

The new BMW 6 Series Coupe.

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1. Inspired by a passion for aesthetics and dynamics. The new BMW 6 Series Coupe.

The hearts of sports car aficionados with an eye for luxury and innovative technology will beat a little faster at the sight of the new BMW 6 Series Coupe. With the third generation of this top-class coupe, premium carmaker BMW adds another chapter to its decade-long tradition in the production of exclusive dream cars. The new BMW 6 Series Coupe impresses with its irresistible design and inspires with even sharper driving dynamics than its predecessor, noticeably optimised by virtue of its comfort features and added space. In its own attractive manner, it combines superior sportiness with exclusive touring comfort and 460 litres of luggage space.

BMW TwinPower Turbo technology provides for both sporty power development and exceptional efficiency of the engines available at market introduction. The high-performance V8 power unit in the BMW 650i Coupe produces 300 kW/407 hp. The six-cylinder in-line petrol engine in the BMW 640i Coupe develops 235 kW/320 hp. The BMW 640d Coupe is powered by a new six-cylinder in-line diesel engine delivering 230 kW/313 hp. All of these engines are combined with an eight-speed Sport automatic transmission as standard equipment. Also part of the standard equipment is an extensive range of BMW EfficientDynamics measures, including the Auto Start-Stop function and ECO PRO mode (in the BMW 640i Coupe and BMW 640d Coupe). For the first time in the BMW 6 Series, the BMW 650i Coupe can also be equipped with BMW xDrive, the intelligent four-wheel drive system.

The new BMW 6 Series Coupe strikes an ideal balance between dynamic handling and ride comfort thanks to its newly developed chassis. Its standard Electric Power Steering is as unique in this segment, as is the optional Integral Active Steering. Optional features include Dynamic Damper Control and the Adaptive Drive system, complete with roll stabilisation. Driving Experience Control for individual vehicle tuning is included as standard equipment.

Adaptive LED Headlights are offered as an option for the new BMW 6 Series Coupe. Unique in this segment are the driver assistance

systems and the mobility services associated with BMW ConnectedDrive. They include the new generation of BMW Head-Up Displays which present comprehensive, full colour spectrum graphics. The Control Display for the standard BMW iDrive control system is implemented as a free standing, fixed position flatscreen. The optional Bang & Olufsen high-end surround sound system produces exceptionally pleasurable tone quality.

The design: commanding presence and athletic elegance.

Its unmistakable design language gives the new BMW 6 Series Coupe an aura of athletic elegance. The characteristic proportions of a BMW coupe are evident from the long, sweeping bonnet, short front overhang, the set-back passenger compartment and the elegantly flowing transition from roof to boot lid. In comparison to its predecessor, it exhibits a 74 mm increase in body length (at 4,894 mm overall length) and a 75 mm longer wheelbase (2,855 mm wheelbase length). The car's width has grown by 39 mm and height decreased by 5 mm to achieve a powerful, sporty stance. The car's dynamic and sovereign handling behaviour is evident at first glance. In the same way water is parted by an object in flowing water, the car's lines flow from both sides of the BMW emblem on the bonnet to the sides of its body.

The expressive front end is dominated by the large, slightly forward-slanted, BMW kidney grille. The bonnet's contours flow to the front toward the kidney grille. The V shape thus created is set forth by the contours of the headlights, kidney and the wide air intake such that a road-focused appearance is achieved.

High-visibility innovation: Adaptive LED Headlights.

The new BMW 6 Series Coupe is equipped with bi-xenon headlights as standard. An accentuating trim element cuts across the top of the twin round headlights. This creates the characteristic concentrated look, which, in combination with the optional Adaptive LED Headlights, represents a fresh take on this established feature. The Adaptive LED Headlights have three-dimensional LED light rings that function as parking lights and daytime running lights. These are levelled off in the lower and upper areas and overlapped at their top edge by an accent light – also featuring LEDs. Both low-beam and high-beam headlight illumination is produced by LED units

located along a horizontal rib in the centre of the light rings. The direction indicators are also implemented with LED technology.

Control of the Adaptive LED Headlights is also effectuated according to the car's speed, steering angle and yaw rate. An additional LED light source positioned separately in the headlight housing generates the cornering light.

Side view: elegant roofline, powerfully curved surfaces.

Tightly curved surfaces and characteristic lines extending over the full length of the body define the side view of the new BMW 6 Series Coupe. The bonnet's contour lines continue through to the rear to create a harmonious overall impression. In combination with the coupe's proportions, this produces a particularly elegant, elongated silhouette.

The typical BMW swage line extends from just behind the front wheel arch, embraces the sporty gill element then flows dynamically to the rear end. Door handles are positioned precisely on the swage line. Another characteristic line emerges from the swell of the front wheel arch, initially dropping down then levelling out for projection to the rear end. When viewed from the side, the curved roofline appears very narrow such that a contrast, typical of BMW coupes, is created between the powerful body and the light passenger compartment.

Rear view: striking indications of sporty, stable roadholding.

From the rear, the new BMW 6 Series Coupe exudes power, athleticism and solidity. Bulging wheel arches, horizontal lines and a shape that broadens downward all combine to accentuate the car's wide track. The slightly concave lower section of the boot lid generates light and shade effects, which lend an extra lightness to the rear of the car. The edges of the boot lid and the licence plate surround create a V shape, which – similarly to the front of the car – steers the eye toward the road.

The rear lights exhibit a particularly wide rendition of the customary BMW L shape that extends far into the boot lid. Inside the rear light clusters, two LED-powered light strips generate the familiar BMW night-time look. Even the direction indicators and brake lights are LED-powered.

Interior: driver-oriented cockpit, exclusive ambience.

The interior's appointments are defined by the familiar BMW driver-oriented cockpit and a forward-surging style symbolic of the vehicle's dynamics. The centre section of the instrument panel slopes slightly toward the driver. The gearshift lever is located on a surface open toward the driver but recessed with respect to the front passenger side. The gently banked curve of the centre console is perpetuated in the decorative surface of the instrument panel to produce an exclusive accent for the front-passenger side.

The rear seats also provide passengers with a pleasant level of touring comfort, thanks to their individual-seat character and greater shoulder and elbowroom than the outgoing model. With a 460-litre capacity, luggage space in the new BMW 6 Series Coupe is very generous, for example, enough for three 46-inch golf bags or two medium-sized hard-shell cases plus a flight case.

Optimised display, exclusive appeal: instruments in black-panel technology, control display with flat-screen design.

The instrument cluster in black-panel technology combines state-of-the-art display technology with classic sports-car circular instruments. A high-resolution 9.2-inch information screen displays the mileage counter, fuel consumption and the Efficient Dynamics indicator, as well as feedback from the driver assistance systems and check-control messages.

The standard iDrive control system includes a newly styled on-board monitor with an exclusive flat-screen design. The freestanding Control Display is located prominently within the instrument panel and has an optimal size. However, when the new BMW 6 Series Coupe is combined with the navigation system Professional option, the onboard monitor is upgraded to a 10.2-inch version – the largest on-board monitor in the segment – and it features a high-class electroplated chrome surround.

Outstanding seat comfort, comprehensive safety equipment, torsionally rigid body.

The lightweight seats with integrated belt system developed for the new BMW 6 Series are offered in three variants. The standard variant for driver and front passenger seats includes a seat heater, an easy-entry function, an electrically driven seat adjustment for seat height and fore/aft positioning as

well as for backrest angle and head restraint height – along with a memory function for these adjustments. Sport seats, comfort seats and active seat ventilation are available options. Exclusive Nappa leather with extended features is offered as an alternative to the standard Dakota leather upholstery. Plus, comfort seats can also be specified with the active seat function.

All seat variants include crash-activated head restraints. Other standard safety equipment includes: front airbags, seat frame integrated side airbags, side curtain head airbags for both seat rows, three-point inertia-reel seatbelts on all seats, belt force limiters and belt tensioners for front seats as well as ISOFIX child seat fasteners in the rear.

The new BMW 6 Series Coupe has robust load bearing structures, precisely defined deformation zones and an extremely rigid passenger safety cell. Both the body's strength as well as its weight have been optimised through deliberate advanced development. The doors, bonnet and front axle spring mounts are aluminium, the front side panels are made of plastic and the boot lid is made of glass fibre composite material.

Top-class performance from eight or six cylinders:

BMW TwinPower Turbo technology in the new BMW 6 Series Coupe.

The eight-cylinder power unit in the new BMW 650i Coupe produces a maximum output of 300 kW/407 hp from its 4.4-litre displacement; this output is reached in the range between 5,500 and 6,400 rpm. This unique engine, whose turbochargers are positioned in the V-shaped area between the cylinder banks, entices with its rapidly developed, long sustained wave of power. Peak torque of 600 Newton metres is delivered in the range between 1,750 and 4,500 rpm. The sporting performance characteristic of the V8 engine enables the BMW 650i Coupe to accelerate from 0 to 100 km/h (62 mph) in 4.9 seconds. Top speed is limited to 250 km/h (155 mph) by the engine's electronics. This top model's efficiency is extraordinary for its performance class, it recorded average fuel consumption of 10.5 to 10.6 litres per 100 kilometres along with a CO₂ emissions rate of 245 to 246 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

The new BMW 640i Coupe is powered by a six-cylinder in-line engine in which the BMW TwinPower Turbo technology not only charges according to the Twin-Scroll principle to provide high precision direct injection but also

includes fully variable VALVETRONIC valve control. This combination optimises the response behaviour and efficiency of this 3.0-litre engine which develops its peak output of 235 kW/320 hp at 5,800 to 6,000 rpm and reaches its maximum torque of 450 Newton metres between 1,300 and 4,500 rpm. The BMW 640i Coupe completes the sprint to 100 km/h (62 mph) in 5.4 seconds, its top speed is electronically limited to 250 km/h (155 mph). Average fuel consumption is 7.6 to 7.8 litres per 100 kilometres, the CO₂ rating is 177 to 181 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

A six-cylinder in-line diesel engine of the latest generation makes its debut in the new BMW 640d Coupe. This 3.0-litre engine reaches its maximum output of 230 kW/313 hp at 4,400 rpm and makes its maximum torque of 630 Newton metres available in the range between 1,500 and 2,500 rpm. Thus it replaces its predecessor at the top of the podium for the world's sportiest six-cylinder diesel power unit. Its BMW TwinPower Turbo technology includes a modified stage charger operating on the variable Twin Turbo principle, common rail injection and magnetic valve injectors. The BMW 640d Coupe accelerates to 100 km/h in 5.5 seconds and has an electronically limited top speed of 250 km/h. Its average fuel consumption is a modest 5.4 to 5.5 litres per 100 kilometres, its CO₂ rating is 143 to 145 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

**Standard: eight-speed Sport automatic transmission,
BMW 640i Coupe and BMW 640d Coupe with
Auto Start-Stop function.**

The standard form of power transfer for all model variants is an eight-speed Sport automatic transmission. This standard transmission promotes sporty driving capability with exceptionally rapid gear changes, it offers outstanding shift comfort and also optimises efficiency. The driver can use shift paddles mounted on the steering wheel to change gears manually.

Extensive BMW EfficientDynamics technology contributes significantly to the reduction of fuel consumption and emissions. Among the systems included as standard equipment are Brake Energy Regeneration, Electric Power Steering, on-demand operation of ancillary components, intelligent lightweight construction and tyres with a low rolling resistance. Both six-cylinder models

are also equipped with automatic air flap control and an Auto Start-Stop function. Driving Experience Control allows the driver of a BMW 640i Coupe to select between the "SPORT", "SPORT+", "COMFORT" modes as well as the ECO PRO mode. The ECO PRO mode promotes a distinctly relaxed and frugal driving style at low engine speeds.

Premiere for intelligent four-wheel drive in the BMW 6 Series.

As an alternative to standard rear-wheel drive, the optional xDrive BMW four-wheel drive system is available to owners of the top model BMW 650i Coupe. For the first time in the BMW 6 Series, intelligent four-wheel drive ensures superior traction, maximum safety, unsurpassed handling and optimal application of power. The BMW 650i xDrive Coupe is equipped with the most recent design of the electronically controlled four-wheel drive system. Its dynamically optimised control over the variable distribution of power is a particular plus for precise entry into bends. The BMW 650i xDrive Coupe sprints from 0 to 100 km/h in 4.8 seconds. Its average fuel consumption is 11.3 litres per 100 kilometres and its CO₂ rating is 262 to 263 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

Advanced suspension technology, Adaptive Drive as an option.

The characteristic driving experience in the new BMW 6 Series Coupe is defined by sporty handling characteristics. At the same time, modern suspension technology provides optimised ride comfort. The double wishbone front axle and integral rear axle are primarily made up of aluminium components.

Dynamic Damper Control and the Adaptive Drive system are offered as options, which also include Dynamic Drive active roll stabilisation. The electronically controlled dampers adapt to both the nature of the road surface and the driver's style. Roll stabilisation reduces the effects of vehicle body roll when driving through bends at high speeds and during sudden swerving manoeuvres.

Unmatched in the segment: Electric Power Steering as standard, Integral Active Steering optional.

In customary BMW tradition for precision, comfort and efficiency, the BMW 6 Series Coupe combines a unique electromechanical steering system with Servotronic function for speed-sensitive steering-power assistance.

Beyond this, the new BMW 6 Series Coupe is the first car in its class to be offered with an option for Integral Active Steering. It combines Active Steering for the front wheels with a steerable rear axle.

Standard: Driving Experience Control for individual vehicle tuning.

Driving Experience Control is standard equipment which permits sportiness and comfort to be varied according to the situation. The driver can select between the "COMFORT", "SPORT" and "SPORT+" vehicle tuning modes. In the BMW 640i Coupe and BMW 640d Coupe, an ECO PRO mode is also selectable. If the Dynamic Damper Control or Adaptive Drive options are present, an additional "COMFORT+" mode is also available.

The lightweight, floating-calliper brakes with inner-vented discs are easy to use with precision. Their effectiveness is reinforced by Dynamic Stability Control (DSC). Standard equipment includes 18-inch light-alloy wheels (BMW 650i) or 17-inch wheels (BMW 640i, BMW 640d) as well as runflat tyres and a tyre defect indicator. Optionally available are light-alloy rims in sizes 19 and 20 inch with mixed tyre sizes.

Only from BMW ConnectedDrive: BMW Head-Up Display with a full spectrum of colours.

Among the BMW ConnectedDrive options largely unmatched in this vehicle class are: active cruise control with Stop & Go function, lane change warning, lane departure warning, speed limit info, BMW night vision with pedestrian recognition, a rear-view camera, surround view and the BMW Parking Assistant. Innovative technologies optimise the integration of smart phones as well as music players, including the use of Internet based services. The Apps option allows Apple iPhone owners to receive web-radio stations, display Facebook and Twitter posts on the onboard monitor and to operate the iDrive controller. Another new function, Real-Time Traffic Information, supplies the driver with particularly precise traffic advisories and detour recommendations.

