

The new BMW 4 Series Gran Coupé. Contents.



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1. The new BMW 4 Series Gran Coupé. Short version.



BMW proudly presents the new BMW 4 Series Gran Coupé (combined fuel consumption: 8.1–4.5 l/100 km; combined CO₂ emission: 189–119 g/km), the first four-door coupé in the premium midsize class that represents a consistent extension of the model range. Following the launch of the BMW 4 Series Coupé and Convertible, the Gran Coupé is the third model to join the new BMW 4 Series, which is longer, wider and more dynamic than any of the previous midsize series due to the balanced proportions of the vehicles. The new BMW 4 Series Gran Coupé combines the sleek look of a two-door coupé with the functionality provided by four-doors and expansive spaciousness, including a wide-access luggage compartment.

New standard of elegance and extravagance in the midsize class.

The BMW 4 Series Gran Coupé has exactly the same dimensions as the two-door coupé: a length of 4,638 millimeters, a width of 1,825 millimeters and a wheelbase of 2,810 millimeters. Up front, both models are identical and share the typical BMW design features like the double-kidney grille, dual round headlights and the large air intake in the front apron. However, the roof of the BMW 4 Series Gran Coupé is twelve millimeters higher, 112 mm longer and gently stretched allowing it to flow smoothly into the rear quarter panels and boot lid. The typical BMW short overhangs, the long bonnet and the set-back passenger compartment complement the design of the BMW 4 Series Gran Coupé to express perfect balance combined with a bold presence.

This extended roofline highlights the elegance and sophistication of the BMW 4 Series Gran Coupé, while setting new standards for aesthetics in the midsize class that also have decisive practical advantages. For example, there is more headroom in the interior, not to mention added comfort. The boot volume of 480 liters is 35 liters larger than that of the two-door version for more convenience in meeting the challenges of everyday driving situations with the BMW 4 Series Gran Coupé.

Dynamic and elegant concept with functional elements.

When compared with a two-door coupé, the BMW 4 Series Gran Coupé offers passengers easier access when entering or leaving the vehicle thanks to the four-door configuration. The doors are frameless, having the characteristic design features of BMW midsize coupés that emphasize the

elegance of the vehicle concept. The functional elegance of the 4+1 seater is highlighted by prominent round instruments with a black panel look and the free-standing flat-screen iDrive monitor. The wide-access boot opening and spacious luggage area makes loading and unloading much easier. The 40:20:40 split folding backrest of the rear seat ensures added flexibility. The maximum volume of the boot is 1,300 liters and is best-in-class when it comes to the premium four-door coupés currently offered. The boot lid is equipped as standard with an automatic opening and closing mechanism for maximum convenience, and the Smart Opener feature can be ordered to open and close the lid with a movement of the foot.

Wide-ranging customizing options offered by three special equipment packages, the M Sport package and the BMW Individual program.

The interior of the BMW 4 Series Gran Coupé represents elegance and sophistication combined with outstanding ergonomics. All controls are configured to give the driver optimal access to them. An approach known as layering – the intelligent utilization of space through the structuring of lines and surfaces into layers – expresses the hallmark BMW driver focus. Lines from the cockpit stretch along the front doors and the B column into the rear passenger compartment. They create a sense of unity encompassing the front and back seats, as do the seamless transitions formed by the interior door panels. The shape of the rear bench seat resembles the look of two individual seats, but the upholstered “console surface” between them can also accommodate a third passenger in the middle (4+1 seater). Extraordinary material combinations and unrivalled quality of workmanship define the premium ambience on board the new BMW 4 Series Gran Coupé. The standard model variant, plus three optional equipment packages and the M Sport package, leave no wishes unfulfilled for drivers wanting a special look and feel. The BMW Individual program offered at market launch includes options for creating an exclusive vehicle with special leather interior packages, exterior colors and 19-inch light-alloy wheels.

Four and six-cylinder petrol engines, plus two four-cylinder diesel engines available at model launch.

The new BMW 4 Series Gran Coupé offers a choice of five powerful, cultivated and efficient engines. The high-end is represented by the 435i's six-cylinder in-line 3.0-liter petrol engine delivering 225 kW/306 hp (fuel consumption urban/extra-urban/combined: 11.4/6.2/8.1 l/100 km; combined CO₂ emission: 189 g/km). The BMW 428i Gran Coupé (fuel consumption urban/extra-urban/combined: 8.9/5.3/6.6 l/100 km; combined CO₂ emission: 154 g/km) and the BMW 420i Gran Coupé (fuel consumption urban/extra-urban/combined: 8.7/5.1/6.4 l/100 km; combined CO₂ emission: 149 g/km) are

equipped with light and powerful four-cylinder engines that deliver 180 kW/245 hp and 135 kW/184 hp, respectively. Like all BMW diesel variants, the two four-cylinder engines offered for the BMW 4 Series Gran Coupé are known for their smoothness, torque and outstanding efficiency. The BMW 420d Gran Coupé (fuel consumption urban/extra-urban/combined: 5.8/4.1/4.7 l/100 km; combined CO₂ emission: 124 g/km) delivers 135 kW/184 hp with an average fuel consumption, depending on tires, of only 4.7 to 4.9 liters per 100 kilometers (4.6 to 4.7 liters with sport automatic transmission) and sprints from 0 to 100 km/h (0 to 62 mph) in only 7.7 seconds (7.5 seconds with sport automatic transmission). The engine in the BMW 418d Gran Coupé (fuel consumption urban/extra-urban/combined: 5.4/4.0/4.5 l/100 km; combined CO₂ emission: 119 g/km) has an output of 105 kW/143 hp and consumes 4.5 to 4.7 liters per 100 kilometers.

