Hexagon interior trim strips, door sill finishers with an M logo and an M driver's footrest ensure the design of the interior fulfils the brief of concentrated driving pleasure. A BMW Individual roof liner in Anthracite is also part of the M Sport package for the new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe.

The BMW Individual options offered for the new BMW 6 Series models satisfy the desire of customers to maximise exclusivity and infuse the exterior and interior of the car with their personal style. The BMW Individual paintwork finishes, special paintwork finishes and matt paintwork finishes stand out with their exceptional richness and fascinating colour effects. The Frozen Brilliant White matt shade – a new addition to the BMW Individual range – gives the body surfaces the appearance of being covered in an even layer of ice and, in so doing, showcases the muscular contours of the new BMW 6 Series models to particularly enthralling effect. The 20-inch, forged BMW Individual light-alloy wheels in V-spoke design also play their part in achieving a striking appearance.

BMW Individual fine-grain Merino full-leather trim, with carefully selected and meticulously prepared raw materials taking centre stage, helps create an exclusive interior design. The leather used for the seats, door panel trim, centre console, armrests and door pulls has a natural open-pored structure; the soft and breathable surfaces are elegant to the eye and offer excellent comfort. Exquisite materials and meticulous handcraftsmanship are defining features of the interior appointments from BMW Individual. The range also includes a BMW Individual roof liner in Alcantara for the BMW 6 Series Coupe and BMW 6 Series Gran Coupe, illuminated door sill finishers with BMW Individual lettering, BMW Individual interior trim strips and a BMW Individual wood inlay for the leather steering wheel. More unusual requests from customers can also be met, extending all the way to one-off creations conjured entirely in the BMW Individual Manufactory.

**Options for bespoke driving pleasure and comfort.**

Customers can also dip into the list of high-quality optional extras to further enhance levels of driving pleasure and comfort in the new BMW 6 Series models. These include Comfort Access and the Soft Close Automatic function for the doors, a glass tilting sunroof for the new BMW 6 Series Coupe and the new BMW 6 Series Gran Coupe, and a draught-stop for the BMW 6 Series Convertible which reduces turbulence when driving with the roof down. A four-zone automatic climate control system is available for the BMW 6 Series Gran Coupe, while electrically operated sunblinds can be ordered for the rear window of the new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe, and for the rear side windows of the four-door model.

The iDrive operating system's Touch Controller has a touch-sensitive surface for inputting characters. Customers can bring further variety to the range of in-car entertainment, not to mention maximise their listening pleasure, by specifying options such as a TV function, a Digital Audio Broadcasting (DAB) receiver, the Harman Kardon HiFi system and the Bang & Olufsen high-end surround-sound system.

## 5. The driving experience: Feel the dynamics, savour the poise and assurance.



- **BMW EfficientDynamics: six-cylinder in-line and V8 engines with BMW TwinPower Turbo technology.**
- **Dramatic engine soundtrack thanks to standard-fitted sports exhaust system with switchable valve for petrol models.**
- **Sports performance and ride comfort can be varied according to driver preferences: Dynamic Damper Control, Adaptive Drive, Integral Active Steering, BMW xDrive.**

Supreme power development, impressive refinement and exemplary efficiency are attributes shared by all the engines available for the new BMW 6 Series Convertible, new BMW 6 Series Coupe and new BMW 6 Series Gran Coupe. The range consists of a petrol V8 producing 330 kW/450 hp, a 235 kW/320 hp six-cylinder in-line petrol unit and a straight-six diesel with 230 kW/313 hp. All enjoy the benefits of the BMW TwinPower Turbo technology developed under the BMW EfficientDynamics banner, all meet the EU6 exhaust emissions standard and all link up as standard with an eight-speed Steptronic sport transmission.

As an alternative to sending their engine power to the rear wheels – as is customary for BMW cars – all new BMW 6 Series model variants can also be specified with the BMW xDrive intelligent all-wheel-drive system. The variable distribution of drive between the front and rear wheels not only optimises traction and directional stability in all weather and road conditions, it also noticeably enhances cornering dynamics and acceleration. BMW xDrive further improves the 0 to 100 km/h (62 mph) performance of all the 6 Series models. The best figures here are recorded by the eight-cylinder BMW 650i xDrive Coupe and BMW 650i xDrive Gran Coupe, which both complete the sprint in 4.4 seconds.

### **Standard-fitted sports exhaust system for an emotion-rich sound.**

The engines powering the new BMW 6 Series models are designed to deliver captivating performance, as a new addition to the range of standard equipment is not afraid to emphasise. The BMW 640i Convertible, BMW 640i Coupe and BMW 640i Gran Coupe are now equipped with a sports exhaust system, which provides an emotionally dramatic soundtrack to their engines' instantaneous and sustained wave of power.

The system features a switchable exhaust valve, whose position can be adjusted using the Driving Experience Control switch. In SPORT and SPORT+ modes, the valve opens to reduce exhaust backpressure and generates a dramatic aural response. The engine management system allows further acoustic optimisations, including dynamic load-reversal damping.

**Superior sports performance, optimised efficiency.**

BMW TwinPower Turbo technology helps the engines to develop their power instantaneously, gives them a vivacious appetite for revs and imbues them with impressive efficiency. The extensive array of BMW EfficientDynamics technology fitted as standard and the cars' optimised aerodynamic properties also contribute to a further reduction in fuel consumption and emissions. For example, the BMW 640i Convertible, BMW 640i Coupe and BMW 640i Gran Coupe – all powered by a six-cylinder in-line petrol engine – each burn 0.2 litres less fuel per 100 kilometres than their direct predecessors. The diesel models achieve a similar reduction in their fuel consumption and emissions. With average economy of 5.5 – 5.2 litres per 100 kilometres (54.3 – 51.4 mpg imp) and CO<sub>2</sub> emissions of 147 – 139 grams per kilometre (figures as per the EU test cycle, depending on the tyre format), the new BMW 640d Coupe sets the efficiency benchmark.

The eight-speed Steptronic sport transmission also plays a role in the powertrain's outstanding effectiveness thanks to its excellent internal efficiency, while its impressive fast-shifting ability sharpens the sporting characteristics of the new BMW 6 Series models. As well as gearshift paddles on the steering wheel, the eight-speed Steptronic sport transmission also comes with a Launch Control function, which enables the driver to power away from the line with maximum dynamic force.

**Cutting-edge suspension systems enhance dynamics and comfort.**

State-of-the-art suspension technology honed even more precisely to each individual model strikes a fine balance between dynamic potency and comfort. And customers can specify sophisticated options to complement this technology: Dynamic Damper Control adapts its responses electronically to the situation at hand, and the Adaptive Drive system – which includes active roll stabilisation – further enhances the driving qualities of the new BMW 6 Series models.