The BMW Head-Up Display option – which projects driving-relevant information onto the windscreen – remains the only system of its kind in the segment. And the latest generation of this BMW innovation is available in the new BMW 6 Series Coupe. Its display of graphics and symbols employs a full

spectrum of colours such that, for example, the presentation of road sign symbols can be illustrated very realistically.

Top-class comfort features: Bang & Olufsen high-end surround sound system delivers an unparalleled audio experience.

Standard comfort features for the new BMW 6 Series Coupe include 2-zone climate control, a multifunction steering wheel, electric steering column adjustment, electrically adjustable and heated exterior mirrors, cruise control with braking function, a rain sensor with automatic driving lights control and a HiFi audio system. Individual preferences for the entertainment programme can be realised with a DVD changer, a TV module and a USB audio interface.

When it comes to delivering audio pleasure of the highest order, the Bang & Olufsen high-end surround sound system, designed especially for the new BMW 6 Series Coupe, hits all the right notes. It is a fully active system featuring digital signal processing which means the two bass speakers, seven mid-range speakers and seven tweeters all have individual amplifiers. Its centre speaker is designed with the Acoustic Lens Technology developed by Bang & Olufsen. As soon as the audio system is activated, the centre element with its integrated mid-range speaker rises out of the instrument panel to expose its tweeter lens.

Diverse options for even more driving pleasure: panoramic sunroof, navigation system Professional, M Sport Package.

Included among other equipment highlights are Adaptive Headlights, heated steering wheel, Comfort Access and the electrically operated panoramic sunroof. The optional navigation system Professional includes a hard disk memory for map material and the music collection.

The M Sport Package is also available for the new BMW 6 Series Coupe at market launch. The full array of options BMW Individual has made available for the new BMW 6 Series Coupe provides ample opportunity to configure an elegant sports vehicle that expresses one's own personal style.

The BMW 6 Series Coupe: a premium sports car boasting outstanding dynamics and fascinating heritage.

Once again, the grand coupe with the BMW brand embodies the essence of dynamic capability and exclusive driving pleasure in a stylish and luxurious

two-door vehicle. The new BMW 6 Series Coupe represents the latest chapter in a story which now stretches back more than 70 years, a heritage enriched by legendary motor racing glories and numerous icons of automotive design.

The new BMW 6 Series Coupe is being built alongside the new BMW 6 Series Convertible at BMW's Dingolfing plant. This production plant, the largest in the BMW Group, also produces the BMW 7 Series and BMW 5 Series. Flexible and efficient manufacturing processes at this plant combine state-of-the-art production technology with a quality standard based on the highest precision craftsmanship to build exclusive premium vehicles.

2. At a glance.



- Captivating aesthetics, top-class performance, an exclusive interior and exceptionally innovative equipment features give the third-generation BMW 6 Series Coupe "dream car" its credentials.
- A vehicle concept unparalleled in the premium segment, combining the dynamics of a 2+2-seater sports car with outstanding touring comfort; body length and wheelbase 75 millimetres longer than its predecessor for enhanced seating comfort of rear passengers; emphasised sporty appearance due to a 39-millimetre increase in vehicle width and a 5-millimetre reduction in height.
- Market introduction with three engine variants: BMW 650i Coupe with eight-cylinder power unit (300 kW/407 hp), BMW 640i Coupe with a six-cylinder in-line petrol engine (235 kW/320 hp), BMW 640d Coupe with a six-cylinder in-line diesel engine (230 kW/313 hp).
- All engine variants combined with an eight-speed Sport automatic transmission as standard equipment; BMW EfficientDynamics measures that have no peer in the segment (including Auto Start-Stop function and ECO PRO mode for the BMW 640i Coupe and BMW 640d Coupe); optimised efficiency combined with a significant 30 kW, 35 kW and 20 kW power increase over predecessor models (BMW 650i, BMW 640i and BMW 640d, respectively).
- Premiere for BMW xDrive in the BMW 6 Series: BMW 650i xDrive Coupe with optimised traction characteristics and outstanding sporty handling thanks to intelligent all-wheel drive.
- Newly developed suspension; only car in the segment available with Electric Power Steering and optional Integral Active Steering; Driving Experience Control as standard equipment, Dynamic Damper Control and Adaptive Drive optional.
- First car in the segment with Adaptive LED Headlights for low and high beam, including cornering function, fog lamps and rear lights also implemented with LED technology.
- Standard BMW iDrive control system with free standing control display; unrivalled range of BMW ConnectedDrive features, including the latest generation of BMW Head-Up Display (with high-definition, full-colour-spectrum graphics); also available: Active Cruise Control with Stop & Go function, lane change warning, lane departure warning, rear-view camera, Surround View, Speed Limit Info, BMW Night Vision and Parking Assistant.
- Driving pleasure tailored to individual preferences by virtue of unique equipment options, including comfort and sports seats, active seats, seat ventilation, exclusive Nappa leather, ceramic applications, and a newly

developed, model-specific Bang & Olufsen high-end surround sound system.

- Model variants:

BMW 650i Coupe (BMW 650i xDrive Coupe): V8 petrol engine, BMW TwinPower Turbo technology with two turbochargers and high-precision direct injection, displacement: 4 395 cc, output: 300 kW/407 hp at 5,500 to 6,400 rpm, max. torque: 600 Nm at 1,750 to 4,500 rpm, acceleration [0 – 100 km/h]: 4.9 seconds (4.8 seconds), top speed: 250 km/h, average fuel consumption*: 10.5 – 10.6 litres (11.3 litres)/100 kilometres, CO₂ emissions*: 245 – 246 g/km (262 – 263 g/km), exhaust standard: EU5.

BMW 640i Coupe: six-cylinder in-line petrol engine, BMW TwinPower Turbo technology with twin-scroll turbochargers, high-precision direct injection and VALVETRONIC, displacement: 2,979 cc, output: 235 kW/320 hp at 5,800 to 6,000 rpm, max. torque: 450 Nm at 1,300 to 4,500 rpm, acceleration [0 – 100 km/h]: 5.4 seconds, top speed: 250 km/h, average fuel consumption*: 7.6 – 7.8 litres/100 kilometres, CO₂ emissions*: 177 – 181 g/km, exhaust standard: EU5.

BMW 640d Coupe: six-cylinder in-line diesel engine, BMW TwinPower Turbo technology with multi-stage turbocharger and Common Rail direct injection, displacement: 2,993 cc, output: 230 kW/313 hp at 4,400 rpm, max. torque: 630 Nm at 1,500 – 2,500 rpm, acceleration [0 – 100 km/h]: 5.5 seconds, top speed: 250 km/h, average fuel consumption*: 5.4 – 5.5 litres/100 kilometres, CO₂ emissions*: 143 – 145 g/km, exhaust standard: EU5.

* Values per EU test cycle, dependent on selected tyre format



3. The design: natural power creates perfect forms.

- **Elegantly elongated lines and powerful forms symbolise the urge to move forwards and flowing movements.**
- **The typical proportions of a BMW coupe, precise surface design inspired by the natural movements of waves in the water.**
- **Luxurious interior clearly arranged for driver orientation and an exclusive ambience on all seats.**

The new BMW 6 Series Coupe presents itself as an outstandingly sporting and exclusive 2+2 seater in the premium segment of the luxury class. With its inimitable design, this 2-door car has great athletic elegance. Its elongated lines, the typical proportions of a BMW coupe and a precise surface design symbolise an urge to move forward and flowing movements. The harmonious design creates the impression of a naturally evolving sporting character. This, combined with high-class, distinctive design features, highlights the premium character and elegant appearance of the new BMW 6 Series Coupe. The interior conveys exclusive comfort and provides the typical BMW driver orientation in the cockpit design. Its stylish functionality in a luxurious ambience is impressive.

A long bonnet, a short front overhang and an aft-set passenger compartment, a 74-mm longer body (4,894 millimetres) and a 75-mm longer wheelbase (2,855 millimetres) than on the predecessor model lend the car typical BMW coupe proportions. The increase in width by 39 millimetres to 1,894 millimetres results from the widened track and gives the car an extraordinarily powerful appearance, emphasising the car's stable roadholding qualities. The reduction in height by 5 millimetres to 1,369 millimetres lends the car a strikingly flat and powerful appearance. The vehicle's dynamic urge to move forward and its supreme handling characteristics are evident at first glance.

The authentic translation of the car's character in its design gains a special appeal from the lines flowing along the entire length of the car and its harmoniously sculpted surfaces. Natural waves were the source of inspiration for the design. The contour lines on the bonnet projecting outwards from the

BMW emblem to both sides of the body take their cue from the movement of waves sent out by a body standing in flowing water.

Front end of the car: an urge to move forward with a focus on the road.

The large, slightly forward-slanting BMW kidney grille dominates the expressive front end. The design of the kidney is broad and flat; it represents a visual link to the engine located behind it. On the BMW 650i Coupe, its bars are completely chrome-plated; on the six-cylinder models they are black on the inside. The grille bars, which are slightly slanted in the upper section, additionally emphasise the shark-nose character.

The heavily slanted A-pillars make the passenger compartment appear especially flat. Contour lines on the bonnet flow forwards towards the kidney grille, creating a V shape that is continued by the contours of the headlights, the kidney grille and the wide air intake, this again resulting in a road-focused appearance. High-quality chrome elements and the LED units of the optional fog lamps positioned in front of them draw one's eyes to the powerfully flared wheel arches.

High-visibility innovation: Adaptive LED Headlights.

Bi-xenon headlights are part of the standard equipment on the new BMW 6 Series Coupe. The upper edge of the dual round headlights is partially covered by an accentuating trim or an LED accent light in conjunction with the optional Adaptive Headlights. This creates a characteristic concentrated look, which comes – coupled with the optional Adaptive LED Headlights – in a new variant. The Adaptive LED Headlights for the low and high beams feature LED corona rings as parking lights and daytime lights. These are flattened at the bottom and overlapped at the top edge by an accentuating light also featuring LED technology. The impression this creates is unmistakable and accentuates the innovative light technology effectively. Furthermore, they generate both the low beam and the high beam out of the two corona rings. The LED units placed on a horizontal rib at the centre of the luminous tubes serve as light sources. This underscores the headlight appearance typical of the brand even more, not just for daytime driving, but also in the night-time design.

The Adaptive LED Headlights ensure a keener eye, and not just in a figurative sense. Their cool, white light comes exceptionally close to natural daylight.

Even reflecting objects appear to have significantly more contrast. The Adaptive LED Headlights are controlled according to the speed, the steering angle and the yaw rate. The cornering light comes from a special separate light source inside the headlight housing, which at low speeds ensures that the road is illuminated in the direction in which the car is being steered. The direction indicators also feature LED technology. They each consist of eight LED units located below the corona rings.

Side view: elegant roofline; powerful, sculpted surfaces.

Taut, convex surfaces and just a few characterising lines flowing along the entire car body dominate the side view of the new BMW 6 Series Coupe. The forward-slanting BMW kidney grille can be seen particularly well from this perspective. In spite of its gentle curvature and innovative measures to optimise pedestrian protection, the long bonnet appears to be flat. Its contour lines open up towards the outside and continue all the way to the rear end. Thus, in the interplay with the typical coupe proportions, a particularly elegant stretched silhouette is formed.

The typical BMW swage line starts behind the front wheel arch, incorporates the sporty side gill element and extends dynamically along the entire side of the car towards the rear end. The swage line elongates the new BMW 6 Series Coupe optically and lends the vehicle both a dynamic and elegant appearance. The door handles are located exactly on the swage line. The curvature of the front wheel arch creates a further characteristic line which, after flowing downwards between the side gill element and the door, finally continues horizontally all the way to the rear. The line of the sill below it and an additional character line give the bottom edge of the body a light and sporting look.

The roofline flows to the rear end in a flat, elegant sweep. Viewed from the side, it appears particularly narrow, thus creating the contrast between the powerful-looking car body and the light passenger compartment, which is typical of BMW coupes. Doors with frameless windows further highlight this impression. The chrome-plated side window surrounds emphasise the forward bend at the bottom of the C-pillar known as the "Hofmeister kink" which is particularly narrow.

Rear end: distinctive signs of sporty and stable roadholding.

Viewed from the rear, the new BMW 6 Series Coupe emanates a sense of power, sportiness and solidity. Powerfully flared wheel arches emphasise the wide track, indicating stable roadholding. Furthermore, horizontal lines and a body shape that widens at the bottom clearly signalise sporting performance. The slightly concave lower section of the boot lid creates light and shadow effects, giving the rear end a light appearance. The side edges of the boot lid and the number plate surround form a V shape, echoing the front end by underlining the focus on the road. The tailpipe trims of the exhaust system are positioned on both sides of the diffuser. On the BMW 650i Coupe, they have a trapezoid contour, on the BMW 640i Coupe and the BMW 640d Coupe they are round.

The two-part taillights are L-shaped as is typical for the brand and they boast a particularly broad design reaching far into the boot lid. With the swage line flowing into the taillights, a harmonious connection is made between the flanks and the rear end of the car. Inside the lights, two LED light banks each create the characteristic BMW night-time look. This effect is reinforced by the L shape of the lower light source. The indicator and brake lights are also LED units. The broad auxiliary brake light is positioned in the upper rim of the boot lid. The antennas required for TV and wireless services, communication and navigation functions are fully integrated into the rear window and the partition between the boot and the passenger compartment.

Interior: clear driver orientation, exclusive ambience.

The interior design is characterised by the typical BMW driver orientation and dynamic forward movement. The central area of the dashboard, including the control display, the air outlets and the control panels for the audio system and automatic air conditioning, is inclined slightly towards the driver. The gear selector lever is located on a surface that opens up towards the driver and is positioned lower than the front-seat passenger area. Optionally, the fluid connection between the centre console and dashboard can be emphasised by a contrasting seam on leather surfaces.

The horizontal dashboard orientation is emphasised by an electroplated trim in the driver's area. Its course is continued on the passenger side in the form of a subtle character line on the glove compartment. The dynamic forward

movement is stressed by the door panel surfaces, which have a powerful taut look that is continued on to the front and into the dashboard. The decorative surface, which continues with a slight twist into the centre console, gives the front-seat passenger area an exclusive touch.

Furthermore, thanks to their single-seat design and increased shoulder and elbowroom compared to the predecessor model, the rear seats guarantee passengers a high degree of travelling comfort. Also, despite the lower vehicle height, there is greater head clearance on all the seats.

Optimised display, exclusive look: instruments featuring black panel technology, control display with flat screen design.

The instrument cluster featuring black panel technology combines state-of-the-art display technology with the classic round instruments typical of a sports car. A high-resolution 9.2-inch info display installed below the four round instruments shows, for example, mileage, fuel consumption and Efficient Dynamics information as well as operator feedback from the driver assistance systems and check-control messages.

Along with the controller and direct selection buttons located on the centre console, the standard iDrive control system comprises a newly conceived onboard monitor with an exclusive flat-screen design. The freestanding control display is prominently and ideally positioned within the dashboard area. It has a standard 7-inch diameter. In conjunction with the optional navigation system Professional, the new BMW 6 Series Coupe is equipped with a 10.2-inch version of the control display – the largest onboard monitor in the segment –, featuring a high-quality electroplated chrome surround.