All diesel and petrol engines feature the latest BMW TwinPower Turbo technology and comply with the EU6 emissions standard. The ultramodern engines combine impressive elasticity and dynamics with very low fuel consumption and emissions.

xDrive and two Steptronic transmissions are available.

At model launch, the BMW 428i Gran Coupé and 420d Gran Coupé can be optionally equipped with BMW xDrive intelligent all-wheel drive technology. (428i xDrive: fuel consumption urban/extra-urban/combined: 9.0/5.5/6.8 l/100 km; combined CO₂ emission: 159 g/km; 420d xDrive: fuel consumption urban/extra-urban/combined: 6.1/4.2/4.9 l/100 km; combined CO₂ emission: 129 g/km) The standard variant of the new BMW 4 Series Gran Coupé features a six-speed manual transmission, but all engines can be combined with the optional eight-speed Steptronic or eight-speed sport Steptronic transmissions, which also feature manual shifting using paddles on the steering wheel.

BMW EfficientDynamics – sporty performance, low consumption.

The elegant and dynamic character of the BMW 4 Series Gran Coupé is accompanied by excellent economy and efficiency. The source of this low fuel consumption can be traced to the BMW EfficientDynamics strategy, with wide-ranging innovations for intelligent mobility. These innovations include the optimized fuel economy of the petrol and diesel engines, the lightweight construction concept and honed aerodynamics with features such as a smooth covered underbody and the use of Air Curtains and Air Breathers. Brake Energy Regeneration, the Auto Start Stop function, the gear shift indicator and ancillary components that are activated on-demand also contribute to fuel savings and reduced emissions. Automatic transmissions (Steptronic) can also reduce consumption with coasting mode, and even more is possible with ECO PRO mode.

BMW ConnectedDrive – 100 percent connectivity.

The entire range of BMW ConnectedDrive options can be ordered for the BMW 4 Series Gran Coupé. Among the highlights are the Navigation System Professional, the full-color BMW Head-Up Display, Driving Assistant, the glare-free High Beam Assistant, Active Protection and the latest development stage of the Active Cruise Control with Stop & Go function. Innovative interface technology also permits easy integration of smartphones in the vehicles. This supports the use of the dynamically growing selection of apps available, for example, from Audible or Deezer, for various purposes in the vehicles.

Further information on official fuel consumption figures, specific CO₂ emission values and the electric power consumption of new passenger cars are included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from the Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Schramhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. LeitfadenCO₂ (GuidelineCO₂) (PDF – 2.7 MB)

2. Concept and design. Exclusive and exciting mobility with elegant functionality.



The new BMW 4 Series Gran Coupé extends the model range of vehicles available in the premium midsize class. It combines the sleek look of a two-door coupé with the functionality provided by four-doors and expansive spaciousness, including a wide-access luggage compartment. The sporty and premium character of the BMW 4 Series is combined with intelligent functionality and refined elegance in the Gran Coupé. While this model shares the same length, width, wheelbase and track with the extremely dynamic two-door version, the roofline of the BMW 4 Series Gran Coupé is 112 millimeter longer and slopes gently to the rear of the vehicle. What's more, the silhouette is twelve millimeters higher to offer more headroom and comfort in the rear passenger compartment. This contributes to increased headroom on all seats and the overall feeling of interior spaciousness. At the same time, the short front and rear overhangs, the long wheelbase relative to the vehicle length, and the set-back passenger compartment are typical BMW touches that add to the perfect balance of the body design and the noble appearance of this car, which is derived from the elegant BMW 6 Series Gran Coupé.

Elegant coupé with saloon car and touring qualities.

“Taking its cue from a large BMW coupé, the new BMW 4 Series Gran Coupé combines a dynamic and sleek silhouette with additional functionality and more spaciousness in the rear passenger compartment.”

Won Kyu Kang, exterior designer responsible for the BMW 4 Series.

Like the two-door version, the sporty dimensions of this vehicle are a reflection of its bold and dynamic handling characteristics. The stretched roofline, four frameless doors and a wide, electrically operated boot lid offered as standard provide the functionality of a saloon car within the silhouette of a coupé. The volume of the boot is 480 liters, which is the same capacity provided by the BMW 3 Series Saloon. The back of the rear seat can be folded down in the configuration 40:20:40 as desired to increase the load capacity to 1,300 liters. The flat floor and a two-part loading strip made of stainless steel are practical convenience elements that are combined with premium materials. Thus the BMW 4 Series Gran Coupé can easily transport a pram, two golf bags or six crates of bottled water without using the folding function.