In addition to controlling the amount of speed-dependent steering assistance generated and regulating the steering angle of the front wheels, Integral Active Steering also adjusts the steering angle of the rear wheels. This helps to reduce the amount of steering effort required, provides excellent agility in dynamic driving situations, ensures comfortable and assured responses when

changing lanes and navigating through corners, and reduces the car's turning circle.



## 6. **BMW ConnectedDrive in the new BMW 6 Series model range: Intelligent connectivity for the ultimate in driving pleasure.**

- **Latest-generation BMW Head-Up Display improves concentration on the road ahead.**
- **Personal Concierge Service ensures exclusive convenience on the move.**
- **Driving Assistant Plus points the way in terms of safety.**

The progressive nature of the BMW 6 Series is also reflected in its diverse range of standard and optional driver assistance systems and mobility services from BMW ConnectedDrive, which are aimed at optimising convenience, safety and the use of infotainment functions. When it comes to the intelligent link-up of the driver, car and outside world, the new BMW 6 Series Convertible, the new BMW 6 Series Coupe and the new BMW 6 Series Gran Coupe play a stand-out role in their respective market segments.

All new BMW 6 Series models come as standard with the ConnectedDrive navigation package, a hands-free facility with USB interface and a SIM card embedded in the car. The SIM card enables use of the likewise standard Intelligent Emergency Call system and BMW TeleServices, as well as data transfer for other functions, such as ConnectedDrive Services and Real Time Traffic Information for the navigation system.

### **Important information exactly where you want it: BMW Head-Up Display.**

One of the highlights of the range of BMW ConnectedDrive driving assistance systems is the BMW Head-Up Display, which projects relevant driving information onto the windscreen using a full spectrum of colour. As well as vehicle speed, 3D graphics also show Check Control messages, navigation information – including lane recommendations, speed limits and overtaking restrictions – and further information supplied by the driver assistance systems in the driver's direct field of view. When required, telephone contact lists and entertainment information can also be displayed.

The multifunction instrument display also contributes to the full-blooded driving pleasure laid on by the new BMW 6 Series. This variant of the cockpit display takes its cues from the mode selected using the Driving Experience Control switch, the graphics and colours of the displays indicating clearly which of the COMFORT, ECO PRO and SPORT settings has been engaged.

Speed Limit Info including No Passing Info display and the Lane Departure Warning system (both options) are also designed to promote assured driving. Meanwhile, the Park Distance Control, rear view camera and Surround View options help to provide a better overview of the area around the car and the road ahead. The BMW Parking Assistant (also optional) helps the driver to identify and drive into parallel parking spaces. Driving enjoyment and safety in darkness are enhanced by the Adaptive LED Headlights with BMW Selective Beam (for optimised high beam use) and the BMW Night Vision system with pedestrian and animal recognition.

### **Driving Assistant Plus uses intelligent connectivity to optimise safety.**

Among the other innovative technologies on the options list is the Driving Assistant Plus safety package. This camera and radar-based driver assistance system includes the Active Cruise Control system with Stop & Go function, the Lane Departure Warning system and a Pedestrian and Collision Warning system with Braking function. This system detects standing vehicles and vehicles travelling ahead and, at speeds up to 60 km/h (37 mph), also pedestrians who are on a potential collision course with the car. Visual and audible warnings are given if a hazardous situation is detected, and at the same time the brake system is primed in order to reduce the stopping distance. If the driver fails to react to the warning, Driving Assistant Plus automatically brakes the car, if necessary applying maximum deceleration.

### **ConnectedDrive Services for greater convenience and mobile office functions.**

An embedded SIM card in the BMW 6 Series models opens up new scope for mobile communications and the use of online services inside the car. Included as standard, ConnectedDrive Services take the levels of convenience and variety offered in the areas of onboard office applications, navigation capability and in-car information to unrivalled heights – thanks to innovative services such as the remote functions and the BMW Online portal. One feature unmatched by the new BMW 6 Series' rivals is the Concierge Service from BMW ConnectedDrive. This option offers the driver a personal information service which – using a mobile phone connection – can be contacted via the iDrive menu around the clock, at the touch of a button and at no additional cost. The staff at the call centre can take care of hotel reservations, for example, look up flight information, seek out addresses of out-of-hours pharmacies or ATM machines and provide information on points of interest. Telephone numbers and addresses for the navigation system can be sent directly from the call centre to the car and then transferred by the driver at the touch of a button into their navigation system.

Many other BMW ConnectedDrive services can be installed at any time using apps, via a smartphone or the embedded SIM card. Among other things, these apps support web radio functions, social media platforms such as Facebook and Twitter, and the BMW ConnectedDrive range of online entertainment features, which offer access to more than 24 million music tracks and thousands of audio books. This flexible apps concept makes it possible to incorporate not just applications developed by the BMW Group but also “BMW Apps ready” applications from other providers.

# 7. Technical specifications.

## BMW 640i Convertible, BMW 640i xDrive Convertible.



		BMW 640i Convertible	BMW 640i xDrive Convertible
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1365	4894 / 1894 / 1365
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	123	123
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	ltr	10.2	9.9
Engine oil <sup>1)</sup>	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1820 / 1895	1890 / 1965
Max load to DIN	kg	460	460
Max permissible weight	kg	2325	2390
Max axle load, front/rear	kg	1095 / 1290	1150 / 1310
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	- / -	- / -
Luggage comp capacity	ltr	300 – 350	300 – 350
Air resistance	c <sub>d</sub> x A	0.30 x 2.23	0.31 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology with TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	2979	2979
Stroke/bore	mm	89.6 / 84.0	89.6 / 84.0
Compression ratio	:1	10.2	10.2
Fuel		min RON 91	min RON 91
Max output	kW/hp	235 / 320	235 / 320
at	rpm	5800 – 6000	5800 – 6000
Max torque	Nm	450	450
at	rpm	1300 – 4500	1300 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640i xDrive); optional: Dynamic Damper Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, rollover protection system, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC	225/55 R17 97Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		<b>BMW 640i Convertible</b>	<b>BMW 640i xDrive Convertible</b>
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.295	3.295
Final drive	:1	3.231	3.231
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.7	8.0
Output per litre	kW/ltr	78.9	78.9
Acceleration	0–100 km/h	s	5.5
	0–1000 m	s	25.2
In 5th gear	80–120 km/h	s	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	10.6	11.2
Extra-urban	l/100 km	5.8	6.2
Combined	l/100 km	7.6	8.0
CO <sub>2</sub>	g/km	176	187
With rims 8J x 18 and tyres 245/45 R18 or winter tyres (optional 2SR, 9WR, 931)			
Urban	l/100 km	10.7	11.4
Extra-urban	l/100 km	5.9	6.3
Combined	l/100 km	7.7	8.2
CO <sub>2</sub>	g/km	179	191
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	11.0	11.7
Extra-urban	l/100 km	6.1	6.4
Combined	l/100 km	7.9	8.4
CO <sub>2</sub>	g/km	184	195
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 650i Convertible, BMW 650i xDrive Convertible.