Vast selection of colours and materials.

Eight metallic colours and two non-metallic colours are available to choose from for the paintwork of the new BMW 6 Series Coupe. Depending on the model, both the sporting character and the modern, elegant appearance of the coupe can be especially emphasised. The standard Dakota leather trim is available in three colours and the optional exclusive Nappa leather in four. As an alternative to the standard Softskin surface, the dashboard and the door and side panels and the centre console can be covered in exclusive Nappa leather. Instead of the raised felled seams in black, double-felled seams are also available in a colour that contrasts appropriately with the seat covers. For

the interior trims, optional finishes are available in addition to the standard high-gloss black version: Fine-sanded Aluminium, Grey Poplar Grain and High-Gloss American Oak. A further highlight in the interior is set by the optionally available ceramic applications for the operating elements of the audio and air-conditioning system, the gear selector lever and the iDrive Controller.



4. The driving experience: superior dynamics, unique diversity.

- **V8 and six-cylinder in-line petrol engine as well as six-cylinder in-line diesel engine with BMW TwinPower Turbo.**
- **xDrive four-wheel drive system in the BMW 6 Series for the first time.**
- **Greater agility, increased comfort, Driving Experience Control as standard; unique options: Integral Active Steering, Adaptive Drive.**

The design of the new BMW 6 Series Coupe suggests forward-surging and flowing movements. The elegant, athletic design of the contours and surfaces gives a clear hint to the car's dynamic potential. The state-of-the-art engine and suspension technology featured by the new BMW 6 Series Coupe ensures superior driving dynamics and precision-controlled driving in any situation. Compared to the predecessor model, sporting performance and driving comfort have increased markedly.

For all the new engines available in the new BMW 6 Series Coupe, BMW TwinPower Turbo technology forms the basis for the brand typical sporting performance and for a degree of efficiency which is unparalleled within the competitive environment. Customers can choose between a V8 power unit in the BMW 650i Coupe, a six-cylinder in-line petrol engine in the BMW 640i Coupe and an in-line, six-cylinder diesel engine in the BMW 640d Coupe. Driving pleasure gains an additional facet from BMW xDrive intelligent four-wheel drive featured for the first time in the BMW 6 Series. The electronically controlled four-wheel drive system gives the BMW 650i xDrive Coupe optimised traction characteristics and increased driving dynamics in bends.

The standard equipment of each model includes the eight-speed Sport automatic transmission and Driving Experience Control. The new BMW 6 Series Coupe is equipped with Electric Power Steering (EPS) as standard, and with Integral Active Steering as an option. Also on the options

list are Dynamic Damper Control and the Adaptive Drive system, complete with roll stabilisation.

Majestic top athlete: V8 engine in the BMW 650i Coupe.

In the new BMW 650i Coupe, spontaneously unfolding performance, superior pulling power, excellent running qualities and the exemplary efficiency of a V8 engine are fascinating attributes. The 4.4-litre all-aluminium engine has two turbochargers positioned in the V space between the cylinder banks. Apart from compact dimensions, the innovative design principle permits a specific design for the inlet and outlet ducts. The reduced pipe length and an increased cross-section minimise the loss of pressure at the intake and exhaust sides. The eight-cylinder engine develops a maximum output of 300 kW/407 hp which is reached at between 5,500 and 6,400 rpm. It delivers a peak torque of 600 Newton metres at between 1,750 and 4,500 rpm.

The sporting performance attributes of the V8 engine enable the new BMW 650i Coupe to accelerate from 0 to 100 km/h in 4.9 seconds. The engine electronics limit its top speed to 250 km/h (155 mph). The extraordinary efficiency for this output class is primarily attributable to the petrol direct injection. The jet-guided injection with injectors positioned centrally between the valves, and in the direct vicinity of the spark plugs, guarantees that the fuel is dosed with particular precision. The new BMW 650i Coupe combines its top sporting character with an average consumption of between 10.5 and 10.6 litres per 100 kilometres with CO₂ emission at 245 to 246 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

Typical BMW high-revving qualities, exemplary efficiency: six-cylinder in-line engine in the BMW 640i Coupe.

The BMW TwinPower Turbo technology package in the six-cylinder in-line engine of the new BMW 640i Coupe comprises a supercharging system based on the Twin-Scroll principle, the High Precision Injection direct injection system and VALVETRONIC fully variable valve control. The 3.0-litre engine generates a maximum output of 235 kW/320 hp at 5,800 to 6,000 rpm and a maximum torque of 450 Nm between 1,300 and 4,500 rpm.

The engine combines the high-revving qualities and running refinement typical of BMW six-cylinder in-line engines with particularly impressive power.

The engine has an aluminium crankcase and a supercharging system where in both the exhaust manifold and the exhaust-gas turbine the ducts of each of the three cylinders are separate from one another. This principle produces an instantaneous and sustained wave of power, thus eliciting spontaneous reactions to every movement of the accelerator pedal. Furthermore, VALVETRONIC variable valve control optimises the responsiveness of the engine. It facilitates infinite adjustment of the intake valve stroke. Throttle losses in the charge cycle are thus reduced to a minimum, which has a positive influence on both the efficiency of the power unit and the development of torque. Direct injection with centrally positioned solenoid valve injectors operating at a maximum pressure of 200 bar guarantees a precisely dosed fuel supply also in the six-cylinder engine.

With its spontaneous output and high-revving qualities, the BMW 640i Coupe engine accelerates from 0 to 100 km/h in 5.4 seconds. Its maximum speed is electronically limited to 250 km/h. Average consumption is 7.6 to 7.8 litres per 100 kilometres; CO₂ emission amounts to 177 to 181 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

**Yet again, top marks for accelerating power and efficiency:
six-cylinder in-line engine in the BMW 640d Coupe.**

Through ongoing consistent development of BMW TwinPower Turbo technology, additional dynamism and efficiency potential have also been created for the six-cylinder in-line diesel engines. An especially powerful version of the latest diesel generation is celebrating its premiere in the new BMW 640d Coupe. The 3.0-litre, all-aluminium engine has a maximum output of 230 kW/313 hp at 4,400 rpm, peak torque of 630 Newton metres is already reached at 1,500 and 2,500 rpm. It therefore supersedes its predecessor engine as the world's most sporting six-cylinder diesel engine. Its BMW TwinPower Turbo technology comprises a multistage turbocharging system with variable turbine geometry and Common Rail direct injection; its solenoid valve injectors operate at a maximum pressure of 1,800 bar.

The repeated increase in top performance and pulling power results primarily from the further development of the Variable Twin Turbo system. At low rpm rates, a small charger with an especially spontaneous response resulting from the lower mass momentum becomes active. The air it compresses is now fed

directly to the combustion chambers via a bypass duct. In view of the fact that the air no longer passes through the large charger unit, supercharge pressure builds up without any loss. The larger charger is activated by an electronic controller of the bypass unit only if there is an increase in the required load. Furthermore, its efficiency has been further increased by a water-cooling system, which is being used for the first time.

Additional optimisation of the basic engine and the injection system ensures that the new diesel engine achieves its extra output without any additional fuel consumption. On the contrary: the new diesel model stands out through a degree of efficiency that is unique in the vehicle segment of the BMW 6 Series Coupe. The new BMW 640d Coupe accelerates from 0 to 100 km/h in 5.5 seconds and reaches an electronically limited top speed of 250 km/h. Its average consumption is only 5.4 to 5.5 litres per 100 kilometres; CO₂ emissions are 143 to 145 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

Standard: eight-speed Sport automatic transmission.

On all models, power is transmitted via an eight-speed Sport automatic transmission as standard. It enhances the sporting driving dynamics thanks to exceptionally fast gear changing and offers outstanding shifting comfort as well as optimising efficiency. The eight-speed automatic transmission features an innovative gear set design. Compared to the six-speed automatic transmission featured by the predecessor model, it provides additional gear ratios and an increased transmission ratio spread without any negative impact on size, weight or the system's inherent efficiency.

The driver can change gears manually using the shift paddles on the steering wheel. Their operating logic conforms to the proven principle of BMW M cars: upshift is carried out with the right-hand paddle and downshift with the left-hand one.

BMW 650i xDrive Coupe: premiere for intelligent four-wheel drive in the BMW 6 Series.

As an alternative to the BMW top model's standard rear-wheel drive, the BMW 650i Coupe can optionally be equipped with the BMW xDrive four-wheel drive system. For the first time in the BMW 6 Series, the intelligent four-wheel drive system ensures superior traction, maximum safety, excellent

handling and an optimal performance profile in all weather and road conditions. The BMW 650i xDrive Coupe is equipped with the most recent version of the electronically controlled four-wheel drive system. The dynamically optimised harmonisation of the variable power distribution primarily supports extremely precise steering when cornering.

The BMW 650i xDrive Coupe sprints from 0 to 100 km/h in 4.8 seconds. Its average consumption is 11.3 litres per 100 kilometres; CO₂ emission is 262 to 263 grams per kilometre (values per EU test cycle, dependent on selected tyre format).

High-quality suspension technology for maximum sportiness and optimum comfort.

Thanks to its high-quality suspension technology, the new BMW Series 6 Coupe is even more agile than the predecessor model. In addition, it has optimised comfort features. Both the double wishbone front axle and the integral rear axle are predominantly made of aluminium. Moreover, front and rear axles form a roll axle running virtually parallel to the road surface. This gives rise to strikingly harmonious and stable cornering behaviour.

Due to the precisely adjusted wheel camber, the kinematics of the front axle guarantee optimal contact between the tyres and the road. This facilitates the transfer of high lateral forces and at the same time provides for outstanding, sporty roadholding and a comfortable suspension setting. The integral rear axle absorbs the drive and dynamic forces acting on the suspension via the wheel carrier, the rear-axle support, the swing arm and three suspension rods. The rear axle ensures first-class acoustics and vibrational comfort by effectively uncoupling the road surface and the drive train.

Options for absolute supremacy: Dynamic Damper Control and Adaptive Drive.

Optionally, the new BMW 6 Series Coupe is available with Dynamic Damper Control. The electronically controlled dampers adapt to both the road surface quality and the driving style. Adjustment of the rebound stage and the jounce stage takes place continuously in each case and independently of one another. In this way it is possible to combine a tight suspension layout with a comfortable reaction to an uneven road surface.

The supreme roadholding is optimised even more comprehensively by the Adaptive Drive system, which is also available as an option. In addition to Dynamic Damper Control it also comprises Dynamic Drive active roll stabilisation, which reduces body roll in high-speed corners and upon sudden changes of direction.

Unique in the segment: Electric Power Steering as standard, Integral Active Steering as an option.

The electric power steering system with Servotronic function is unique in the segment of the new BMW 6 Series Coupe, combining BMW typical precision, comfort and efficiency. With this system the speed-dependent power assistance for steering is generated by an electric motor.

Furthermore, the new BMW 6 Series Coupe is the first vehicle of its class to be equipped with Integral Active Steering as an option. It combines Active Steering for the front wheels already offered on the predecessor model with a steerable rear axle. The steering forces are controlled by Servotronic and the steering angle by an overlapping gear mechanism on the front axle – in each case as a function of the driving speed. In addition to this, the system also controls the steering angle of the rear wheels via a concentrically designed motor with a spindle drive. Precisely harmonised steering angles pave the way for extraordinary agility in dynamic driving situations. Integral Active Steering provides for outstanding manoeuvrability around winding mountain passes and in city traffic.

Thanks to Active Steering, the front wheels respond immediately to small movements of the steering wheel, enabling the driver to manoeuvre at low speeds without needing to make multiple turns of the steering wheel. However, at higher speeds the same movement of the steering wheel effectuates a smaller wheel angle, thus optimising the precision when driving into bends. Furthermore, Integral Active Steering also steers the rear wheels by up to 2.5 degrees. At speeds of up to 60 km/h (37 mph), the rear wheels are turned in the opposite direction to the steering angle of the front wheels. In addition to the turning circle, which is reduced by some 0.5 metres, the reduced steering effort provides for an increase in comfort. At higher speeds, Integral Active Steering gives the car extremely comfortable and assured reactions when changing lanes and cornering. The rear wheels follow the

same steering angle as the front wheels, enabling the car to follow the course set by the driver with even greater immediacy and precision.

Driving Experience Control enables the driver to adjust the car's setup at his own discretion.

Driving Experience Control is standard equipment on the BMW 6 Series Coupe. It enables the driver to vary sportiness and comfort to suit the situation. For example, the driver can choose from the "COMFORT", "SPORT" and "SPORT+" modes. In addition, in the new BMW 640i Coupe and the new BMW 640d Coupe, the driver can also activate the ECO PRO mode. If the customer opted for Dynamic Damper Control or Adaptive Drive, the COMFORT+ mode is also available. In this case, Driving Experience Control influences the characteristic curve of the damper and the roll stabilisation in addition to adjusting the accelerator pedal progression, engine responses, power-assisted steering characteristics, Dynamic Stability Control (DSC), response thresholds and the shift dynamics of the automatic transmission. In each case the driver activates a pre-configured and consistent overall setup.

Another button serves for selecting the DSC settings. It can also be used to activate a specific traction mode, which, for example, makes it easier to start and drive on loose sand or in deep snow. In the Dynamic Traction Control mode (DTC) the response thresholds of the Dynamic Stability Control are raised. The DTC function of the DSC is also activated in the "SPORT+" mode. A slight slip on the drive wheels enables dynamic drive oversteering when cornering.

In the DSC-Off mode, the dynamic drive brake intervention cuts in. This is similar to the electronic locking function for the rear-axle differential. To optimise traction, a drive wheel spinning in tight bends while accelerating is slowed down specifically as required, allowing the opposite wheel on the same axle to maintain its drive power and pulling force.

Lightweight braking system and Dynamic Stability Control (DSC).

The lightweight floating-calliper brakes with inner-vented discs are easy to use with precision. The diameter of the front brake discs is 374 millimetres on the BMW 650i Coupe and 348 millimetres on the BMW 640i Coupe and BMW 640d Coupe; the rear brake discs each measure 345 millimetres.

The effect of the brake system is supported by the Dynamic Stability Control function (DSC). The dynamic stability system comprises, for example, the anti-lock braking system (ABS), Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), brake assist, brake fade compensation, the Brake Drying function and the Start-Off Assistant. Standard equipment also includes 18-inch light-alloy wheels on the new BMW 650i Coupe and 17-inch rims for the new BMW 640i Coupe, as well as runflat tyres and a tyre defect indicator. Further light-alloy rims sized 18 to 20 inches are available as an option.

Electrical parking brake with Auto Hold function.

An electrical parking brake is also standard equipment on the BMW 6 Series Coupe. It is operated by means of a button on the centre console. If the electrical parking brake is used during travel, the brake system is fed via the DSC hydraulic system with an average delay and ABS-controlled. The electrical parking brake possesses an Auto Hold function, which increases convenience in Stop & Go traffic. If the vehicle comes to a halt, it is automatically held – even on slopes – by means of constant brake pressure until the driver presses the accelerator pedal again. The Auto Hold function is activated and deactivated with a separate button on the centre console.