In contrast to a two-door coupé, the BMW 4 Series Gran Coupé offers passengers easier access when entering or leaving the vehicle thanks to the four-door configuration. The doors are frameless, having the characteristic design features of BMW midsize coupés. The wide-access boot lid harmonizes perfectly with the overall silhouette. When closed, the precise flow of the lid seams simulates the look of a typical coupé boot. The electric drives that help move the boot lid reflect perfection in detail. They are installed vertically and require very little space. Thus the area of the rear windscreen is much larger and provides a very good view, without limiting the space available.

At first glance, the BMW 4 Series Gran Coupé is an expression of extreme dynamics and refined elegance. With a length of 4,638 millimeters, a width of 1,825 millimeters and a wheelbase of 2,810 millimeters, the four-door variant has the same dimensions as the two-door coupé. The track dimensions of both models – 1,545 millimeters front and 1,594 millimeters rear – are identical and highlight the dynamic potential of the BMW 4 Series Gran Coupé. The silhouette of the four-door model is twelve millimeters higher than the two-door version. The stretched roofline flows gently across both rear doors and blends into the slightly raised and short rear section of the car.

Athletic, elegant and powerful from any perspective.

The BMW 4 Series Gran Coupé is instantly recognizable by classic BMW design features such as the iconic kidney grille and dual round headlight clusters. The body contours are executed with precision, with multifaceted surfaces that distinguish the eye-catching look up front. Full LED dual headlights can be ordered as options to bolster the dynamic aura of the vehicle. The three-part, wide air intakes in the front apron emphasize this effect. The extreme left and right apron corners reveal vertical air channels for the so-called Air Curtains. They generate a veil of air around the front wheels thereby enhancing the aerodynamic efficiency of the BMW 4 Series Gran Coupé.

The sides of the vehicle are distinguished by a bold swage line and a subtle light-catching edge that create the impression of forward movement in the design of the BMW 4 Series Gran Coupé. Stretched lines and expressively contoured surfaces generate a dynamic interplay of light and shadows. The extremely gentle slope of the roofline stretches the appearance of the sides even more and visually strengthens the imposing presence of the BMW 4 Series Gran Coupé. The taut and smooth appearance of the side windows, with a B column finished in high-gloss black that is nearly invisible, makes a homogeneous and high-quality impression. The rear third window in the ensemble is a modern interpretation of the Hofmeister kink that is characteristic of BMW vehicles. This extended window surface allows more

light into the interior and improves the overall visibility in the rear passenger compartment.

The rear of the car features clear horizontal lines that accentuate its athletic elegance. The taillights are positioned at the outer edges to receive the swage lines, thus serving as transitional design elements that join the body side panels with the rear section of the automobile. At the same time, they highlight the wide track and powerfully flared wheel arches. When viewed from the rear, the roof of the BMW 4 Series Gran Coupé is somewhat wider than that of the two-door version and thus emphasizes the noble road presence of this premium vehicle.

Stylish elegance and sportiness dominate in the interior.

“The interior of the four-door coupé unifies the seemingly contradictory character of a dynamic two-door coupé with the elegance and utility of a BMW Saloon or a BMW Gran Turismo.”
Tim Shih, interior designer responsible for the new
BMW 4 Series Gran Coupé.

The interior of the BMW 4 Series Gran Coupé presents a stylish fusion of sporty allure and exclusivity. An approach known as layering – the intelligent utilization of space through the structuring of lines and surfaces into layers – expresses the hallmark BMW driver orientation without compromising the passenger experience. The stylish and functional elegance of the interior is highlighted by prominent round instruments with a black panel look and the free-standing flat-screen iDrive monitor. The cockpit and rear passenger compartment are visually joined by trim strips originating in the instrument panel and extending along the upper sections of the door panels into the rear, and embellished by dual-color window sills. The B column blends into the side panel design and includes flowing graphic effects across the entire surface. The side supports and slender head restraints in the rear seat are contoured for a modern, seemingly molded one-piece look that adds to the sporty character of the 4+1 seater.

The backrest can be folded in 40:20:40 configurations to create more luggage and stowage space as required – with a flat floor for easy loading and unloading. When the seat is completely folded down, the maximum volume capacity is 1,300 liters. If only the center segment is utilized, four people can ride comfortably while transporting long and bulky items like snowboards, skis, etc. When not folded down, this middle section provides space for two cup holders. An optional feature is the Smart Opener, which automatically opens

the boot lid via gesture control – namely a foot movement underneath the rear bumper when arms are full carrying groceries, packages, etc.

Exclusive: three equipment packages, the BMW Individual program and the BMW M Sport package.

The premium ambience of the BMW 4 Series Gran Coupé results from exclusive colors, high-quality and rich material combinations along with special equipment packages for a customized look. In addition to the standard equipment, which highlights the classic character of the vehicle, three equipment “lines” as well as the exclusive BMW Individual program and the M Sport package are available. These optional packages endow each BMW 4 Series Gran Coupé with a particular character and identity by embellishing the interior and exterior of the vehicle. Modern, Sport and Luxury lines offer various renditions of the following elements in contrast to the basic standard equipment: appearance and color of the kidney grille and air intakes, Air Breathers and mirror covers, side window design, front and rear apron trim, door sill finishers, side emblems and an interior center stack finished in high-gloss black.

For an extraordinary appearance, the BMW Individual program offers fine leather for the interior and instrument panel, exclusive wood trims and special door sill finishers. Four special exterior colors, in addition to the Individual program features, as well as 19-inch light-alloy wheels complete the list of options in this package.