		<b>BMW 650i Convertible</b>	<b>BMW 650i xDrive Convertible</b>
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1365	4894 / 1894 / 1365
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	123	123
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	14.4	14.4
Engine oil <sup>1)</sup>	l	9.0	9.0
Weight, unladen, to DIN/EU	kg	1930 / 2005	1980 / 2055
Max load to DIN	kg	460	460
Max permissible weight	kg	2425	2480
Max axle load, front/rear	kg	1160 / 1315	1210 / 1330
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	- / -	- / -
Luggage comp capacity	ltr	300 – 350	300 – 350
Air resistance	c <sub>d</sub> x A	0.32 x 2.23	0.32 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		V / 8 / 4	V / 8 / 4
Engine technology		BMW TwinPower Turbo technology with two turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	4395	4395
Stroke/bore	mm	88.3 / 89.0	88.3 / 89.0
Compression ratio	:1	10.0	10.0
Fuel		min RON 91	min RON 91
Max output	kW/hp	330 / 450	330 / 450
at	rpm	5500 – 6000	5500 – 6000
Max torque	Nm	650	650
at	rpm	2000 – 4500	2000 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	105 / luggage comp	105 / luggage comp
Alternator	A/W	210 / 2940	210 / 2940
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 650i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 650i xDrive); optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, rollover protection system, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		245/45 R18 96Y RSC	245/45 R18 96Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy

		<b>BMW 650i Convertible</b>	<b>BMW 650i xDrive Convertible</b>
<b>Transmission</b>			
Type of transmission	8-speed Steptronic sport transmission		
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
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	5.8	6.0
Output per litre	kW/l	75.1	75.1
Acceleration	0–100 km/h	s	4.6
	0–1000 m	s	22.9
In 5th gear	80–120 km/h	s	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 650i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, flowrate-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 18, tyres 245/45 R18			
Urban	l/100 km	12.4	13.0
Extra-urban	l/100 km	6.9	7.1
Combined	l/100 km	8.9	9.3
CO <sub>2</sub>	g/km	208	217
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	12.7	13.2
Extra-urban	l/100 km	7.0	7.3
Combined	l/100 km	9.1	9.5
CO <sub>2</sub>	g/km	213	221
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 640d Convertible, BMW 640d xDrive Convertible.

		<b>BMW 640d Convertible</b>	<b>BMW 640d xDrive Convertible</b>
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1365	4894 / 1894 / 1365
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	123	123
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	ltr	8.0	8.0
Engine oil <sup>1)</sup>	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1860 / 1935	1930 / 2005
Max load to DIN	kg	460	460
Max permissible weight	kg	2365	2440
Max axle load, front/rear	kg	1110 / 1310	1170 / 1320
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	- / -	- / -
Luggage comp capacity	l	300 – 350	300 – 350
Air resistance	c <sub>d</sub> x A	0.29 x 2.23	0.30 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high-pressure and variable-geometry turbocharger, common rail direct injection with piezo injectors (max injection pressure: 2000 bar)	
Effective capacity	cm <sup>3</sup>	2993	2993
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	230 / 313	230 / 313
at	rpm	4400	4400
Max torque	Nm	630	630
at	rpm	1500 – 2500	1500 – 2500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640d), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640d xDrive); optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, rollover protection system, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC	225/55 R17 97Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		<b>BMW 640d Convertible</b>	<b>BMW 640d xDrive Convertible</b>
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.317	3.317
Final drive	:1	2.813	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	8.1	8.4
Output per litre	kW/ltr	76.8	76.8
Acceleration	0–100 km/h	s	5.5
	0–1000 m	s	25.1
In 5th gear	80–120 km/h	s	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640d), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance, BMW BluePerformance technology		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	6.2	6.5
Extra-urban	l/100 km	5.0	5.1
Combined	l/100 km	5.4	5.6
CO <sub>2</sub>	g/km	144	149
With rims 8J x 18 and tyres 245/45 R18 or winter tyres (optional 2SR, 9WR, 931)			
Urban	l/100 km	6.5	6.7
Extra-urban	l/100 km	5.1	5.3
Combined	l/100 km	5.6	5.8
CO <sub>2</sub>	g/km	149	154
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	6.7	6.8
Extra-urban	l/100 km	5.3	5.5
Combined	l/100 km	5.8	6.0
CO <sub>2</sub>	g/km	153	158
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 640i Coupe, BMW 640i xDrive Coupe.

		<b>BMW 640i Coupe</b>	<b>BMW 640i xDrive Coupe</b>
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1369	4894 / 1894 / 1369
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	124	124
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	10.2	9.9
Engine oil <sup>1)</sup>	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1685 / 1760	1765 / 1840
Max load to DIN	kg	460	460
Max permissible weight	kg	2210	2265
Max axle load, front/rear	kg	1090 / 1185	1140 / 1210
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	l	460	460
Air resistance	c <sub>d</sub> x A	0.29 x 2.23	0.29 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology with TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	2979	2979
Stroke/bore	mm	89.6 / 84.0	89.6 / 84.0
Compression ratio	:1	10.2	10.2
Fuel		min RON 91	min RON 91
Max output	kW/hp	235 / 320	235 / 320
at	rpm	5800 – 6000	5800 – 6000
Max torque	Nm	450	450
at	rpm	1300 – 4500	1300 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	AW	170 / 2380	170 / 2380
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640i xDrive); optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC	225/55 R17 97Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		<b>BMW 640i Coupe</b>	<b>BMW 640i xDrive Coupe</b>
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.295	3.295
Final drive	:1	3.231	3.231
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.2	7.5
Output per litre	kW/l	78.9	78.9
Acceleration	0–100 km/h s	5.3	5.2
	0–1000 m s	24.8	24.9
In 5th gear	80–120 km/h s	–	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	10.3	10.9
Extra-urban	l/100 km	5.7	6.1
Combined	l/100 km	7.4	7.9
CO <sub>2</sub>	g/km	172	183
With rims 8J x 18 and tyres 245/45 R18 or winter tyres (optional 2SR, 9WR, 931)			
Urban	l/100 km	10.5	11.2
Extra-urban	l/100 km	5.9	6.2
Combined	l/100 km	7.6	8.0
CO <sub>2</sub>	g/km	176	187
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	10.7	11.4
Extra-urban	l/100 km	6.0	6.3
Combined	l/100 km	7.7	8.2
CO <sub>2</sub>	g/km	180	191
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 650i Coupe, BMW 650i xDrive Coupe.