5. **BMW EfficientDynamics in the new BMW 6 Series Coupe: a pioneering concept for maximum driving pleasure.**

- **BMW TwinPower Turbo for petrol and diesel engines as well as eight-speed Sport automatic transmission with excellent efficiency.**
- **Unique in the segment: Automatic Start-Stop function.**
- **New ECO PRO mode supports consumption-optimised driving.**

Superior sportiness defines the driving characteristics and hence the character of the new BMW 6 Series Coupe. This two-door model sets standards in the luxury class segment not just because of the improved performance and comfort features but also by virtue of its outstanding efficiency. The extremely favourable correlation between sporting character and fuel consumption is a result of the comprehensive application of state-of-the-art BMW EfficientDynamics technologies and makes the new BMW 6 Series Coupe stand out as an especially opportune representative of its vehicle class.

The innovations within the framework of BMW EfficientDynamics are further proof that increased driving pleasure does not necessarily imply higher consumption and emission figures. In the case of the new BMW 6 Series Coupe, in comparison to predecessor models, the increased output by 30 kW (BMW 650i), 35 kW (BMW 640i) and 20 kW (BMW 640d) also reveals optimised efficiency. The progress achieved with BMW EfficientDynamics is particularly evident in the case of the BMW 640d Coupe where the improvement in driving dynamics is accompanied by a 20-percent reduction in average fuel consumption.

Petrol engines with BMW TwinPower Turbo Technology: the efficient way to increased driving pleasure.

In the petrol engines available for the new BMW 6 Series Coupe, which all have their distinctive character, the BMW TwinPower Turbo technology ensures high-revving and superior running qualities as well as unsurpassed efficiency in the respective performance class. Both for the V8 power unit of the new BMW 650i and for the six-cylinder in-line engine in the

BMW 640i Coupe, state-of-the-art injection technologies and fully variable performance control are combined with innovative turbocharging technology for enhanced efficiency and dynamics.

Contrary to conventionally designed turbo engines, thanks to the turbocharging technology employed by BMW, fast power delivery without any delay is guaranteed. This is achieved by means of a charging principle specific to the six- and eight-cylinder engines. The large, 4.4-litre engine in the new BMW 650i Coupe is equipped with two turbochargers installed in the V-section between the cylinder banks and each supply four cylinders with compressed air. In the case of the 3.0-litre power unit in the BMW 640i Coupe, the Twin-Scroll principle is applied, whereby in the exhaust manifold and in the exhaust-gas turbine the two three-cylinder channels take separate paths. BMW TwinPower Turbo technology assists both the eight- and the six-cylinder engines to a level of performance which can only be attained by a conventional aspirated engine with a significantly larger displacement, which would then require significantly more weight and greater fuel consumption.

The direct injection, with injectors located centrally between the valves and in the immediate vicinity of the spark plug, ensures extremely exact dosing of fuel both with regard to the quantity and the duration. The fuel is conveyed to the combustion chambers at a pressure of up to 200 bar in order to guarantee a high energy yield and clean combustion. This perceptibly reduces fuel consumption even in normal traffic. Furthermore, the cooling effect of direct fuel injection facilitates a higher compression ratio, which further increases engine efficiency.

The BMW TwinPower turbocharging system, which in this case combines a Twin-Scroll turbocharger with the High Precision Injection direct injection and fully variable VALVETRONIC valve control, is also featured in the six-cylinder in-line power unit of the new BMW 640i Coupe. This system facilitates infinite adjustment of the valve stroke and the controlled timing of the intake valves. The throttle losses from the charge cycle are thus reduced to a minimum and fuel energy is exploited especially efficiently.

Six-cylinder in-line diesel engine with BMW TwinPower Turbo: the most sporting engine of its type with even greater efficiency.

The latest-generation, six-cylinder in-line diesel engine featured by the new BMW 640d Coupe for the very first time represents progress which has been redefined by BMW EfficientDynamics. Top output and accelerating power have been increased again and the power unit replaces the predecessor power unit as the world's most sporting six-cylinder diesel engine. At the same time, it permits the new BMW 640d Coupe to significantly reduce consumption and emissions. Its BMW TwinPower Turbo technology incorporates a further development of the incremental turbocharging system according to the Variable Twin Turbo principle and a modified Common Rail direct injection.

Compared to the previous engine, the new 3.0-litre all-aluminium engine boasts further optimisation of internal friction coefficients, weight and fuel injection. By means of – among other features – a recalibrated pre-injection system, the further development of the Common Rail injection, the solenoid valve injectors operating at a maximum pressure of 1800 bar, even more efficient combustion, exceptionally spontaneous power development and further enhanced acoustic characteristics are guaranteed.

Eight-speed Sport automatic transmission with unique efficiency.

The eight-speed automatic transmission of the BMW 6 Series Coupe stands out through an innovative gear set configuration which – compared to the six-speed automatic transmission employed to date – provides additional gear ratios and a greater transmission ratio spread without any negative effects on the size, weight and intrinsic efficiency of the system. At the same time, the minimal converter slip, which is restricted to initial acceleration and causes no loss of friction coefficients thanks to only two open clutches, the greater ratio of the higher gears and the gearbox control, which is beneficial for driving at low revs, helps to obtain fuel consumption advantages.

Auto Start-Stop function and ECO PRO mode.

The BMW 640i Coupe and BMW 640d Coupe have an Auto Start-Stop function as standard which prevents idling phases during intermediate stops at crossings or in traffic jams. As soon as the car comes to a halt, the engine is automatically stopped. When it is possible to move on, the driver only

needs to take his or her foot off the brake pedal and the motor starts without delay. This comfort optimised functionality is made possible by integration of hydraulic impulse storage which guarantees a rapid supply of oil to the automatic transmission. If the Auto Hold function is activated when moving off again, the driver gives the signal for the engine to start by pressing the accelerator pedal.

Driving Experience Control allows the driver of a BMW 640i Coupe or BMW 640d Coupe to activate ECO PRO mode, thereby tapping additional potential for increased efficiency. ECO PRO mode affects engine management and the characteristic curve of the accelerator pedal and the shifting characteristics of the automatic transmission. This facilitates a significantly more relaxed and economical driving style at low revs. At the same time, targeted power control for electrically-operated functions such as air conditioning, seat and exterior mirror heating ensures particularly efficient energy management. Specific display functions inform the driver, for example, of the number of kilometres by which the vehicle's range has been increased as a result.

Brake energy recuperation with recuperation display.

Thanks to intelligent energy management, brake energy recuperation – also a standard feature – ensures that the generation of electric current for the onboard electrical systems concentrates on the overrun and braking phases. This eases the load from the engine and electric energy can be recovered with virtually no fuel consumption. During traction phases the generator can be uncoupled to provide more drive force.

The effect of brake energy recovery is shown on a recuperation display in the instrument cluster. The graphic blue arrow always becomes active when the brake energy recuperation is feeding energy generated into the onboard power supply system without any fuel consumption.

Reduced energy requirements thanks to on-demand control.

On-demand control of auxiliary units also contributes to the sophistication of the vehicle's energy management. For example, the on-demand controlled coolant pump draws significantly less energy than conventional systems which permanently run at full capacity. Also, the pressure-controlled fuel pump and the equipment of the chassis control systems with on-demand

active pump technology promote especially targeted utilisation of energy. The servo motor of the Electric Power Steering (EPS) only becomes active when power-assisted steering is necessary, or if the driver wishes to use it. The air-conditioning compressor is disconnected from the belt drive by means of a magnetic clutch as soon as the air-conditioning system is not in operation.

A special low-viscosity gearbox oil optimises the warm-up behaviour of the rear-axle final drive. Similarly, on the new BMW 650i xDrive Coupe the weight-optimised design of the transfer box and the front-axle final drive provides additional efficiency.

The reduction of the aerodynamic drag also contributes towards reduced consumption. The new BMW 640i Coupe and the new BMW 640d Coupe possess an active cool air flap control system which opens or closes the air inlets in front of the radiator, depending on the driving situation. When little cool air is required, this further improves the aerodynamic properties of the vehicle. Furthermore, an especially smooth-surfaced underbody optimises the air flow.

Reduced consumption due to intelligent lightweight construction.

A deliberate selection of materials also helps to optimise the weight of the new BMW 6 Series Coupe. This has a positive influence on the agility of the vehicle as well as on its consumption and emission rates. The doors and bonnet are made of aluminium, the sides are plastic and the bootlid is made of glass-fibre composite material. The front spring supports are made of diecast aluminium, the high aluminium content in axle structures and the engines, also made from lightweight metal, additionally contribute towards weight optimisation.



6. **BMW ConnectedDrive in the new BMW 6 Series Coupe: fascinating options thanks to intelligent networking.**

- **Driver assistance systems and mobility services exclusive to BMW – including Office functions, Internet use, Real-Time Traffic Information and Apps.**
- **Unique in the segment: Head-Up Display and Parking Assistant.**
- **Absolute supremacy thanks to Active Cruise Control including Collision Warning and brake application function.**

Innovative technology provides maximum driving pleasure. In the case of the new BMW 6 Series Coupe this applies not just with regard to the engine and suspension technology but also to the optimisation of the comfort, safety and Infotainment functions. In these areas the standard and optional BMW ConnectedDrive range puts the new BMW 6 Series Coupe in an exceptional position in the segment. By intelligently networking the driver, the vehicle and the outside world in all situations, BMW ConnectedDrive makes on-demand information available to the driver, thus further increasing the pleasure of driving.

With the introduction of the new BMW 6 Series Coupe to the market, the range of the BMW ConnectedDrive driver-assistance systems and mobile services will again be extended. The new Real-Time Traffic Information functions supply the driver with particularly accurate traffic information and detour recommendations. The optional Apps are unique among the competition; they provide owners of Apple iPhones with the integrated use of selected applications such as the “BMW Connected” App with web radio, Facebook and Twitter functions in the car. Among the highlights in the field of driver assistance systems, some of which are exclusive to BMW, there is a new generation of the BMW Head-Up Display, Active Cruise Control with Stop & Go function, including collision warning and brake application, Parking Assistant and the BMW Night Vision system with pedestrian recognition.

Full-colour capability, optimised brilliance, more information: the new generation of the BMW Head-Up Display.

Like the predecessor model, the new BMW 6 Series Coupe is also the only vehicle in its segment to feature a Head-Up Display which projects information relevant for driving directly into the driver's field of vision, thus enhancing the driver's concentration on the traffic situation. The new generation of the system offers optimised display quality. The symbols projected onto the windscreen are represented in a particularly brilliant resolution. The full colour spectrum is now available for the graphics and traffic symbols can therefore be displayed realistically.

Besides displaying speed, check-control information and warnings from the driver-assistance systems on the Head-Up Display, depending on the vehicle's equipment High-Guiding information from the navigation system, details of the Speed Limit Info and status messages from the Lane Departure Warning System are also represented.

Active Cruise Control with Stop & Go function, including collision warning with brake application function.

The new BMW 6 Series Coupe has Cruise Control with brake application function as standard equipment. Besides influencing engine control and braking, it also affects gear selection by the automatic transmission in order to maintain the speed defined by the driver at a constant level. The system continuously records the longitudinal and lateral acceleration of the vehicle and, as need be, effects a speed reduction in order to prevent restricted comfort on winding roads.

Active Cruise Control complete with a Stop & Go function available as an option gives the driver even greater support and assistance. In addition, it includes Automatic Distance Control, which allows for relaxed cruising in flowing motorway or overland traffic, also ensuring that the selected distance from the vehicle ahead is maintained in low-speed, stop-and-go traffic. As soon as the distance from the vehicle ahead pre-set by the driver is no longer maintained, Active Cruise Control adjusts the speed of the car by intervening in engine management and building up brake pressure, thus consistently maintaining the right speed in accordance with traffic conditions. As a result,

the vehicle is decelerated and even brought to a halt and held there securely whenever required.

The selected speed in the range between 30 and 180 km/h and the preferred safety distance from the vehicle in front can be set by pressing a button. Should it be necessary for the driver to intervene because the vehicle ahead reduces its speed very drastically, he will be prompted to do so by optical and acoustic signals.

The Active Cruise Control option also includes Collision Warning with braking function. While both of these systems can be activated independently of one another, their functions are coordinated. Collision Warning with its brake activation function generates a two-stage alarm scenario. The so-called advance warning is an optical message presented as a red car symbol on the instrument cluster and, if the car is appropriately equipped, also on the Head-Up Display, telling the driver to increase the distance from the vehicle ahead. There is no such prior warning if Active Cruise Control with Stop & Go function is in use at the same time, since it automatically maintains and restores an appropriate distance at all times.

The second stage in the Collision Warning process becomes active if there is a greater risk of an imminent collision, regardless of the operating status of Active Cruise Control. In situations requiring the driver to intervene very quickly, the system triggers an urgent warning. A deceleration process is initiated at the same time. The vehicle brakes are applied for maximally 1.2 seconds at a deceleration factor of 3 m/s^2 . In combination with a signal flashing on and off in the instrument cluster, or on the Head-Up Display, and an acoustic warning signal, the driver is urged to act immediately.

The BMW ConnectedDrive driver assistance systems: unique variety within the competitive environment.

The range of systems offered by BMW ConnectedDrive in the new BMW 6 Series Coupe includes numerous other driver assistance systems and is unique in its competitive environment. Thanks to its intelligent networking an increase in comfort and safety is achieved. One of the exclusive innovations in this segment is the Parking Assistant, which makes it much easier to manoeuvre safely and comfortably into parking spaces parallel to the road. To complement the Park Distance Control (PDC), which

determines the distance from obstacles in front of and behind the vehicle, the new BMW 6 Series Coupe can also be equipped with a reversing camera integrated into the bootlid beneath the BMW brand logo. The System Surround View, which also includes the Side View function, ensures an even more comprehensive overview.

Optional Lane Change Warning in the new BMW 6 Series Coupe warns the driver of potentially critical situations when overtaking. Lane Departure Warning, which is also available as an option, reduces the risk of inadvertently going off course. Combined with the navigation system Professional, Speed Limit Info helps the driver to keep informed on the speed limits identified by the system on the route he is currently taking. Furthermore, a speed limit function is available in the new BMW 6 Series Coupe.

The optional High Beam Assistant offers extra safety when driving at night. In addition, the new BMW 6 Series Coupe can be equipped with the BMW Night Vision system including pedestrian recognition.

Exclusively from BMW ConnectedDrive: innovative mobility services and extended integration of mobile devices.

The range of mobility services, Internet-based services and technologies for integrating mobile devices within the vehicle offered by BMW ConnectedDrive is unique in its variety. The perfect integration of all entertainment, information and communication functions into the car's own operating system facilitates unparalleled intuitive, comfortable and safe control. With the BMW Assist service, BMW ConnectedDrive offers comprehensive and user-oriented support in many situations. BMW Assist encompasses an Enhanced Emergency Call function with automatic localisation and information on the severity of accidents, the current position of the car, extra traffic information, a comprehensive telephone Enquiry Service and the interactive My Info communication channel including the Google Send-to-Car function and the BMW TeleServices. Furthermore, the new remote control functions offered by BMW ConnectedDrive enable the driver to lock and unlock the car doors by phone and to locate the vehicle exactly to the metre.