To make the strongest dynamic statement, the M Sport package is also available at model launch with special body elements, exterior colors, light-alloy wheels, and interior variants in both cloth and leather.

Sport Line: In this optional equipment line, special body elements are highlighted in black. The subtle B column and the nine slats in the chrome-colored kidney grille have a high-gloss black finish, whereas the side window elements are finished in matt black. The air intakes in the front spoiler and the Air Breathers in high-gloss black draw attention to the aerodynamic elements of the BMW 4 Series Gran Coupé. The sporty look is enhanced even more with 18-inch or 19-inch light-alloy wheels with a dynamic double-spoke design. The rear is also distinguished by dark elements. A black trim strip and a tailpipe embellisher finished in black chrome stand for sporty dynamics. The interior, by contrast, expresses sporty flair with red accents. For example, the inner rings of the dash instruments and contrast stitching on the steering wheel are red. This character can be highlighted even further in the BMW 4 Series Gran Coupé with additional options such as Coral Red leather sport seats, red exterior mirror covers and a red instrument cluster.

Luxury Line: Bright chrome that highlights subtle accents contributes to the exceptionally elegant character of the vehicle. The 11 grille slats with chrome-colored fronts and the bright dual crossbar in the front apron's air intakes are very classy touches. The Air Breathers and high-gloss chrome window details add to the appealing look. Light-alloy wheels – 18-inch or 19-inch – with an intricate multi-spoke design reflect pure extravagance. From the rear, the BMW 4 Series Gran Coupé can be identified by the tailpipe, horizontal trim strip in the rear apron and the Luxury Line emblem all finished in high-gloss chrome.

Chrome accents also harmonize with the luxurious interior. The enclosure surrounding the audio system and air conditioning controls, as well as the circular rings highlighting the instrumentation, are eye-catching touches. Premium leather, finely crafted with precise stitching, with a choice of two upholstery variants in four classic and elegant colors such as Saddle Brown, underline the exclusivity of the Luxury Line.

Modern Line: High-quality, satin-finished aluminum exterior trim elements define the contemporary aesthetics of the Modern Line. The 11 slats in the kidney grille, the edges of the outer air intakes in the front apron, the window trim, the Air Breathers and the horizontal trim line at the rear are composed of satin-finished aluminum that stands for understated, harmonious elegance. The modern body style is complemented by optional 18-inch or 19-inch light-alloy wheels having a turbine-like appearance. The light-colored dashboard coupled with a steering wheel in Dark Oyster creates a very special feeling of luxurious space. Contrasting materials, with leather upholstery or cloth combined with leather accents in Oyster or Black, and a choice of four trim surfaces with accent strips in Pearl Gloss Chrome, add to the appeal of the interior.

BMW Individual program: At model launch, the BMW 4 Series Gran Coupé can be delivered with fine leather interiors, exquisite wood trims and a choice of wheels that address the exclusive tastes of every owner.

Upholstery options in seven colors for seating and the dash, with special contrasting stitching, are offered in this equipment package along with a leather steering wheel in Merino Black and special door sill finishers with "Individual" lettering. The Individual program also includes four exclusive exterior finishes and 19-inch light-alloy wheels that enhance the vehicle from all angles.

M Sport package: The technology, functions and extraordinary driving dynamics that distinguish every BMW automobile are also evident in the DNA of the BMW 4 Series Gran Coupé. Of course, these can be augmented with the M Sport package which is available at model launch. This equipment package is comprised of elements that emphasize street performance – for example, aerodynamic features like the large air intake up front, the diffuser insert in the rear bumper and rocker panel trim matching the color of the vehicle. The characteristic M styling of the 18-inch and 19-inch light-alloy wheels adds to the bold impression. Six exterior colors are offered in the M Sport package, including Carbon Black Metallic and Estoril Blue Metallic, which are exclusive choices for this package of options.

Inside the car, features such as M door sill finishers, an M leather steering wheel and an M driver's footrest shape the sporty yet elegant ambience. The driver and front passenger can settle into the dynamic-looking and elegant sport seats upholstered with a Hexagon/Alcantara combination with M piping and Royal Blue contrast stitching. Full leather upholstery can be ordered for even more interior refinement.

Technical features of this package include M Sport suspension and the optional M Sport brakes in contrasting blue paint finish.

3. Powertrain. Efficient and powerful engines.



The new BMW 4 Series Gran Coupé offers a choice of five powerful, cultivated and efficient engines. All diesel and petrol engines feature the latest BMW TwinPower Turbo technology and comply with the EU6 emissions standard. The range includes the high-end engine – the six-cylinder petrol engine in the BMW 435i Gran Coupé – as well as two light and powerful four-cylinder power plants in the BMW 428i Gran Coupé and in the BMW 420i Gran Coupé. In addition to these petrol engines, diesel engines with two liters of displacement are offered for the BMW 418d Gran Coupé and the BMW 420d Gran Coupé. Both of these diesel engines are remarkably dynamic, powerful and efficient when it comes to fuel consumption.

The power from the engines is delivered to the rear wheels via the precision six-speed manual transmission as standard. BMW also offers all engine variants with an eight-speed Steptronic or an eight-speed sport Steptronic transmission as options. All transmissions feature the Auto Start Stop function.