		<b>BMW 650i Coupe</b>	<b>BMW 650i xDrive Coupe</b>
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1369	4894 / 1894 / 1369
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	124	124
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	14.4	14.4
Engine oil <sup>1)</sup>	l	9.0	9.0
Weight, unladen, to DIN/EU	kg	1795 / 1870	1855 / 1930
Max load to DIN	kg	460	460
Max permissible weight	kg	2310	2365
Max axle load, front/rear	kg	1165 / 1225	1210 / 1240
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	ltr	460	460
Air resistance	c <sub>d</sub> x A	0.30 x 2.23	0.30 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		V / 8 / 4	V / 8 / 4
Engine technology		BMW TwinPower Turbo technology with two turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	4395	4395
Stroke/bore	mm	88.3 / 89.0	88.3 / 89.0
Compression ratio	:1	10.0	10.0
Fuel		min RON 91	min RON 91
Max output	kW/hp	330 / 450	330 / 450
at	rpm	5500 – 6000	5500 – 6000
Max torque	Nm	650	650
at	rpm	2000 – 4500	2000 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	105 / luggage comp	105 / luggage comp
Alternator	A/W	210 / 2940	210 / 2940
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 650i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 650i xDrive); optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		245/45 R18 96Y RSC	245/45 R18 96Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy

		<b>BMW 650i Coupe</b>	<b>BMW 650i xDrive Coupe</b>
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.317	3.317
Final drive	:1	2.813	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	5.4	5.6
Output per litre	kW/l	75.1	75.1
Acceleration	0–100 km/h s	4.6	4.4
	0–1000 m s	22.6	22.7
In 5th gear	80–120 km/h s	–	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 650i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, flowrate-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 18, tyres 245/45 R18			
Urban	l/100 km	11.9	12.7
Extra-urban	l/100 km	6.6	7.0
Combined	l/100 km	8.6	9.1
CO <sub>2</sub>	g/km	199	213
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	12.3	13.0
Extra-urban	l/100 km	6.8	7.1
Combined	l/100 km	8.8	9.3
CO <sub>2</sub>	g/km	206	217
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 640d Coupe, BMW 640d xDrive Coupe.

		<b>BMW 640d Coupe</b>	<b>BMW 640d xDrive Coupe</b>
<b>Body</b>			
No of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4894 / 1894 / 1369	4894 / 1894 / 1369
Wheelbase	mm	2855	2855
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	124	124
Turning circle	m	11.7	11.7
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	8.0	8.0
Engine oil <sup>1)</sup>	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1740 / 1815	1795 / 1870
Max load to DIN	kg	460	460
Max permissible weight	kg	2255	2315
Max axle load, front/rear	kg	1100 / 1205	1155 / 1225
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	L	460	460
Air resistance	c <sub>d</sub> x A	0.28 x 2.23	0.28 x 2.23
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high-pressure and variable-geometry turbocharger, common rail direct injection with piezo injectors (max injection pressure: 2000 bar)	
Effective capacity	cm <sup>3</sup>	2993	2993
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	230 / 313	230 / 313
at	rpm	4400	4400
Max torque	Nm	630	630
at	rpm	1500 – 2500	1500 – 2500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	AW	180 / 2520	180 / 2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640d), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640d xDrive); optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC	225/55 R17 97Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMW 640d Coupe	BMW 640d xDrive Coupe
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.317	3.317
Final drive	:1	2.813	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.6	7.8
Output per litre	kW/l	76.8	76.8
Acceleration	0–100 km/h	s	5.3
	0–1000 m	s	24.6
In 5th gear	80–120 km/h	s	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640d), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance, BMW BluePerformance technology		
<b>Fuel consumption EU <sup>2)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	6.0	6.4
Extra-urban	l/100 km	4.8	5.0
Combined	l/100 km	5.2	5.5
CO <sub>2</sub>	g/km	139	146
With rims 8J x 18 und Reifen 245/45 R18 bzw. mit Winterbereifung (optional 2SR, 9WR, 931)			
städtisch	l/100 km	6.2	6.5
außerstädtisch	l/100 km	4.9	5.1
insgesamt	l/100 km	5.4	5.6
CO <sub>2</sub>	g/km	143	149
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	6.3	6.7
Extra-urban	l/100 km	5.1	5.3
Combined	l/100 km	5.5	5.8
CO <sub>2</sub>	g/km	147	154
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

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

# BMW 640i Gran Coupe, BMW 640i xDrive Gran Coupe.

		<b>BMW 640i Gran Coupe</b>	<b>BMW 640i xDrive Gran Coupe</b>
<b>Body</b>			
No of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	5007 / 1894 / 1392	5007 / 1894 / 1392
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	126	126
Turning circle	m	11.95	11.95
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	10.0	9.9
Engine oil <sup>1)</sup>	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1750 / 1825	1825 / 1900
Max load to DIN	kg	570	570
Max permissible weight	kg	2360	2430
Max axle load, front/rear	kg	1130 / 1295	1180 / 1300
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	l	460 – 1265	460 – 1265
Air resistance	c <sub>d</sub> x A	0.28 x 2.24	0.29 x 2.24
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology with TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	2979	2979
Stroke/bore	mm	89.6 / 84.0	89.6 / 84.0
Compression ratio	:1	10.2	10.2
Fuel		min RON 91	min RON 91
Max output	kW/hp	235 / 320	235 / 320
at	rpm	5800 – 6000	5800 – 6000
Max torque	Nm	450	450
at	rpm	1300 – 4500	1300 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640i xDrive); optional: Dynamic Damper Control <sup>2)</sup> , Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC (245/45 R 18 96Y RSC <sup>2)</sup> )	225/55 R17 97Y RSC (245/45 R 18 96Y RSC <sup>2)</sup> )
Rims, front/rear		8J x 17 light-alloy (8J x 18 light-alloy <sup>2)</sup> ) 8J x 17 light-alloy (8J x 18 light-alloy <sup>2)</sup> )	

		<b>BMW 640i Gran Coupe</b>	<b>BMW 640i xDrive Gran Coupe</b>
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
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
	VIII	:1	0.667
	R	:1	3.295
Final drive		:1	3.231
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.4	7.8
Output per litre	kW/l	78.9	78.9
Acceleration	0–100 km/h	s	5.4
	0–1000 m	s	25.0
In 5th gear	80–120 km/h	s	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>3)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	10.4	11.0
Extra-urban	l/100 km	5.8	6.1
Combined	l/100 km	7.5	7.9
CO <sub>2</sub>	g/km	174	184
With rims 8J x 18 and tyres 245/45 R18 <sup>2)</sup> or winter tyres (optional 2SR, 9WR, 931)			
Urban	l/100 km	10.7	11.3
Extra-urban	l/100 km	5.8	6.2
Combined	l/100 km	7.6	8.1
CO <sub>2</sub>	g/km	178	188
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	10.9	11.5
Extra-urban	l/100 km	6.0	6.3
Combined	l/100 km	7.8	8.2
CO <sub>2</sub>	g/km	182	192
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

<sup>2)</sup> Standard in Germany

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 650i Gran Coupe, BMW 650i xDrive Gran Coupe.