Innovative Infotainment functions with Apps; premiere for Real-Time Traffic Information.

With the Apps option of BMW ConnectedDrive and the “BMW Connected” application, owners of an Apple iPhone can use additional web-based services in the vehicle. These include the web radio function for location-independent reception of radio stations that are broadcast via the Internet and the display of status messages from Facebook and Twitter on the Control Display. Besides integrating Apps, the new interface offers another vehicle entertainment function: By means of a plug-in system, the familiar Apple iPod user interface is transferred to the vehicle display. Since the iPod function of the iPhone is accessed directly using a plug-in system, all additional features, such as Genius for example, are also available for BMW ConnectedDrive customers to be used in the car. Moreover, Apps makes it possible to play and watch video podcasts on the onboard monitor by means of the iPod function of the iPhone while the car is standing still.

With the Real-Time Traffic Information offered for the first time in the new BMW 6 Series Coupe, the driver receives extremely precise traffic information and recommendations for alternative routes. In addition to the sensors already used on motorways and dual carriageways and the up-to-date police reports, extensive mobility profiles generated via navigation devices and mobile phones are evaluated for analysing the traffic situation. Thanks to the significantly increased database it is possible to identify traffic jams and hindrances also on country roads and in city centre areas. In addition to a warning about a traffic jam, the driver also receives information about the current traffic situation on the potential bypass route.

The convenient use of the car's own navigation system is further extended by BMW ConnectedDrive to include globally exclusive functions. These include the following services: pictures of the destination and a map view of the weather. Customers of the BMW Online mobility service can also request information directly from the Internet from their cars using the Google “Yellow Pages” and transfer it to the navigation system in the form of an address data record.

Another function offered by BMW ConnectedDrive is BMW Routes. Before setting out on a journey, tailor-made routes can be selected and sent to the

vehicle directly from the PC or transferred to the navigation system using a USB stick.

The Album Cover Display function and Bluetooth Audio Streaming provide additional entertainment in the car. BMW is the world's first manufacturer to also provide the option of displaying e-mails in the car via Bluetooth. Owners of a BlackBerry smartphone from the mobile phone manufacturer RIM (Research In Motion) can also gain access to the mobile phone's e-mail directory via the iDrive system in their BMW. Messages can be shown on the control display and read-out via the optional voice output.

Still unique: Internet use in the car.

In 2008, BMW was the first car manufacturer worldwide to facilitate the use of the Internet in a car. In its segment, the new BMW 6 Series Coupe is also the only vehicle to offer this as a BMW ConnectedDrive function. When the Internet is used, which – for reasons of safety – is only possible when the vehicle is standing still, the pages are selected with the aid of the controller and they are represented on the Control Display of the iDrive operating system. A special BMW server ensures that the selected web pages are transmitted quickly to the vehicle and that they are displayed optimally on the onboard monitor.



7. Bodywork and safety: the perfect combination of lightweight craftsmanship and sound, solid construction.

- **The average strength of the materials used in the bodywork has been enhanced by 56%, the static torsional stiffness by 53%.**
- **Targeted deployment of high-strength and super high-strength steel; the doors, bonnet and suspension struts are made of aluminium, the side walls and the luggage compartment cover are crafted from plastic.**
- **Lightweight seats with integrated safety belts and active headrests.**

In the new BMW 6 Series Coupe, complex bodywork construction, an intelligent mix of materials, modern manufacturing techniques and a safety package consisting of carefully selected components tuned to work perfectly together result in an ideal combination of passenger safety, agility and weight optimisation. The construction of the bodywork sets new standards in sound, solid stability and intelligent lightweight design. The comprehensive, centrally controlled restraint system provides optimal protection in a variety of collision scenarios. Furthermore, the safety concept includes innovative measures to optimise pedestrian protection. The new BMW 6 Series Coupe thus fulfils all of the criteria, ensuring that it achieves excellent results in all of the relevant crash tests throughout the world.

High-strength construction materials enhance passive safety and the rigidity of the bodywork whilst optimising vehicle weight.

The intelligent use of advanced high-strength multiphase steels and hot-formed super high-strength steels endows the passenger compartment of the BMW 6 Series Coupe with the maximum degree of rigidity at an optimised weight. The increased use of high-strength and super high-strength steels represents a significant advance on the previous model. The average strength of the construction materials used in its bodywork has been increased by 56 percent.

The driving dynamics of the new BMW 6 Series Coupe have also been optimised by the significantly enhanced bodywork rigidity. This has been

achieved with an intelligent mix of construction materials as well as by means of an optimised load path with an innovative strut concept for the area between the front panel, the suspension strut domes and the rear panel. In addition, the suspension struts, manufactured of die-cast aluminium, reduce the weight bearing on the front axle and contribute to the rigidity of the front of the vehicle. The torsional stiffness of the bodywork of the new BMW 6 Series Coupe has been increased by a grand total of 53 percent in comparison to the previous model. The quality of lightweight construction, a value that expresses the torsional stiffness in relation to the road surface and to the weight of the vehicle, is also at a peak value.

The doors and the bonnet of the new BMW 6 Series Coupe are crafted from aluminium. In comparison to steel construction, the use of aluminium results in a weight reduction of 14 kilograms for the doors alone. Thanks to leading-edge manufacturing technology, the doors, which have no window frames, are produced as laser-welded sheet metal shells. The front sidewalls made of thermoplastic result in a weight reduction of around two kilograms compared to steel units. In addition to low weight, the sheet moulding compound (SMC), a glass fibre composite material that is used for the luggage compartment cover, also has other benefits. It can be formed to an extent unattained by steel sheet and offers greater degrees of freedom in design. In addition, all of the antenna systems are invisibly integrated into the rear window and into the bulkhead between the luggage compartment and the passenger compartment.

Airbags with central control, optimised pedestrian protection.

High-load capacity structures, generous, precisely defined deformation zones as well as highly efficient restraint systems form the basis for the high degree of passive safety in the BMW 6 Series Coupe. Any forces coming to bear will be directed over a number of load paths, will be absorbed in the deformation zones and thus kept away from the passenger compartment. Furthermore, standard safety equipment includes front airbags, side airbags integrated into the seat backs, head airbags for the front and the rear, three-point automatic safety belts fitted to all seats, belt force limiters and belt pre-tensioners on the front seats as well as ISOFIX child seat anchor points in the rear.

In order to optimise passive pedestrian protection, the new BMW 6 Series Coupe is fitted with an active bonnet, dependent upon country specifications. The pyrotechnic trigger is activated at vehicle speeds of between 20 km/h and 55 km/h, as soon as sensors report that a collision with a pedestrian is likely and lifts the bonnet at the front and at the back.

Newly developed lightweight seats with an integrated safety belt system.

The new BMW 6 Series Coupe is fitted with newly developed lightweight seats with an integrated safety belt system, available in three versions. As an alternative to standard equipment, sports seats with integrated headrests as well as luxury seats offering additional adjustments are available. Their low profile provides a deep seating position typical of sports cars. The active headrests, fitted as standard equipment to all seat versions and controlled by the vehicle's safety electronics, ensure that in the case of a rear end collision the front of the headrest is moved up to 60 mm forwards and up to 40 mm upwards, in no time at all. This guarantees that the stabilising, protective functionality of the headrests is enhanced and that the risk of injury or of a hyper-extension of the cervical vertebrae is reduced.

A high degree of comfort on the road and enough room to stow three golf bags.

In spite of the reduced height in comparison to the previous model, the new BMW 6 Series Coupe has more headroom both in the front seats as well as in the rear. Moreover, the rear seat passengers enjoy even more legroom.

The luggage compartment of the new BMW 6 Series Coupe accommodates 460 litres. In practical terms this means that up to three 46-inch golf bags or two middle-sized hard-shell suitcases and a flight case can be comfortably stowed. An optional ski bag is available for carrying winter sports equipment, which is accommodated from the luggage compartment through a hatch located between the back seats into the rear of the vehicle.

Optimal illumination of the road ahead: bi-Xenon lights are standard equipment, Adaptive LED Headlights and LED fog lights optional.

The bi-Xenon headlights, fitted to the new BMW 6 Series Coupe as standard equipment, ensure excellent illumination of the road ahead. The LED units produce a striking, characteristic bright white ring of light and can be operated

in two modes, either as position lights or as daytime headlights. As an option, Adaptive Headlights are available.

The optional Adaptive LED Headlights guarantee that curves in the road ahead are well illuminated. The direction of the headlight beam is controlled by the orientation of the steering wheel, the yaw rate and the speed of the vehicle. Cornering light functionality is also integrated into the headlights. When cornering, an additional beam of light is activated in order to illuminate the road in the chosen direction. In combination with the Adaptive LED Headlights, the direction indicators are also designed in LED technology.

On the new BMW 6 Series Coupe, the light sources for the rear lights are also LED technology. The optional fog lights consist of three LED units each. In order to prevent rear-end collisions, the new BMW 6 Series Coupe is also equipped with dynamic brake lights. The driver behind is warned to brake sharply by the conspicuous flashing brake lights, which are triggered either by rapid deceleration or by the activation of the ABS system.



8. **Equipment: exclusive technology meets stylish luxury.**

- **Exclusive standard equipment including the iDrive control system with freestanding control display, leather seats, 2-zone climate control and HiFi audio system.**
- **Navigation system with hard-disc storage, active seats, Comfort Access and Bang & Olufsen high-end surround sound system optional.**
- **M Sport Package available at market launch.**

The exclusive driving pleasure imparted by the new BMW 6 Series Coupe with its superior power train and suspension is further increased by its extensive standard equipment and exceptionally attractive options. High-quality materials, first-class processing quality and stylish colour coordination make its interior appointments not only modern but luxurious as well. This exclusive ambience underscores the premium character of the BMW 6 Series Coupe, whose comfort features even set standards for the top-class.

Standard equipment includes leather seats, climate control with enhanced features such as separate temperature regulation for driver and front passenger side, the iDrive control system with freestanding control display integrated into the instrument panel, electric windows as well as electrically adjustable, automatically heated exterior mirrors that can be folded in toward the body. Even the bi-xenon headlights combined with a light and rain sensor are standard equipment for the new BMW 6 Series Coupe. Integrated operating instructions, which can be called up by way of the iDrive system, provide the driver with detailed information about all equipment features. Furthermore, drive train and suspension technology features include Driving Experience Control, a leather-bound steering wheel with multifunction buttons, Servotronic speed-sensitive steering-power assistance and the electro-mechanical parking brake with Auto Hold function – all as standard on-board equipment.

In addition to the standard and optional driver assistance systems and mobility services included or offered under the BMW ConnectedDrive development concept, there are also numerous special features for optimising ride comfort, safety and Infotainment which are available in the new BMW 6 Series Coupe. Additional accents can be set by the model-specific configuration items available in the M Sport Package and the BMW Individual programme.

The engine in the new BMW 6 Series Coupe can be started by pressing the Start/Stop button as soon as the remote control key is inside the vehicle. Therefore, it is no longer necessary to insert the key, as was previously the case. Optional Comfort Access takes care of automatic vehicle locking and unlocking. An automatic soft-close function for the doors is another available special equipment feature.

Electrically adjustable seats standard, active seats optional.

The new BMW 6 Series Coupe offers a choice from among three variants of the newly developed lightweight seats with integrated belt system. Independent of seat position, the belts are easily reached and are positioned at an optimal body height for fastening. The integrated belt system also eases entry into rear seat positions. Furthermore, an Easy-Entry function will automatically move the front seat to its most forward position at the press of a button to ease entry into the rear seat. Electrically operated adjustment of seat height and longitudinal direction, backrest inclination and headrest height including memory function are standard equipment features for both the driver's seat and front passenger seat. These adjustments are operated by buttons located in the front section of the seat frame.

The optional sports seats available offer optimal lateral support with their raised seat and backrest sides. They come equipped with integrated head restraints as well as manually adjustable thigh support. Sport seats can also be complemented with a lumbar adjustment option. Comfort seats are another available option; they add comfort head restraints, lumbar supports, and electric adjustment of the thigh support, backrest width and angle of the upper backrest segment.

All seat variants are optionally available with seat heaters for the driver and front passenger seats. Active seat ventilation is also available in the sports and

comfort seat variants. In addition, the comfort seats are available in an active anti-fatigue version.

Climate control with innovative vaporiser technology.

The standard climate control system includes active charcoal filters, a fogging sensor, a solar sensor, a residual heat utilisation feature, engine-independent ventilation, extensive comfort sensing features as well as separate temperature regulation and individual settings for air volume and air distribution for the driver and front passenger sides. A specially developed vaporiser, optimally matched to the cold-storage unit, produces pleasant climate control for the vehicle's interior that continues even when the engine has shut off for an intermediate halt. In comparison to conventional systems, this climate control system is able to maintain the preset climate for about twice as long when the engine is shut off.

Further options available for the new BMW 6 Series Coupe include an auxiliary heater, a steering wheel heater and an electrically operated panoramic sunroof, whose glass panel has a transparent surface area of 806 x 578 millimetres – extending almost over the entire vehicle width. An optional ski bag, which can be pushed into the interior by way of an opening between the rear seats, provides additional comfort. The ambient light option provides additional illumination for door panels, door pockets, side panels in the rear, the storage compartment under the centre armrest, the scuff plates and the luggage compartment.

For a unique sound experience: Bang & Olufsen high-end surround sound system.

The standard Professional radio in the new BMW 6 Series Coupe is equipped with an MP3-compatible CD drive, an AUX-IN connection and an audio system with nine speakers. Available optional equipment includes a DVD changer, a TV module, a DAB (Digital Audio Broadcasting) receiver and the HiFi System Professional consisting of 12 speakers plus a digital amplifier with Dirac signal processing.

When it comes to delivering audio pleasure of the highest order, the Bang & Olufsen high-end surround sound system, designed especially for the new BMW 6 Series Coupe, hits all the right notes. Jointly developed by the Danish audio specialists and BMW, this system produces an exceptionally natural

sound from 16 speakers built-in throughout the vehicle. It is a fully active system featuring digital signal processing which means the two bass speakers, seven mid-range speakers and seven tweeters all have individual amplifiers. This system effects targeted modification of sonic reflection inside the car. The Bang & Olufsen high-end surround sound system uses Dirac Dimensions™ technology to recreate the acoustics of a reference auditorium in the passenger compartment. This produces a passenger perception of the sound in identical audio quality.