At model launch, the BMW 428i Gran Coupé and 420d Gran Coupé can be optionally equipped with BMW xDrive intelligent all-wheel drive technology.

Petrol engines with BMW TwinPower Turbo technology.

The performance and torque delivered by ultramodern BMW petrol engines is due in large part to TwinPower Turbo technology. This technology includes innovative solutions such as high-precision direct injection, a turbocharger operating according to the Twin-Scroll principle, double VANOS variable camshaft timing and VALVETRONIC variable valve control. The low-friction engines are also equipped with an aluminum crankcase. This technology package is unrivalled worldwide and combines high performance with utmost efficiency.

BMW 435i Gran Coupé: six-cylinder petrol engine with bold performance, powerful torque and silken smoothness.

The large-displacement, six-cylinder engine in the new BMW 4 Series Gran Coupé delivers cultivated power with high-revving characteristics and extraordinary smoothness. The 3.0-liter power plant delivers 225 kW/306 hp between 5,800 rpm and 6,000 rpm, thus contributing to the sovereign dynamics of the new Gran Coupé. Peak torque of 400 Nm (295 lb-ft) is

generated as low down as 1,200 rpm and remains on tap up to 5,000 rpm. The new BMW 435i Gran Coupé sprints from 0 to 100 km/h (62 mph) in just 5.5 seconds and has an electronically limited top speed of 250 km/h (155 mph). The six-cylinder unit belies its impressive performance with extremely low fuel consumption and emissions figures. Average fuel consumption is between 8.1 and 8.3 liters per 100 kilometers, and CO₂ emissions range from 189 to 193 grams per kilometer (ECE test cycle, depending on the tire format specified). In conjunction with the eight-speed Steptronic transmission, the new BMW 435i Gran Coupé is very thrifty: The combined fuel consumption is just 7.5 – 7.6 liters per 100 kilometers, while CO₂ emissions are pinned to between 174 and 178 grams per kilometer. The sprint from 0 to 100 km/h takes 5.2 seconds.

BMW 428i Gran Coupé: four cylinders and the ideal balance between sportiness and efficiency.

Superior performance, spirited power development, high-revving characteristics and low weight: These are the qualities of the innovative four-cylinder petrol engine in the BMW 428i Gran Coupé that ensure a perfect balance between dynamic performance and efficiency. The BMW TwinPower Turbo engine combines high-revving characteristics and high-performance output with low fuel consumption and reduced emissions. The 2.0-liter engine delivers a maximum power output of 180 kW/245 hp, which is reached between 5,000 and 6,500 rpm. Peak torque of 350 Nm (approx. 258 lb-ft) is generated between 1,250 rpm and 4,800 rpm. The new BMW 428i Gran Coupé sprints from 0 to 100 km/h in just 6.1 (6.1) seconds and has an electronically limited top speed of 250 km/h (155 mph). Average fuel consumption is between 6.6 and 6.7 liters per 100 kilometers, and CO₂ emissions range from 154 to 156 grams per kilometer (ECE test cycle, depending on the tire format specified). When equipped with the eight-speed Steptronic transmission, the BMW 428i Gran Coupé is even more frugal, consuming only 6.3 to 6.4 liters per 100 kilometers at CO₂ emission levels of 147 to 149 grams.

BMW 420i Gran Coupé: standard petrol engine with high performance and low consumption.

Like the BMW 428i, the engine in the BMW 420i Gran Coupé is a low-friction 2.0-liter power plant. This four-cylinder petrol engine generates maximum output of 135 kW/184 hp at 5,000 rpm and peak torque of 270 Nm (approx. 199 lb-ft) at 1,250 rpm. Thus the new BMW 420i Gran Coupé sprints from 0 to 100 km/h in just 7.5 (7.6) seconds and has an electronically limited top speed of 236 km/h (approx. 146 mph). Average fuel consumption is between 6.4 and 6.6 liters per 100 kilometers, and CO₂ emissions range from 149 to 153 grams per kilometer (ECE test cycle, depending on the tire format

specified) – even better results are achieved with the eight-speed Steptronic transmission: 6.1 to 6.3 liters per 100 kilometers and 142 to 146 grams per kilometer.

Diesel engines with BMW TwinPower Turbo technology.

All the diesel engines available for the new BMW 4 Series Gran Coupé feature ultramodern BMW TwinPower Turbo technology. The latest-generation common rail direct injection technology, turbochargers with variable turbine geometry, precise solenoid valve injectors and an aluminum crankcase ensure impressive punch and smoothness, combined with outstanding efficiency. In their design and quality, these BMW diesel engines set the latest standards in engine technology and development.

BMW 420d Gran Coupé: four-cylinder diesel with high output and smooth performance.