		<b>BMW 650i Gran Coupe</b>	<b>BMW 650i xDrive Gran Coupe</b>
<b>Body</b>			
No of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	5007 / 1894 / 1392	5007 / 1894 / 1392
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	126	126
Turning circle	m	11.95	11.95
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	ltr	14.4	14.4
Engine oil <sup>1)</sup>	ltr	8.0	8.0
Weight, unladen, to DIN/EU	kg	1865 / 1940	1940 / 2015
Max load to DIN	kg	570	570
Max permissible weight	kg	2465	2550
Max axle load, front/rear	kg	1210 / 1315	1260 / 1340
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	ltr	460 – 1265	460 – 1265
Air resistance	c <sub>d</sub> x A	0.29 x 2.24	0.31 x 2.24
<b>Power Unit</b>			
Config/No of cyls/valves		V / 8 / 4	V / 8 / 4
Engine technology		BMW TwinPower Turbo technology with two turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	4395	4395
Stroke/bore	mm	88.3 / 89.0	88.3 / 89.0
Compression ratio	:1	10.0	10.0
Fuel		min RON 91	min RON 91
Max output	kW/hp	330 / 450	330 / 450
at	rpm	5500 – 6000	5500 – 6000
Max torque	Nm	650	650
at	rpm	2000 – 4500	2000 – 4500
<b>Electrical System</b>			
Battery / installation	Ah/-	105 / luggage comp	105 / luggage comp
Alternator	A/W	210 / 2940	210 / 2940
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 650i), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 650i xDrive); optional: Dynamic Damper Control <sup>2)</sup> , Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		245/45 R18 96Y RSC	245/45 R18 96Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy

		<b>BMW 650i Gran Coupe</b>	<b>BMW 650i xDrive Gran Coupe</b>
<b>Transmission</b>			
Type of transmission	8-speed Steptronic sport transmission		
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.317	3.317
Final drive	:1	2.813	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	5.7	5.9
Output per litre	kW/ltr	75.1	75.1
Acceleration	0–100 km/h s	4.6	4.4
	0–1000 m s	22.8	22.9
In 5th gear	80–120 km/h s	–	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 650i), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, flowrate-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
<b>Fuel consumption EU <sup>3)</sup></b>			
With standard tyres: rims 8J x 18, tyres 245/45 R18			
Urban	l/100 km	11.9	12.9
Extra-urban	l/100 km	6.6	7.1
Combined	l/100 km	8.6	9.2
CO <sub>2</sub>	g/km	199	215
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	12.3	13.1
Extra-urban	l/100 km	6.8	7.2
Combined	l/100 km	8.8	9.4
CO <sub>2</sub>	g/km	206	219
Emission rating		EU6	EU6

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

<sup>1)</sup> Oil change

<sup>2)</sup> Standard in Germany

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

# BMW 640d Gran Coupe, BMW 640d xDrive Gran Coupe.

		BMW 640d Gran Coupe	BMW 640d xDrive Gran Coupe
<b>Body</b>			
No of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	5007 / 1894 / 1392	5007 / 1894 / 1392
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1665	1600 / 1665
Ground clearance	mm	126	126
Turning circle	m	11.95	11.95
Fuel tank capacity	approx. ltr	70	70
Cooling system incl heater	l	8.0	8.0
Engine oil <sup>1)</sup>	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1810 / 1885	1870 / 1945
Max load to DIN	kg	570	570
Max permissible weight	kg	2410	2470
Max axle load, front/rear	kg	1140 / 1320	1210 / 1315
Max trailer load, braked (12%/unbraked)	kg	- / -	- / -
Max roofload/max towbar download	kg	75 / -	75 / -
Luggage comp capacity	l	460 – 1265	460 – 1265
Air resistance	c <sub>d</sub> x A	0.28 x 2.24	0.29 x 2.24
<b>Power Unit</b>			
Config/No of cyls/valves		In-line / 6 / 4	In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high-pressure and variable-geometry turbocharger, common rail direct injection with piezo injectors (max injection pressure: 2000 bar)	
Effective capacity	cm <sup>3</sup>	2993	2993
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	230 / 313	230 / 313
at	rpm	4400	4400
Max torque	Nm	630	630
at	rpm	1500 – 2500	1500 – 2500
<b>Electrical System</b>			
Battery / installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function (BMW 640d), anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Driving stability systems		standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM, BMW 640d xDrive); optional: Dynamic Damper Control <sup>2)</sup> , Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seat rows, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash-activated headrests, crash sensors, Tyre Pressure Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	Hydraulic rack-and-pinion steering with Servotronic
Steering ratio, overall	:1	17.2	18.7
Tyres, front/rear		225/55 R17 97Y RSC (245/45 R 18 96Y RSC <sup>2)</sup> )	225/55 R17 97Y RSC (245/45 R 18 96Y RSC <sup>2)</sup> )
Rims, front/rear		8J x 17 light-alloy (8Jx 18 light-alloy <sup>2)</sup> )	8J x 17 light-alloy (8Jx 18 light-alloy <sup>2)</sup> )

		BMW 640d Gran Coupe	BMW 640d xDrive Gran Coupe
<b>Transmission</b>			
Type of transmission		8-speed Steptronic sport transmission	
Gear ratios	I :1	4.714	4.714
	II :1	3.143	3.143
	III :1	2.106	2.106
	IV :1	1.667	1.667
	V :1	1.285	1.285
	VI :1	1.000	1.000
	VII :1	0.839	0.839
	VIII :1	0.667	0.667
	R :1	3.317	3.317
Final drive	:1	2.813	2.813
<b>Performance</b>			
Power-to-weight ratio	kg/kW	7.9	8.1
Output per litre	kW/ltr	76.8	76.8
Acceleration	0–100 km/h s	5.4	5.2
	0–1000 m s	24.7	24.6
In 5th gear	80–120 km/h s	–	–
Top speed	km/h	250	250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (BMW 640d), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function, air flap control, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance, BMW BluePerformance technology		
<b>Fuel consumption EU <sup>3)</sup></b>			
With standard tyres: rims 8J x 17, tyres 225/55 R17			
Urban	l/100 km	6.2	6.5
Extra-urban	l/100 km	4.9	5.1
Combined	l/100 km	5.4	5.6
CO <sub>2</sub>	g/km	143	149
With rims 8J x 18 and tyres 245/45 R18 <sup>2)</sup> or winter tyres (optional 2SR, 9WR, 931)			
Urban	l/100 km	6.4	6.7
Extra-urban	l/100 km	5.0	5.3
Combined	l/100 km	5.5	5.8
CO <sub>2</sub>	g/km	147	153
With rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/45 R18 rear (optional 2DN), With rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear (optional 2FB, 2DP), With rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear (optional 2H9)			
Urban	l/100 km	6.6	6.8
Extra-urban	l/100 km	5.2	5.5
Combined	l/100 km	5.7	6.0
CO <sub>2</sub>	g/km	152	158
Emission rating		EU6	EU6