The electrical signals are converted into precisely defined sound waves with neodymium magnetic drivers, and the system's mid-range speakers feature extremely stiff Hexacone diaphragms. The outstanding quality of the Bang & Olufsen high-end surround sound system is underscored by its exclusive styling features. The shape and colour of the high-grade, all-aluminium loudspeaker covers match the interior design of the new BMW 6 Series Coupe perfectly. The special perforation pattern of the grilles is created using a very sophisticated drilling technique. The grille mounts are not visible from the outside, ensuring that the grilles stand out from their surroundings by appearing to float in a slightly raised position above the surface. This exclusive appeal is further enhanced by a subtle lighting effect showcasing the contours of all these sound sources impressively. The novel design of the centre speaker in the instrument panel area is a significant innovation both visually and acoustically. This centre speaker employs the Acoustic Lens Technology developed by Bang & Olufsen to provide particularly harmonious sound. As soon as the audio system is activated, this centre element with integrated midrange speaker rises to expose the tweeter's lens. The lens distributes its signals uniformly at a 180-degree angle throughout the interior. This extraordinarily harmonious horizontal dispersion of sound is achieved through the special design of the lens, which also minimises unwanted vertical sound dispersion.

Navigation system Professional with hard disc memory.

The optional navigation system Professional comes with an 80 GB hard disc where all navigation data is stored. This data disc drive is permanently installed in the vehicle and can also be used to create an individualised music archive. The system's full-screen map presentation, in high-resolution graphics, offers an incomparably detailed overview of the region currently

being travelled through. Selected sights of interest are highlighted as true-to-life photo graphics. A pre-view map makes it easier to select the destination. The High Guiding function with integrated driving lane recommendations transmits detailed views – such as rights of way at a complicated road junction – from the monitor screen directly into the instrument cluster or, if present, to the Head-Up Display option.

Unmistakably dynamic: BMW 6 Series Coupe with M Sport Package.

The outstanding driving dynamics character of the new BMW 6 Series Coupe can be especially underscored with the M Sport Package being offered at market launch. Model-specific components have been developed for aerodynamics, exterior and interior that promise the vehicle's sports car character does not go unnoticed. The features in this package include an M aerodynamic package with specific suspension components for the front end, side sills and rear apron, tailpipe trims in dark chrome design, LED fog lights, a sports exhaust system for the BMW 650i Coupe and BMW 650i xDrive Coupe models as well as 19- inch light alloy wheels in M double-spoke design. As an alternative option, 20-inch light alloy wheels in M double-spoke design are also available. In combination with the M Sport Package, the M carbon black metallic and Imola red non-metallic paint finishes are also being offered.

The interior's already sporty character is further enhanced by sport seats in M specific Alcantara leather design with contrasting blue seams, an M leather steering wheel with multifunction buttons and shift paddles as well as aluminium interior trim strips accentuated by a hexagon brushed pattern. The M Sport Package also includes M logo scuff plates as well as an M driver footrest.

The BMW Individual product range for the new BMW 6 Series Coupe.

Exclusive options offered in the BMW Individual product programme afford ample opportunity to configure the new BMW 6 Series Coupe's exterior and interior features to one's own personal style. All products featured in the BMW Individual range are available as individual options. Furthermore, a BMW Individual composition is offered for the BMW 6 Series Coupe, which

contains products distinctively matched to a perfectly harmonious combination of colours and materials.

High-quality BMW Individual paintwork finishes fascinate by virtue of their exceptional brilliance, their shimmer effects and their unprecedented depth. For the new BMW 6 Series Coupe, the paint variants Citrine Black metallic, Ruby Black metallic, Moonstone metallic and Tanzanite Blue are available. In addition, the BMW Individual special paint finishes Brilliant White metallic and Agate Brown metallic are offered, as are the matte colour finishes Frozen Grey metallic and Frozen Silver metallic. BMW Individual light alloy wheels in V spoke design are available in either 19 or 20-inch sizes.

An exclusive interior flair is created, both optically and haptically, by the impressive quality of the BMW Individual full leather Merino appointments. These are offered in the colours Platinum, Champagne, Amaro Brown and Cohiba Brown as well as in the new Opal White variant. Piping and seams always exhibit a contrasting colour. The overall impression of interior appointments is made harmonious by the BMW Individual matching roof liner in Alcantara leather colours, available in four colour tones. There is a selection of BMW Individual interior trim strips available in Piano Lacquer Black, Plane Dark Red Brown and Ash Grain White to complete an ideally colour-coordinated combination with leather variants. To match these interior trim strips, a BMW Individual inlaid wood steering wheel in corresponding material quality is offered as an additional option.



9. The history of the model: tracking down the legendary dream automobiles.

- **BMW Sport Coupes – setting standards in dynamism, elegance and exclusivity for over 70 years.**
- **The history of this model is defined by milestones marking technological and aesthetic advances.**
- **The new BMW 6 Series Coupe is a part of the tradition of the legends of motor sport and icons of style.**

This grand coupe bearing the BMW badge is the epitome of dynamism and exclusive driving pleasure embodied in a stylish, luxurious two-door automobile. The new BMW 6 Series Coupe is the latest chapter to be written in a history stretching back over 70 years, a history rich in legendary motor racing victories and studded with a multitude of celebrated icons of automobile design. The unmistakable mystique which characterises the BMW 327, the BMW 503, the BMW 3200 CS, the BMW 2000 CS and the grand coupes around the BMW 3.0 Csi, as well as all of the models in the BMW 6 Series since 1976 has been reinterpreted here in a futuristic form. The new BMW 6 Series Coupe takes up a trailblazing position in terms of aesthetics, dynamism and innovative technologies and carries the tradition of these fascinating dream automobiles unflinchingly forward.

The challenges of competitive motor sport and the pursuit of the extraordinary mark the history of the development of BMW sport coupes from the very beginning. With their superior driving performance and groundbreaking technical innovations, they have always aroused desire, while their progressive character reflects the innovative power of the company that created them. The BMW coupes have achieved a status which reaches far beyond their own product life cycle with their salient design. As outstanding examples of the BMW design idiom at the time, they have become milestones in the aesthetics of automobile construction.

The new BMW 6 Series Coupe is a part of the tradition of iconic classic cars which changed automobile design forever and even today has lost nothing of its fascination. Its line of ancestry begins with the BMW 327 Sport Coupe,

honoured as the Coupe of the Year in 1937, which thrilled and delighted with its flawless elegance and is judged to be the most exclusive BMW model to be produced before the war. In contrast to the 55 hp engine which was very powerful for the time, from 1938 onwards, the BMW 327/28 was fitted with the 80 hp sports engine from the legendary BMW 328 Roadster. This formed the basis for a sports coupe with, by the standards of the day, ultra-light aluminium bodywork with which BMW was placed first in the overall ranking in the legendary Mille Miglia long distance race in 1940.

An exclusive driving experience: the BMW 502 Coupe with the first German V8 engine of the post-war period.

The tried and tested six-cylinder engines underwent a remarkable renaissance at the beginning of the 1950s. They were fitted to the BMW 501, which was built from 1952 onwards and which quickly acquired the nickname of “The Baroque Angel” because of the lavish curves of its bodywork with wings stretching far into the sides. In addition to the sedan, from 1954 onwards, coupe and convertible versions of the BMW 501 were produced as limited editions.

With the introduction of the BMW 502 in 1954, the coupe also was equipped with a respectively dimensioned V8 engine. Fitted with a crankcase and cylinder head of aluminium, the 2.6-litre power unit delivered 100 hp. This V8 was the first eight-cylinder engine of the post-war period manufactured in Germany and was also the most advanced power unit on the market at the time, by virtue of its lightweight design.

Icons of style from the 1950s: the BMW 503 and BMW 507.

At the International Motor Show in Frankfurt in 1955, BMW presented not one, but two spectacular new automobiles, the BMW 503 Coupe and the BMW 507 Roadster. Both models were powered by the eight-cylinder engine, which had been increased to a capacity of 3.2 litres and which delivered 140 hp to the BMW 503 and a breathtaking 150 hp to the BMW 507. With features which included leather upholstery and electric windows, the four-seater BMW 503 fulfilled the burgeoning desire for luxury and extraordinarily elegant design during the early phase of Germany's economic miracle.

The designs for the BMW 503 and BMW 507 were drafted by the young German designer Albrecht Graf Goertz. The former student of the famous industrial designer Raymond Loewy succeeded in melding long, stretched side contours and powerfully swept fronts with an elegance and lightness which until then had only been achieved by Italian automobile designers. Even today, this combination is still a perfect example of the sporting elegance which is also expressed by the BMW 6 Series Coupe.

The BMW 503 was also a pioneer in terms of technology. Parts of its bodywork were made of aluminium, the lightweight V8 engine accelerated the coupe to 190 km/h. A brake servo was part of the standard equipment and from 1957 onwards, the gearbox was married directly to the engine and for the first time was operated by a gear stick on the floor and not by a gear shift on the steering wheel, as had been the case up until then.

Driving pleasure, lightness, elegance: from the BMW 3200 CS to the BMW 3.0 CSL.

In 1962, a coupe made its debut, the successor to the BMW 503; the design leaned towards the Italian flair prevalent at the time and expressed this idiom with even more intensity. Nuccio Bertone, a coachbuilder from Turin, designed a sporty, elegant and yet remarkably spacious dress of steel for the BMW 3200 CS. An unmistakable element of the design was the Hofmeister Knick, or Hofmeister Kink, integrated into the look of the side windows, something used for the first time on a two-seater. This design element was named after BMW's Head Designer Wilhelm Hofmeister and is an opposed curve at the base of the C-pillar, something which still distinguishes BMW automobiles today. The BMW 3200 CS was powered by a 160 hp V8 engine, had a top speed of 200 km/h and above all symbolised an air of assured prestige in the luxury segment, in addition to its confident sportiness.

The trend towards lightness, the Italian influence, was carried through to the design of the next generation of coupes. In 1965, two four-cylinder models were launched, the BMW 2000 C with 100 hp and the BMW 2000 CS with 120 hp. Their independent coupe bodywork forms were complemented with striking design elements by Wilhelm Hofmeister. The filigree roof construction with slender A and C-columns including the Hofmeister Knick blended well with an unmistakable front section with trapezoidal headlights and an

accented, slim BMW kidney contour on the radiator grille. The powerfully expressive design, sporting driving characteristics, which included an automatic transmission, met with great approval and rapidly resulted in very substantial sales figures.

The desire for even better performance was satisfied by BMW in 1968 with an in-line six-cylinder engine. When fitted to the BMW 2800 CS, the 2.8 litre power unit delivered 170 hp. The lines of the vehicle were stretched by means of a longer bonnet and the proportions perfected; round, dual headlights ensured a sporty look. The BMW 2800 CS embodied a unique totality of sportiness and luxury. The BMW 3.0 CS, the BMW 3.0 CSi and the BMW 3.0 CSL followed until 1973, propelled by 3.0 litre engines which delivered 180 hp and 200 hp; the most powerful 3.2-litre version developed 206 hp. These models were conceived as motor sport vehicles, a field in which they dominated far into the 1970s. The BMW 3.0 CSL with its uncompromisingly reduced weight is remembered as a pioneer in the art of intelligent lightweight construction for production vehicles.

Since 1976: the number 6 as the symbol of driving pleasure.

For the first time in 1976, the number 6 became the symbol of a unique combination of dynamism and stylish elegance. The BMW 6 Series, created by the French BMW Head Designer Paul Bracq was longer and wider and thus provided more space and comfort in the interior. The roof construction demonstrated an elegant lightness yet again, the front section running to a point highlighted outstanding sporting capabilities. Six-cylinder in-line engines of 3.0 litres and 3.2 litres developed 185 hp and 200 hp under the bonnets of the BMW 630CS and the BMW 633CSi. Starting in 1978, a 3.5-litre engine powered the BMW 635CSi with an astounding 218 hp, delivered by an engine bred directly on the race track. The first-generation BMW 6 Series cars were made dazzlingly conspicuous not only by their excellent driving dynamics but also by their leading-edge technology, which ensured comfort and safety. During a production period of 13 years, 86,216 vehicles were sold, making it the longest running BMW model at that time.

With the second generation of the BMW 6 Series, launched in 2003, the exclusive driving pleasure reserved for the luxury class was interpreted in a

new, high-quality and technically groundbreaking manner. An unmistakable, dynamic appearance and powerful six and eight-cylinder engines defined the character of this sports coupe. Innovations in the field of driver assistance systems and safety systems gave an edge to the profile of this most progressive model. The BMW 635d Coupe, launched in 2007, placed a unique emphasis on efficiency. The sportiest 210 kW/286 hp six-cylinder diesel engine in the world enriched the driving experience to be enjoyed in this luxury class coupe with its characteristic tractive power and added a further tantalizing attribute to the automobile.

The new BMW 6 Series Coupe is ideally placed to continue this success story. It has built upon and further developed the qualities of its predecessor and has drawn upon the values of BMW's great sports coupes, nurtured over many decades, to present a modern interpretation. With its superior driving dynamics, irresistible aesthetics and innovative luxury, it places a number of new stars in the night sky of a vehicle segment, in which demanding automobile enthusiasts have traditionally found the car of their dreams and continue to do so today.



10. Production: achieving outstanding quality with innovative technology and precision.

- **BMW Dingolfing plant: production of the new BMW 6 Series Coupe and 6 Series Convertible along with 7 Series and 5 Series models**
- **Cross-model processes and components ensure efficient production strategies in keeping with luxury-class quality standards.**
- **Largest BMW plant worldwide has manufactured the BMW 6 Series since 1976.**

Innovative manufacturing technology and quality-oriented precision in craftsmanship typify the production processes that make the new BMW 6 Series Coupe one of today's most highly sophisticated premium automobiles. The new generation of premium class sports coupes is based on the same newly developed vehicle architecture also used in BMW 7 Series luxury sedans. The new BMW 6 Series Coupe and 6 Series Convertible models, the BMW 5 Series and the BMW 7 Series are all produced at the BMW plant in Dingolfing. The manufacturing concept embraces the cross-model use of numerous components and results in highly efficient production that simultaneously meets the most stringent of standards in terms of workmanship.

Since 1967, the BMW plant in Dingolfing, Lower Bavaria has been a key part of the BMW Group's global production network, which now consists of 25 production plants in 14 countries and spans five continents. Plant 2.4 was originally built and commissioned to produce BMW automobiles at the site in 1973. Numerous awards bear out the excellent standard of the largest BMW plant worldwide, where more than eight million BMW automobiles have rolled off the production lines to date. Approximately 18,000 employees currently work at the site, more than 12,000 of these directly in automobile manufacturing at plant 2.4. The first generation of the BMW 6 Series was initially produced in Dingolfing back in 1976. The second generation of the series was also manufactured at the site.

Integrated production for high-end quality and efficiency.

Both the quality and the efficiency of manufacturing are benefiting from the product and process modules used for the BMW 7 Series, the 5 Series and the various models of the 6 Series. The commonly shared vehicle architecture is the basis for an integrated production strategy. The flexible design of the manufacturing facilities means the proportion of each model series in the total production workflow can be continually adjusted to suit fluctuating demands. The strategy ensures the smooth distribution of production capacity and makes for prompt delivery in line with customer-oriented sales and production processes (COSP).

Additional synergies are achieved by using modularly designed vehicle components, the so-called product modules. Both the functionality and the quality of these components are designed to meet the extremely high requirements for luxury cars of the BMW 7 Series. The axle bracket, for example, was developed for use as a cross-model unit. For the air conditioning systems, technologies invisible to the customer are available in various modules.