The new BMW 420d Grand Coupé with the latest-generation four-cylinder diesel engine is impressive with its imposing torque, exceptional smoothness and outstanding efficiency. With maximum output of 135 kW/184 hp at 4,000 rpm and peak torque reaching 380 Nm (approx. 280 lb-ft) between 1,750 and 2,750 rpm, the new BMW 420d Gran Coupé displays an extremely dynamic turn of pace. The sprint from 0 to 100 km/h takes just 7.7 seconds (automatic transmission: 7.5 seconds), and the top speed of this agile diesel engine is clocked at 236 km/h (approx. 146 mph). Combined fuel consumption (ECE test cycle) of between 4.7 and 4.9 liters per 100 kilometers and CO₂ emissions of 124 – 128 grams per kilometer represent the compelling economy delivered by the BMW 420d Gran Coupé. The optional eight-speed Steptronic transmission adds more comfort and convenience and reduces consumption even further: 4.6 to 4.7 liters per 100 kilometers and CO₂ emissions of 121 – 124 grams per kilometer.

BMW 418d Gran Coupé: a diesel that is agile and very economical.

High performance and torque characterize this basic standard diesel, which shares the same design with the 2.0-liter engine that powers the BMW 420d. In the BMW 418d Gran Coupé, this diesel engine generates maximum output of 105 kW/143 hp at 4,000 rpm and peak torque of 320 Nm (approx. 263 lb-ft) between 1,750 rpm and 2,500 rpm. The sprint from 0 to 100 km/h takes just 9.2 seconds (automatic transmission: 9.1 seconds), and even with a top speed of 213 km/h (approx. 132 mph) the BMW 418d Gran Coupé is very thrifty when it comes to fuel – equipped with manual or automatic (Steptronic) transmissions, the engine consumes an average of 4.5 to 4.7 liters per 100 kilometers (depending on tire format). The corresponding CO₂ emissions are between 119 and 124 grams per kilometer.

BMW xDrive: intelligent all-wheel drive for two engine variants.

At model launch, the BMW 428i Gran Coupé and 420d Gran Coupé can be optionally equipped with BMW xDrive intelligent all-wheel drive technology as an alternative to classic rear-wheel drive. In addition to the typical all-wheel drive benefits, such as optimal transmission of engine power to the road, outstanding traction and maximum safety, BMW xDrive reduces understeering and oversteering in curves and thus contributes to agile and precision handling, especially when entering into and accelerating out of curves. The all-wheel system even compensates for sudden load shifts with ease – drivers will immediately feel the dynamic qualities of the new BMW 4 Series Gran Coupé.

New engine variants in summer 2014:

BMW 435d xDrive Gran Coupé, BMW 430d Gran Coupé and more BMW xDrive options.

This year BMW is extending its range of engines for the new BMW 4 Series Gran Coupé by adding two powerful diesels to the lineup. The top diesel variant is the six-cylinder engine in the BMW 435d xDrive Gran Coupé, delivering 230 kW/313 hp and maximum torque of 630 Nm (approx. 465 lb-ft). The eight-speed Steptronic transmission and intelligent xDrive all-wheel drive are standard equipment on this model and are ideally suited for harnessing the performance and enormous power output of this engine to ensure smooth and comfortable mobility. The six-cylinder engine in the BMW 430d Gran Coupé has an output of 190 kW/258 hp and develops a maximum torque of 560 Nm (approx. 413 lb-ft). Here, too, gear changes are the work of the eight-speed Steptronic transmission. BMW xDrive all-wheel drive can be ordered as an option. In the summer of 2014, this will also apply to the BMW 435i Gran Coupé and 420i Gran Coupé.

Six-speed manual transmission is standard equipment.

The six-speed manual transmission easily handles sporty driving styles as well as relaxed cruising. Smooth and precise shifting, along with optimal gear ratios, is typical of BMW automobiles and adds to the joy of driving the BMW 4 Series Gran Coupé. What's more, the low-friction design of the transmission reduces fuel consumption.

Eight-speed Steptronic or eight-speed sport Steptronic as options.

Fast gear changes and outstanding shift comfort are qualities delivered by the eight-speed Steptronic transmission. Extra shift phases keep increases in rpm small between gear changes, and that contributes to optimal transmission of engine power in every driving situation. Numerous technological innovations and a remarkably high degree of internal efficiency ensure that fuel consumption and emissions do not rise, even in comparison with a manual transmission. In combination with petrol engines, these eight-speed

Steptronic transmissions reduce emissions even more. The intelligent management and control technology also results in extremely short shifting and response times, along with direct gear engagement.

Also available for the new BMW 4 Series Gran Coupé is the eight-speed sport Steptronic transmission for even more dynamic performance. This optional transmission is aimed at drivers who prefer a sporty, “hands-on” experience – they can rely on automatic shifting or manually change gears themselves by using shift paddles on the steering wheel. Normal Mode and Sport Mode are selected with the Driving Experience Control on the center console.

4. Driving dynamics/ BMW EfficientDynamics. Athletically agile and highly efficient.



The new BMW 4 Series Gran Coupé owes a perfect balance between supreme driving dynamics and outstanding comfort first and foremost to its finely tuned suspension technology. Moreover, a weight-optimized and exceptionally stiff body structure ensures that the new four-door model variant also fulfils the highest demands in terms of precision and agility, hence offering a brand-typical, active driving experience.

Elaborate suspension technology for the highest degree of comfort, typical BMW handling characteristics, steering and driving precision.