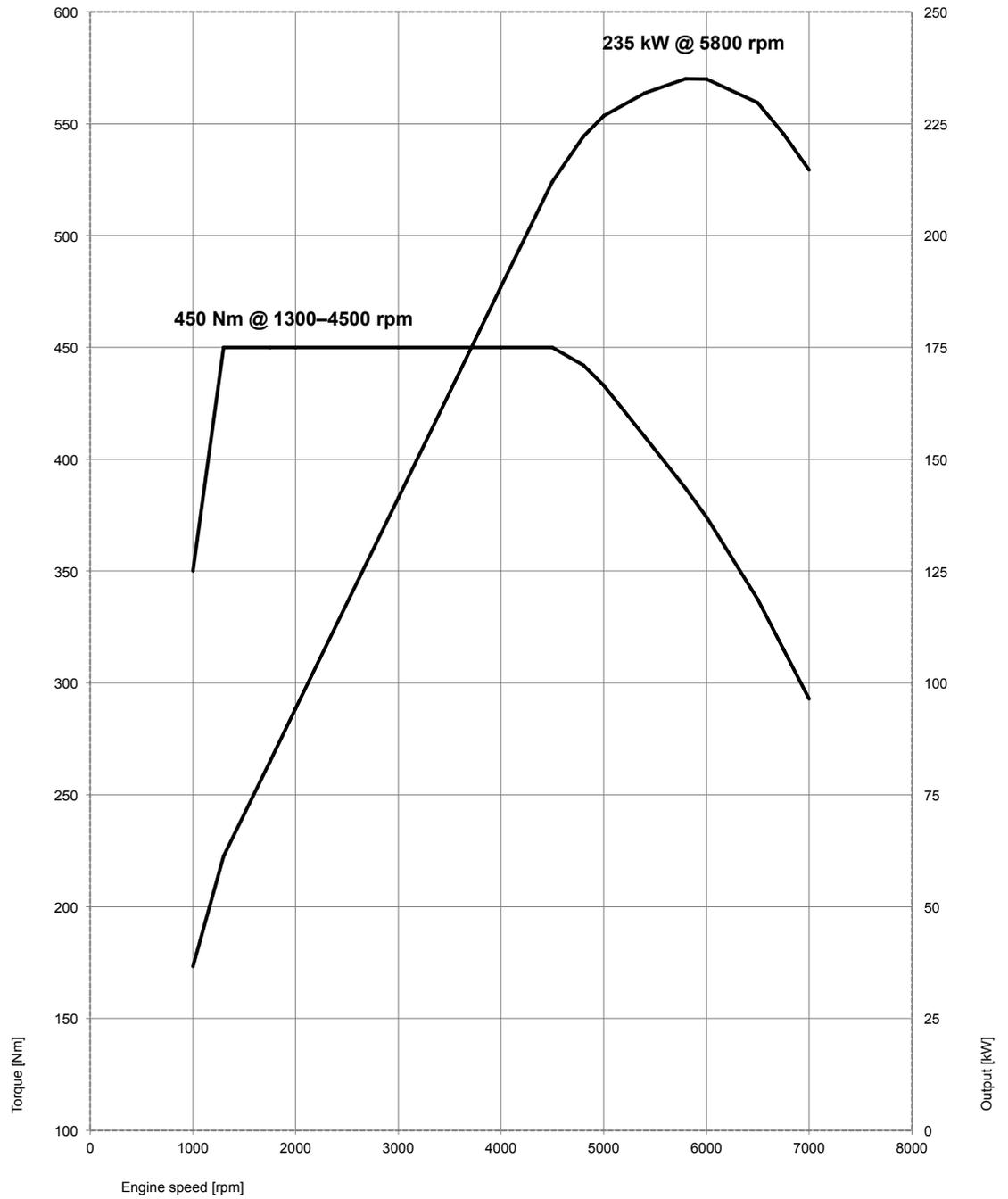
Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)