Outstanding quality in every detail, right from the start.

To ensure fulfilment of BMW's strict quality standards from the very beginning, both the quality and the fitting accuracy of the more than 800 parts and modules that go into the making of a new model are already tested on a dimensionally accurate body model more than one year prior to production start-up. The so-called cubing model, approximately three tons in weight, is milled from solid, shrinkage-free special aluminium in accordance with development data and is accurate to within 0.1 millimetres. In several coordination loops, firstly the prototypes and then the first components from series tools are installed in the model to ensure the exact dimensional stability and fitting accuracy of the components in relation to each other and the vehicle prior to the series start-up stage.

Permanent improvement in the production process.

At the BMW Dingolfing plant the latest findings in the development of state-of-the-art production processes are being implemented. Here the BMW Group follows the principle of the Value-Adding Product System (VAPS). The use of process modules is an important feature in this

endeavour: based on the use of identical vehicle components for the 7 Series, the 5 Series and the new BMW 6 Series, standardised production workflows are implemented that combine outstanding quality in the manufacturing of various models on the same line by means of standardised production planning. Further progress is currently being made in the fields of Value-Adding Technology Processes and logistics. The current goal is to achieve a reliable one-piece flow all the way from the supplier to the completion of the vehicle.

Innovative production processes in body making.

Furthermore, innovative production techniques have been developed that are now being utilised when producing large volumes of several models simultaneously. The production of doors for the BMW 7 Series, the 5 Series, the 6 Series Coupe and the 6 Series Convertible is based on research results from the BMW Group's aluminium centre of excellence, also located in Dingolfing. The newly developed aluminium processing technology also creates the conditions for the fine modelling of high-quality design features such as the characteristic line of the doors.

The enterprise is also relying on innovative technologies in the processing of sheet steel. Around 50 million Euros have been invested in constructing two new sheet steel presses, which also help to give the components of the new BMW 6 Series Coupe their unique quality characteristics. At its Dingolfing plant, BMW is the first car manufacturer worldwide to use the so-called hot stamping technology. The process initially involves the cold forming of galvanised steel sheets, which are then heated to over 900 degrees Celsius. The sheets are then immediately cooled down to approximately 70 degrees Celsius within a few seconds in a pressing tool with an integrated water cooling system and thereby hardened. The process endows the components with three to four times more strength than conventional sheet steel components.

The new ProgDie high-speed press is one of the largest facilities of its kind in the world and by integrating several process steps it achieves an output of up to 160 components at 40 pressing strokes per minute. Up to 21 steps take place simultaneously during the process. The inserted strip of material is fed in directly from the roll of sheet steel and gradually pushed further through the

press with each additional working step. The process leads to particularly efficient material utilisation and reduced energy consumption. Approximately five million kilowatt hours of energy are saved each year in comparison to conventional pressing procedures.

Inline painting process now integrates sidewalls and plastic boot lid.

When utilising thermoplastics for the front sidewalls as well as SMC (sheet moulding compound) for the boot lid of the new BMW 6 Series, weight optimisation, specific design requirements and flexibility in production are all combined by means of innovative processes. The use of SMC in manufacture provides carmakers with a far greater degree of freedom for surface modelling than that feasible with sheet steel components. Both the boot lid and the sidewalls, which are made of a particularly heat-resistant type of thermoplastic, can be simultaneously integrated in the inline painting process at the BMW Dingolfing plant.

11. Technical specifications.

BMW 640i Coupe, BMW 650i Coupe.



		BMW 640i Coupe	BMW 650i Coupe
Body			
Number 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 / 1657	1600 / 1657
Ground clearance	mm	124	124
Turning circle	m	11.7	11.7
Tank capacity	appr. l	70	70
Cooling system incl. heating	l	10.2	14.6
Engine oil ¹⁾	l	6.5	8.5
Weight, unladen, to DIN/EU	kg	1660 / 1735	1770 / 1845
Max. load to DIN	kg	450	450
Max. perm. weight, overall	kg	2180	2280
Max perm axle load front/rear	kg	1090 / 1180	1165 / 1220
Max perm trailer load (12%) braked/unbraked	kg	- / -	- / -
Perm roof load/trail download	kg	75 / -	75 / -
Luggage capacity	l	460	460
Air resistance	cd x A	0.30 x 2.23	0.31 x 2.23
Engine			
Configuration/No. of cyls. /valves		R / 6 / 4	V90 / 8 / 4
Engine technology		BMW TwinPower Turbo with direct injection and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo with two turbochargers and direct injection
Capacity	cc	2979	4395
Stroke/bore	mm	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10.2	10.0
Fuel grade		At least RON 91	At least RON 91
Max output	kW/hp	235 / 320	300 / 407
at	rpm	5800 – 6000	5500 – 6400
Max torque	Nm	450	600
at	rpm	1300 – 4500	1750 – 4500
Electrical system			
Battery/installation	Ah/-	90 / luggage comp	105 / luggage comp
Alternator	AW	210 / 2940	220 / 3080
Driving dynamics and safety			
Suspension, front		Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure	
Diameter	mm	348 x 30 / vented	374 x 36 / vented
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Diameter	mm	345 x 24 / vented	345 x 24 / vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive	
Safety features		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 integrated in the front seats, crash-activated head restraints at the front, crash sensors, runflat tyres, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Overall steering transmission	:1	17.2	17.2
Tyres front/rear		225/55 R17 97Y RSC	245/45 R18 96Y RSC
Wheels front/rear		8J x 17 LM	8J x 18 LM

		BMW 640i Coupe	BMW 650i Coupe
BMW ConnectedDrive			
Comfort	Optional: BMW Assist incl. Enquiry Service, remote-control functions and V-Info+ (Traffic Info plus), Real-Time Traffic Information, BMW TeleServices, integration of mobile devices		
Infotainment	Optional: Internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps		
Safety	Optional: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View incl. Top View and Side View, BMW Night Vision with pedestrian recognition, Head-Up Display, Parking Assistant, Active Cruise Control including rear-end collision warning with braking function, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Automatic/Advanced Emergency Call		
Transmission			
Type	Eight-speed automatic with 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
	VIII	:1	0.667
	R	:1	3.295
Final drive		:1	3.231
Performance			
Power-to-weight ratio	kg/kW		7.1
Output per litre	kW/ltr		78.9
Acceleration	0–100 km/h	s	5.4
	0–1000 m	s	24.8
In 4th gear	80–120 km/h	s	–
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard	Brake Energy Regeneration with recuperation display, Auto Start-Stop function (BMW 640i), ECO PRO mode (BMW 640i), intelligent lightweight construction, on-demand operation of ancillary units, air flap control (BMW 640i), Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced rolling resistance		
Fuel consumption EU²⁾			
With standard wheels and tyres			
BMW 640i: 8J x 17 wheels, 225/55 R17 tyres (SA 2K1), BMW 650i: 8J x 18 wheels, 245/45 R18 tyres (SA 2SR)			
Urban	l/100km		15.4
Extra-urban	l/100km		7.7
Composite	l/100km		10.5
CO ₂	g/km		245
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (SA 2SR, 9WR, 931)			
Urban	l/100km		–
Extra-urban	l/100km		–
Composite	l/100km		–
CO ₂	g/km		–
With 8J x 18 wheels at front, 9J x 18 at the rear and 245/45 R18 tyres at front, 275/45 R18 at the rear (SA 2DN), With 8.5J x 19 wheels at front, 9J x 19 at the rear and 245/40 R19 tyres at front, 275/35 R19 at the rear (SA 2FB, 2DP), With 8.5J x 20 wheels at front, 9J x 20 at the rear and 245/35 R20 tyres at front, 275/30 R20 at the rear (SA 2H9)			
Urban	l/100km		15.5
Extra-urban	l/100km		7.7
Composite	l/100km		10.6
CO ₂	g/km		246
Emission classification			EU5
Insurance category			
KH / VK / TK			21 / 28 / 28
Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weight)			

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

BMW 650i xDrive Coupe.

BMW 650i xDrive Coupe

Body

Number of doors/seats		2 / 4
Length/Width/Height (unladen)	mm	4894 / 1894 / 1369
Wheelbase	mm	2855
Track front/rear	mm	1600 / 1657
Ground clearance	mm	124
Turning circle	m	11.7
Tank capacity	appr l	70
Cooling system incl. heating	l	14.6
Engine oil ¹⁾	l	8.5
Weight, unladen, to DIN/EU	kg	1845 / 1920
Max. load to DIN	kg	450
Max. perm. weight, overall	kg	2350
Max perm axle load front/rear	kg	1210 / 1240
Max perm trailer load (12%) braked/unbraked	kg	- / -
Perm roof load/trail download	kg	75 / -
Luggage capacity	l	460
Air resistance	cd x A	0.32 x 2.23

Engine

Configuration/No. of cyls./valves		V90 / 8 / 4
Engine technology		BMW TwinPower Turbo with two turbochargers and direct injection
Capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel grade		At least RON 91
Max output	kW/hp	300 / 407
at	rpm	5500 – 6400
Max torque	Nm	600
at	rpm	1750 – 4500

Electrical system

Battery/installation	Ah/-	105 / luggage comp
Alternator	A/W	220 / 3080

Driving dynamics and safety

Suspension, front	Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame structure	
Diameter	mm	374 x 36 / vented
Brakes, rear	Single-piston aluminium floating-calliper	
Diameter	mm	345 x 24 / vented
Driving stability systems	Fitted as standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, cross-linking of the four-wheel drive with the stability control system DSC within the Integrated Chassis Management (ICM), optional: Adaptive Drive	
Safety features	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 integrated in the front seats, crash-activated head restraints at the front, crash sensors, runflat tyres, Tyre Defect Indicator	
Steering	Hydraulic rack-and-pinion steering with Servotronic, optional: Integral Active Steering	
Overall steering transmission	:1	18.0
Tyres front/rear		245/45 R18 96Y RSC
Wheels front/rear		8J x 18 LM

BMW 650i xDrive Coupe

BMW ConnectedDrive

Comfort	Extras: BMW Assist incl. Enquiry Service, remote-control functions and V-Info+ (Traffic Info plus), Real-Time Traffic Information, BMW TeleServices, integration of mobile devices
Infotainment	Extras: Internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps
Safety	Extras: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View incl. Top View and Side View, BMW Night Vision with pedestrian recognition, Head-Up Display, Active Cruise Control including rear-end collision warning with braking function, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Automatic/Advanced Emergency Call

Transmission

Type	Eight-speed automatic with 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
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	3.077

Performance

Power-to-weight ratio	kg/kW	6.2	
Output per litre	kW/l	68.3	
Acceleration	0–100 km/h	s	4.8
	0–1000 m	s	23.1
In 4th gear	80–120 km/h	s	–
Top speed	km/h	250	

BMW EfficientDynamics

BMW EfficientDynamics measures as standard	Brake Energy Regeneration with recuperation display, intelligent lightweight construction, on-demand operation of ancillary units, flow-controlled power-steering pump, detachable a/c compressor, tyres with reduced rolling resistance
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Fuel consumption EU²⁾

With standard wheels and tyres 8J x 18 wheels, 245/45 R18 tyres (SA 2SR)		
Urban	l/100km	16.5
Extra-urban	l/100km	8.2
Composite	l/100km	11.3
CO ₂	g/km	262
With 8J x 18 wheels at front, 9J x 18 at the rear and 245/45 R18 tyres at front, 275/45 R18 at the rear (SA 2DN), With 8.5J x 19 wheels at front, 9J x 19 at the rear and 245/40 R19 tyres at front, 275/35 R19 at the rear (SA 2FB, 2DP), With 8.5J x 20 wheels at front, 9J x 20 at the rear and 245/35 R20 tyres at front, 275/30 R20 at the rear (SA 2H9)		
Urban	l/100km	16.5
Extra-urban	l/100km	8.3
Composite	l/100km	11.3
CO ₂	g/km	263
Emission classification		EU5

Insurance category

KH / VK / TK	21 / 28 / 28
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Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weights)

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

BMW 640d Coupe.

BMW 640d Coupe	
Body	
Number of doors/seats	2 / 4
Length/Width/Height (unladen)	4894 / 1894 / 1369
Wheelbase	2855
Track front/rear	1600 / 1657
Ground clearance	124
Turning circle	11.7
Tank capacity	70
Cooling system incl. heating	l
Engine oil ¹⁾	l
Weight, unladen, to DINEU	1715 / 1790
Max. load to DIN	450
Max. perm. weight, overall	2220
Max perm axle load front/rear	1090 / 1200
Max perm trailer load (12%) braked/unbraked	- / -
Perm roof load/trail download	75 / -
Luggage capacity	460
Air resistance	0.29 x 2.23
Engine	
Configuration/No. of cyls./valves	R / 6 / 4
Engine technology	BMW TwinPower Turbo with two turbocharges (Variable Twin Turbo) and Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)
Capacity	cc 2993
Stroke/bore	mm 90.0 / 84.0
Compression ratio	:1 16.5
Fuel grade	Diesel
Max output	kW/hp 230 / 313
at	min ⁻¹ 4400
Torque	Nm 630
at	min ⁻¹ 1500 – 2500
Electrical system	
Battery/installation	Ah/- 90 / luggage comp
Alternator	AW 220 / 3080
Driving dynamics and safety	
Suspension, front	Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive
Suspension, rear	Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame structure
Diameter	mm 348 x 36 / vented
Brakes, rear	Single-piston aluminium floating-calliper disc brakes
Diameter	mm 345 x 24 / vented
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive
Safety features	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 integrated in the front seats, crash-activated head restraints at the front, crash sensors, runflat tyres, Tyre Defect Indicator
Steering	Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering
Overall steering transmission	:1 17.2
Tyres front/rear	225/55 R17 97Y RSC
Wheels front/rear	8J x 17 LM

BMW 640d Coupe

BMW ConnectedDrive

Comfort	Extras: . Enquiry Service, remote-control functions and V-Info+, Real-Time Traffic Information, BMW TeleServices, integration of mobile devices
Infotainment	Extras: Internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps
Safety	Extras: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View incl. Top View and Side View, BMW Night Vision with pedestrian recognition, Head-Up Display, Parking Assistant, Active Cruise Control including rear-end collision warning with braking function, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Automatic/Advanced Emergency Call

Transmission

Type	Eight-speed automatic with 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
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813

Performance

Power-to-weight ratio	kg/kW	7.5
Output per litre	kW/l	76.8
Acceleration 0–100 km/h	s	5.5
0–1000 m	s	24.6
In 4th gear 80–120 km/h	s	–
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics measures as standard	Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO Modus, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced rolling resistance
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Fuel consumption EU²⁾