Rear-wheel drive, steering free from drivetrain influences and well-balanced 50:50 axle load distribution create the ideal preconditions for dynamic performance, excellent directional stability and agile handling characteristics. A low center of gravity, a meticulously tuned suspension setup and an intelligent lightweight construction concept result in a first-class overall package that combines seemingly contradictory qualities such as maximum dynamics and outstanding riding comfort in a unique way.

The BMW 4 Series Coupé provides the basis for sporting performance.

The suspension of the new BMW 4 Series Gran Coupé is modeled on that of the two-door model variant and has the corresponding dimensions. The wheelbase measures 2,810 millimeters, the track width 1,545 millimeters at the front and 1,594 millimeters at the rear (418d: 1,557/1,605 millimeters front/rear; xDrive variants 1,544/1,590 millimeters front/rear). Whilst the axle and elasto kinematics correspond to that of the BMW 4 Series Coupé, suspension and damping were aligned exclusively to the four-door version.

Lastly, specific car body reinforcement measures and an innovative strut concept within the front and rear sections of the vehicle help to enhance steering precision and response. Nevertheless, the four-door coupé is only marginally heavier than the two-door variant and even lighter than its competitors. Consequently, the new BMW 4 Series Gran Coupé is characterized by supreme driving dynamics, agile handling characteristics and a high level of precision. Notwithstanding this, riding comfort does not suffer in any way, so the dynamic four-door car presents itself as a vehicle that is completely suitable for everyday use.

Aluminum double-joint spring-strut axle at the front.

The front axle of the new BMW 4 Series Gran Coupé is based on the tried and tested double-joint spring-strut aluminum construction, which combines maximum stiffness with minimum weight and significantly reduces unsprung masses. Furthermore, a torsion bar located between the front axle support and the sill creates an overall stiffer connection between the front wheels and the vehicle. Models with BMW xDrive all-wheel drive technology feature a special combination comprising a load-bearing strut and transverse brace. Moreover, a further strut connecting the suspension domes and the bulkhead significantly enhances the stiffness of the front end. Therefore, the new BMW 4 Series Gran Coupé responds very directly to the driver's steering inputs, resulting in sporty and agile handling and allowing the car to corner effortlessly and with the highest degree of precision.

All-rounder: five-arm rear axle for comfort and active driving.

The rear axle of the new BMW 4 Series Gran Coupé plays a critical role in boosting the car's dynamic ability and motoring comfort. The proven five-arm concept, extra-wide mounts and supports on the wheel carriers for track and camber, slightly repositioned pivot points, ultra-stiff control arms and axle subframes, and the use of thrust arms to connect the suspension with the body all provide an excellent basis for an extremely sporty overall set-up combined with excellent comfort characteristics. On models with a sunroof, additional torsion bars ensure increased body stiffness at the rear. As a result, the rear axle guarantees precise wheel guidance, maximum directional stability and exemplary comfort characteristics.

Servotronic as standard, variable sports steering as an option.

The new BMW 4 Series Gran Coupé features as standard EPS Electric Power Steering including a Servotronic function. The system provides speed-sensitive power assistance and the clearly defined mapping results in sharper steering feel and feedback. The new BMW 4 Series Gran Coupé can be equipped with variable sports steering as an option. This uses different steering ratios depending on the amount of lock applied. Only a small amount of steering effort is required for maneuvering, for example, while unbeatable tracking and straightline stability at high speeds are guaranteed.

High-performance and lightweight brake system.

The new BMW 4 Series Gran Coupé comes equipped with powerful swing-caliper or fixed-caliper brakes and large, inner-vented brake discs. The calipers on the front axle are made of aluminum. As well as boasting low unsprung masses, the brakes also stand out with their superior heat tolerance, excellent wet braking performance, ease of use and excellent feel. A brake pad wear indicator and the Brake Drying function are standard on all models.

Intelligent lightweight construction: reduced weight, maximum stability.

The weight optimization of all components significantly influences the dynamic performance of the new BMW 4 Series Gran Coupé. Intelligent lightweight design, a complex bodywork construction and the innovative strut concept all provide a level of body stiffness that is on par with that of the two-door model variant. This is why the four-door Gran Coupé impresses with unmatched levels of agility and precision. The use of high-strength and extra-high-strength multi-phase steel as well as tailored blanks – customized precision components for specific applications – maximizes the degree of stability at an optimized weight. Crucial, stiffness-enhancing components are made of micro-alloyed steel. As a result, the BMW 4 Series Gran Coupé features an extremely torsion resistant body that matches that of the two-door model variant.

Aerodynamics: clever detail solutions for reducing consumption.

The reduction of air resistance enhances driving dynamics and reduces consumption. Optimization measures on the front apron and at the rear as well as the streamlined, smooth-surfaced underbody help the new BMW 4 Series Gran Coupé achieve a remarkable aerodynamic drag coefficient (C_d) of 0.274. For example, the BMW Air Curtains in the front apron generate a veil of air that reduces turbulence – and therefore drag – around the front wheels. In order to further optimize driving dynamics, the new BMW 4 Series Gran Coupé features aerodynamically designed wheel arches and air lips positioned in front of them. The Air Breathers positioned rearwards of the front wheel arches divert some of the air flowing through the wheel arches, thereby reducing air resistance.

Adaptive suspension, M Sport suspension and M Sport brakes.