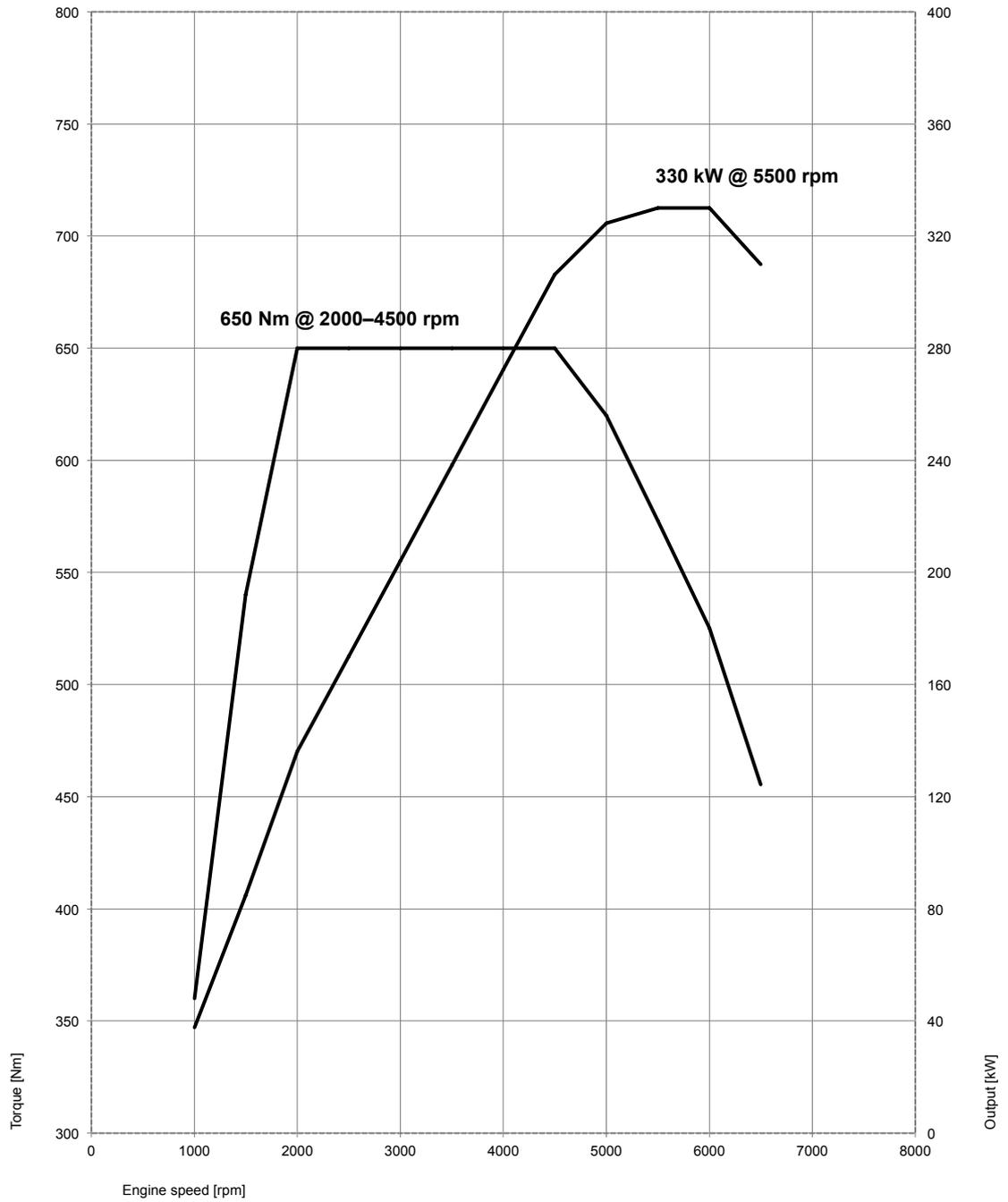
<sup>1)</sup> Oil change

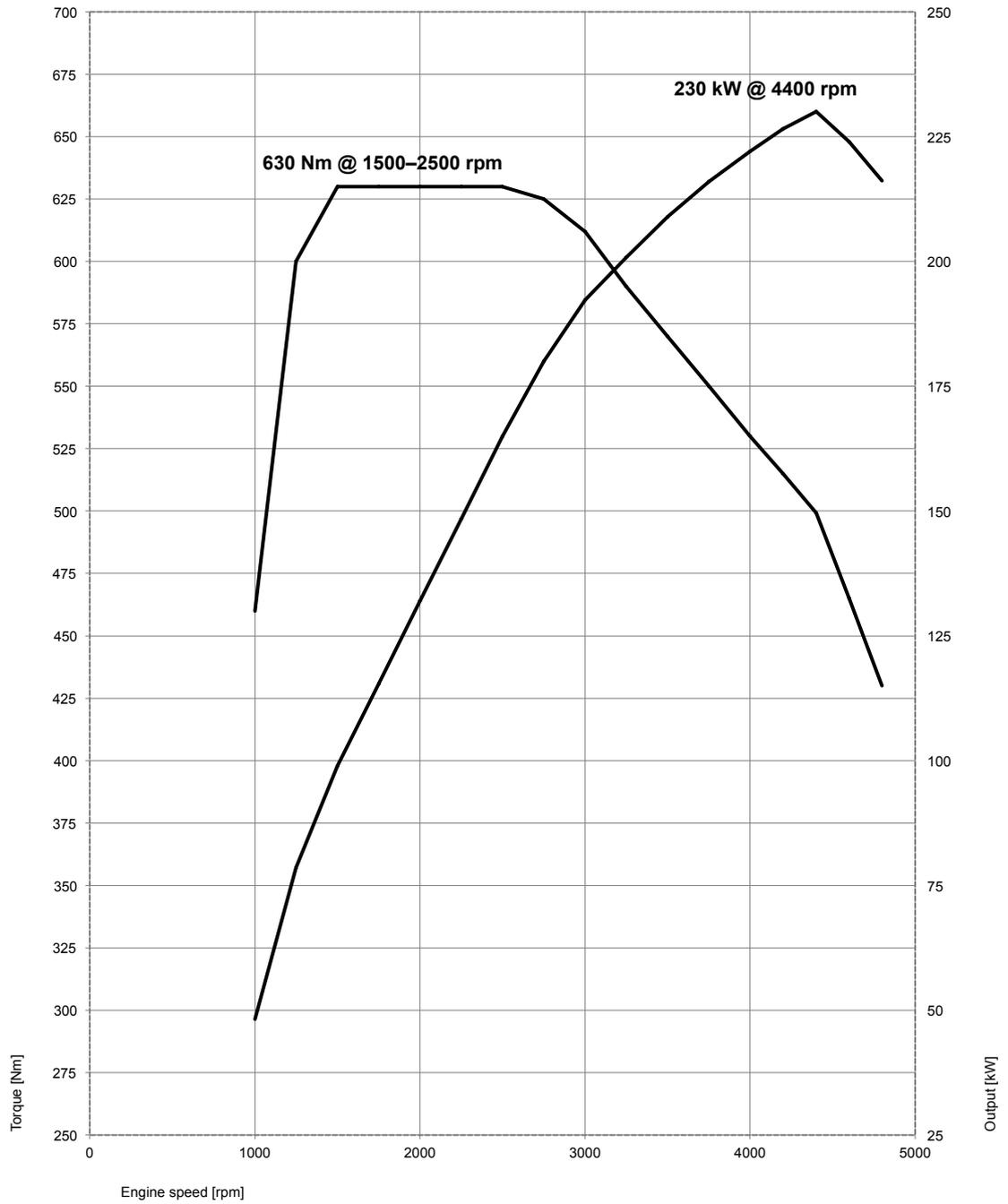
<sup>2)</sup> Standard in Germany

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

## 8. Output and torque diagrams. BMW 640i.

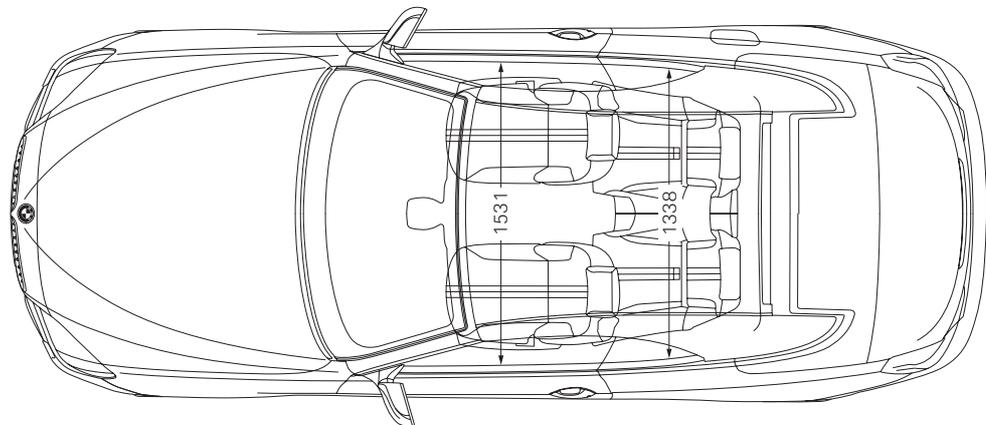
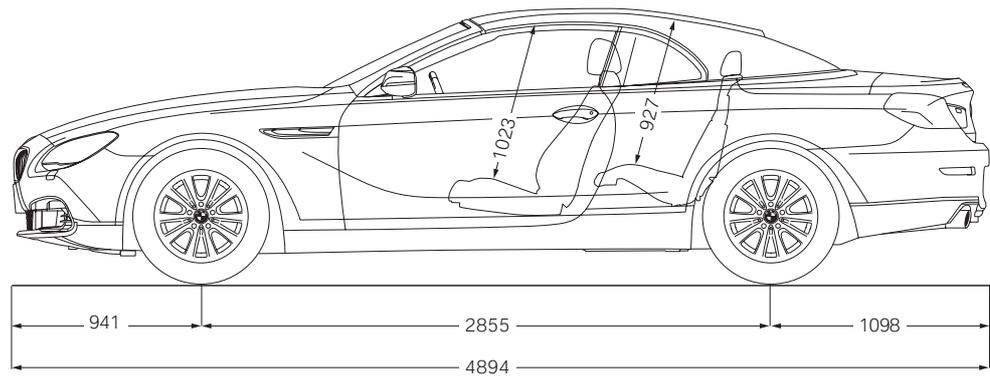