With standard wheels and tyres 8J x 17 wheels, 225/55 R17 tyres (SA 2K1)		
Urban	l/100km	6.6
Extra-urban	l/100km	4.8
Composite	l/100km	5.4
CO ₂	g/km	143
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (SA 2SR, 9WR, 931)		
Urban	l/100km	6.7
Extra-urban	l/100km	4.8
Composite	l/100km	5.5
CO ₂	g/km	144
With 8J x 18 wheels at the front, 9J x 18 at the rear and 245/45 R18 tyres at the front, 275/45 R18 at the rear (SA 2DN), With 8.5J x 19 wheels at the front, 9J x 19 at the rear and 245/40 R19 tyres at the front, 275/35 R19 at the rear (SA 2FB, 2DP),		
Urban	l/100km	6.7
Extra-urban	l/100km	4.8
Composite	l/100km	5.5
CO ₂	g/km	145
Emission classification		EU5

Insurance category

KH / VK / TK	21 / 28 / 28
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Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weights)

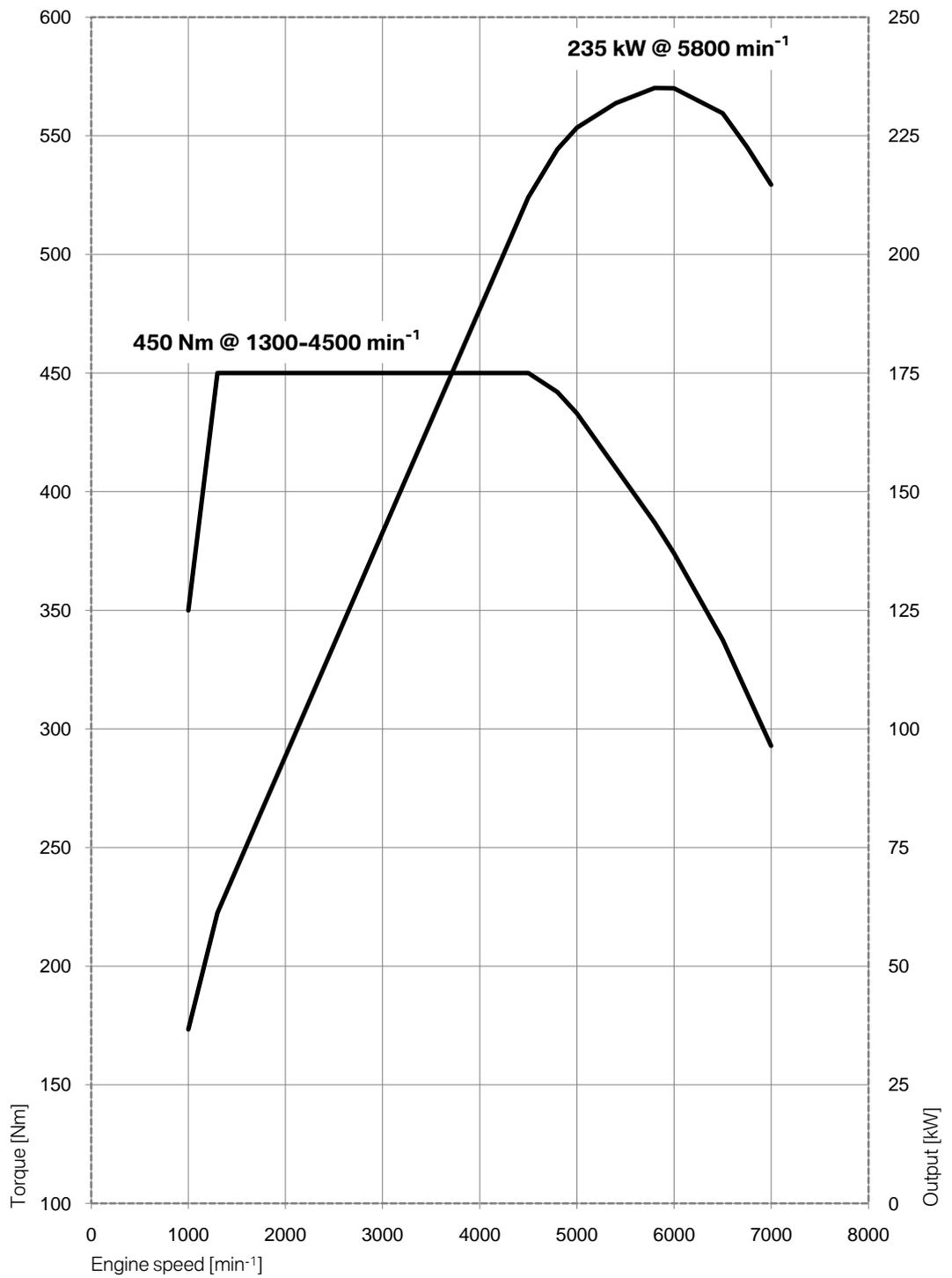
¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

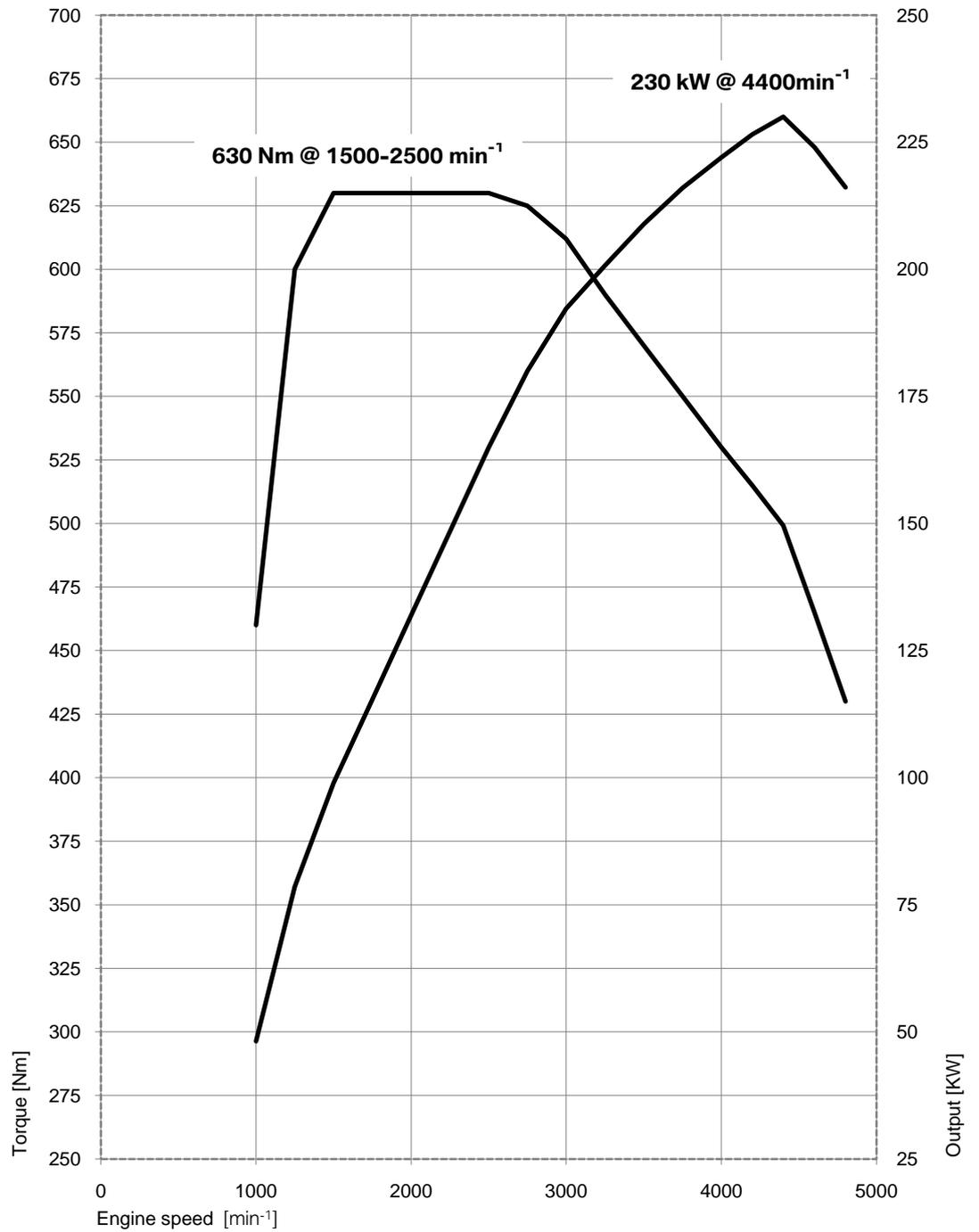
12. Output and torque diagrams.



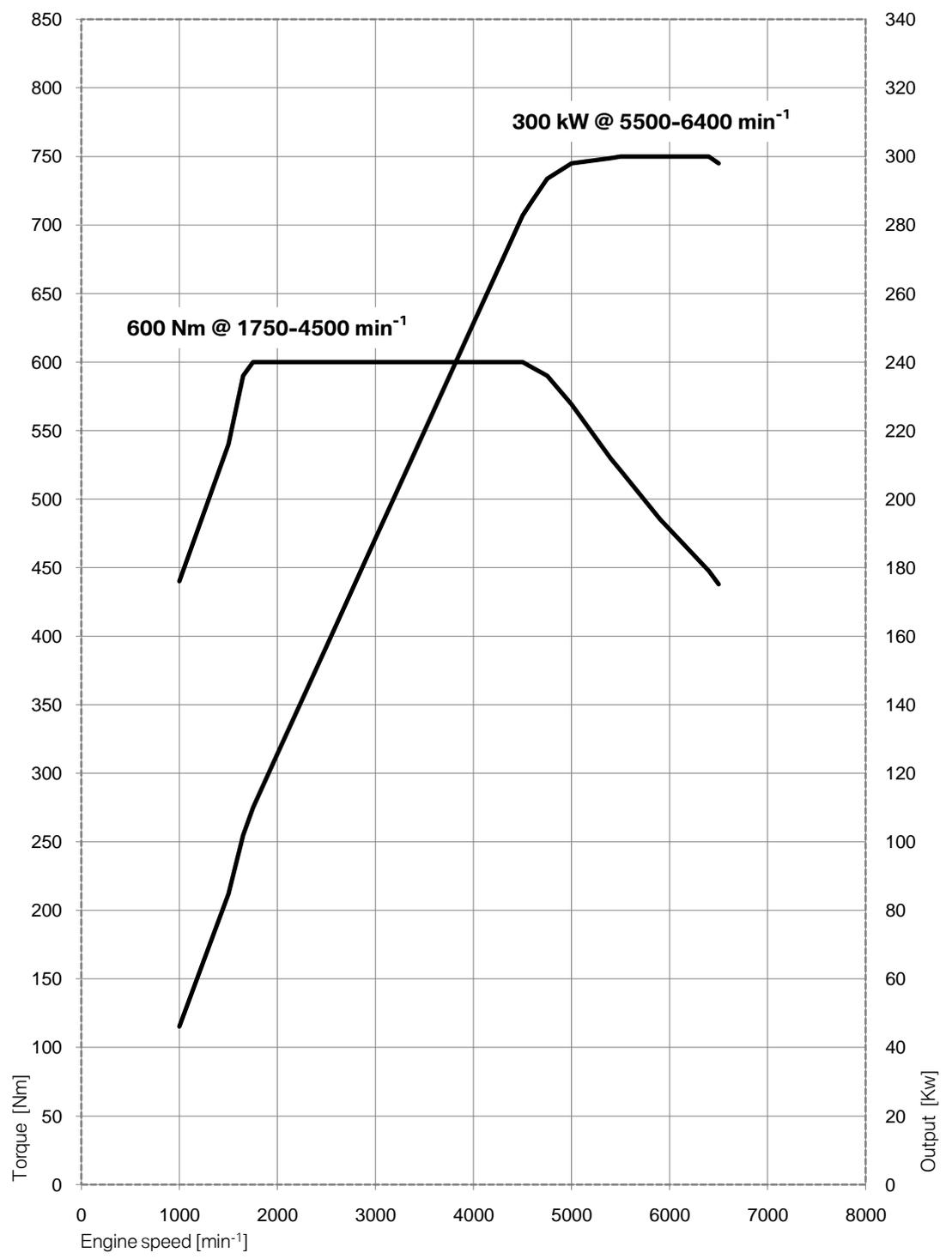
BMW 640i Coupe.



BMW 640d Coupe.

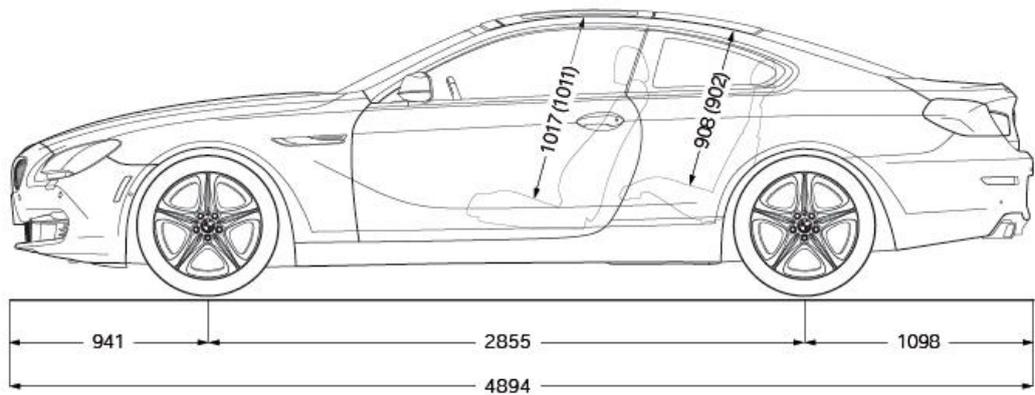
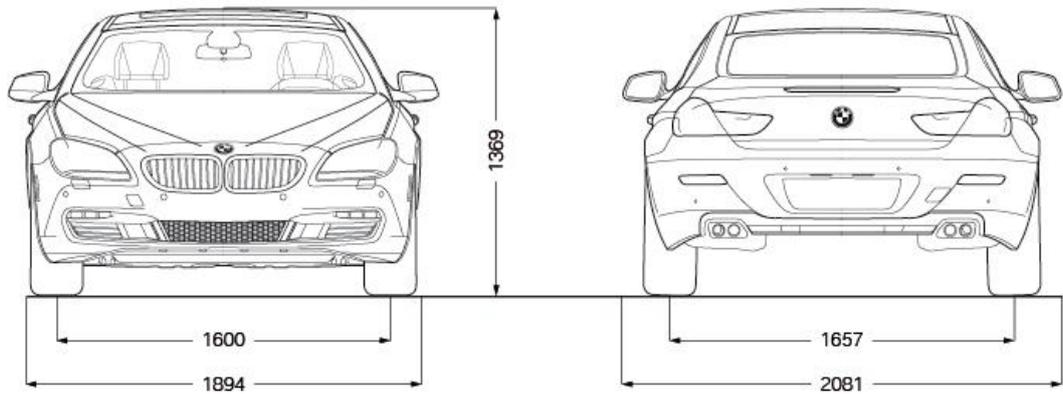


BMW 650i Coupe.



13. Exterior and interior dimensions.

BMW 640i Coupe.
BMW 650i Coupe.
BMW 640d Coupe.



Figures in () apply to the glass vent roof.