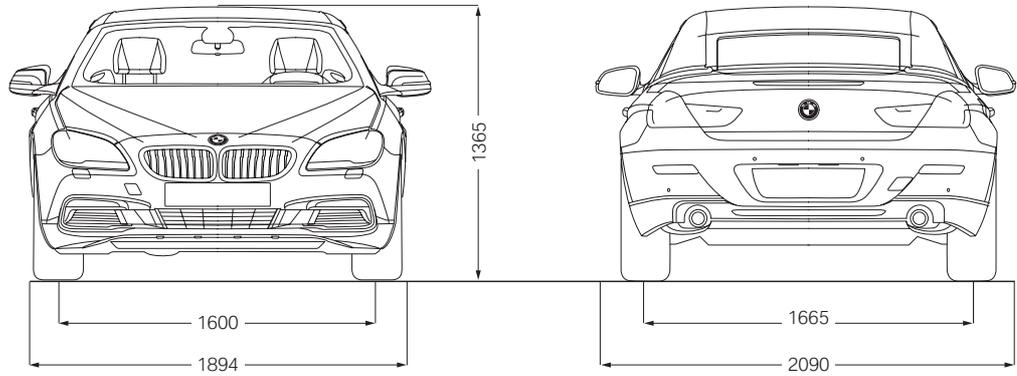




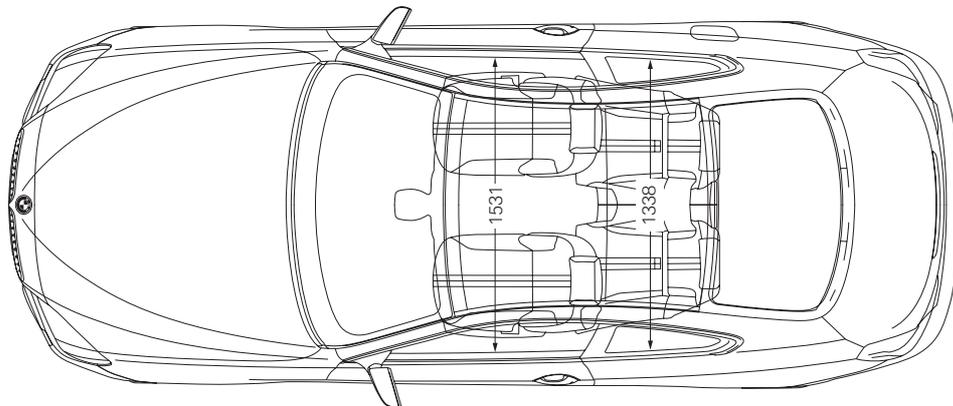
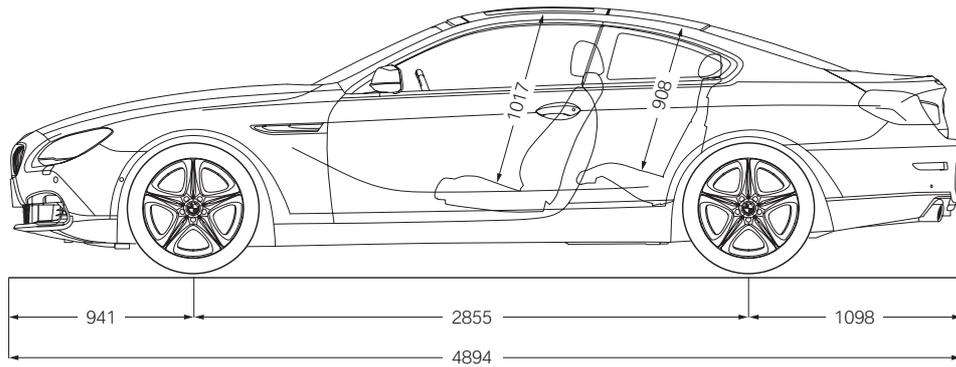
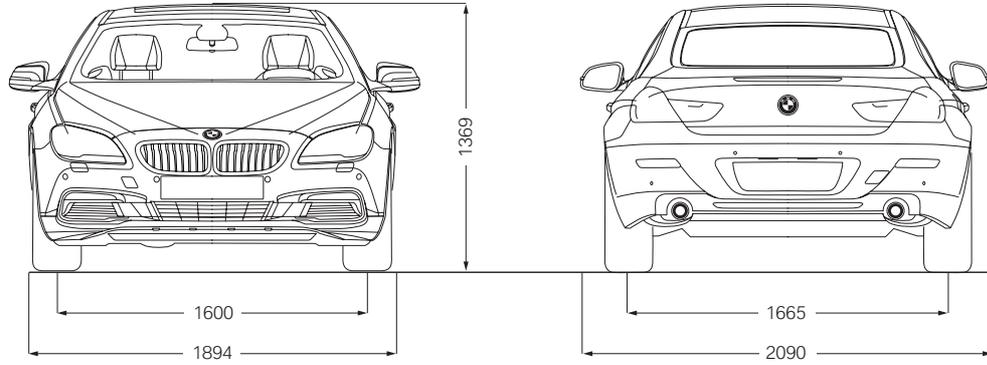


# 9. Exterior and interior dimensions.

## The new BMW 6 Series Convertible.



# The new BMW 6 Series Coupe.



# The new BMW 6 Series Gran Coupe.