An M Sport suspension with a firmer spring/damper set-up and more robust stabilizers for the front and rear axles is available as an option for the new BMW 4 Series Gran Coupé, and can also be ordered separately from the M Sport package. 18-inch or 19-inch M light alloys are also included in this particular case. Alternatively, customers may prefer to specify adaptive suspension – with its focused sporting set-up and electronically controlled dampers – which adjusts the damper mapping to the road surface and driving situation at hand. Moreover, BMW offers an extra-light M Sport brake system for the new Gran Coupé. The team of aluminum fixed calipers (four-piston at the front, two-piston at the rear) and generously sized discs provide ideal preconditions for very short stopping distances.

Sportier, more comfortable or more efficient at the push of a button.

In addition to superior driving dynamics, the new BMW 4 Series Gran Coupé convinces with a high level of motoring comfort. Using the ECO PRO mode, the driver can change the vehicle's overall characteristic according to each driving situation or personal preference to either a sporty or comfortable setting. Accelerator pedal progression, engine response, power steering characteristics and response thresholds of DSC Dynamic Stability Control are influenced by this. The system also interacts with the Steptronic transmission and the optional Dynamic Damper Control. Drivers can select their desired mode – ECO PRO, COMFORT, SPORT or even SPORT+ when they opted for at least one of the following options: 8-speed sport Steptronic transmission, M Sport package, Sport Line, adaptive M suspension or variable sports steering. Each of these predefined set-ups activates different settings for the relevant powertrain and suspension components.

BMW EfficientDynamics: better performance, better fuel economy.

Impressive performance coupled with exemplary efficiency is based on the BMW EfficientDynamics development strategy, the results of which are implemented in almost all areas on the BMW 4 Series Gran Coupé. The optimized fuel economy of the petrol and diesel engines, transmissions delivering a high level of efficiency, the intelligent lightweight construction concept, honed aerodynamics and other efficiency-enhancing technologies incorporated into the new BMW 4 Series Gran Coupé all help to optimize driving dynamics, whilst at the same time reducing consumption and emissions.

Package of measures to consistently reduce emissions and increase the pleasure of driving.

The new BMW 4 Series Gran Coupé features as standard an Auto Start Stop function to bring about additional economy advantages.

Brake Energy Regeneration, which is also a standard feature, ensures that the generation of electric current for the onboard electrical systems concentrates on the overrun and braking phases. ECO PRO mode in particular helps the driver of the new BMW 4 Series Gran Coupé to achieve the best possible fuel efficiency. ECO PRO influences the engine control unit and the characteristic curve of the accelerator pedal. In addition, it contributes to intelligent energy and climate management. The driver is also provided with tips on how to reduce energy consumption even further for the best possible motoring efficiency.

In conjunction with the Steptronic transmission, the new BMW 4 Series Gran Coupé also features a coasting mode. At speeds of between 50 and 160 km/h (31 and 99 mph), in ECO PRO mode, the drivetrain is disconnected

as soon as the driver lifts his/her foot from the accelerator pedal. As a result, the BMW 4 Series Gran Coupé vehicle is able to 'sail' without engine power, thereby also achieving maximum fuel efficiency. In conjunction with the optional Navigation System Professional, the driver is supported, if desired, by the anticipation assistant. This system provides timely information on the road ahead at an early stage and takes into account speed limits, bends in the road, built up areas and roundabouts. On the basis of this data, the system can give the driver tips on fuel-efficient driving and adjust the shift program of the automatic transmission accordingly.

The ancillary units are also incorporated into the intelligent energy management system of the new BMW 4 Series Gran Coupé. Examples include the demand-controlled coolant pump, the map-controlled oil pump as well as electromechanical power steering, whose electric motor only uses energy when power steering is required. The same is true for the disengageable air-conditioning compressor which reduces the system's power loss to a minimum.

Intelligent lightweight construction reduces consumption and CO₂ emissions.

Systematic lightweight construction plays a major part in increasing efficiency and agility. This concept is applied in all areas of development and comprises all components. The targeted utilization of plastics, state-of-the-art composites and the increased deployment of aluminum components in the manufacture of engines and suspensions have helped reduce the weight of the corresponding assembly groups. All these measures have a very positive effect on the BMW 4 Series Gran Coupé's driving dynamics.

5. **BMW ConnectedDrive.** **Comfort, safety, infotainment and entertainment.**



The networking of driver, vehicle and the outside world with new assistance systems and information and entertainment features is increasingly enhancing safety and comfort within the vehicle. BMW was early in recognizing the significance of networking and began integrating the digital world in its cars many years ago. The BMW ConnectedDrive systems offered in the BMW 4 Series Gran Coupé either as standard or as an optional extra underline the technological leadership. The extraordinarily high level of development in mobile automotive communication is reflected in the fact that even after purchasing a BMW, customers can, for a limited period of time, flexibly order and subscribe to a wide range of technologies and services.

Navigation System Professional: operation with touch controller.

The latest generation of the Navigation System Professional has a significantly greater breadth of functionality and a high-resolution, contrast-rich, color display. The graphics of the previous user interface have been completely revised and the navigation system's maps now have 3D elements. The central Control Display is operated in the familiar way using the ergonomically perfectly positioned iDrive touch controller in the center console, which now has an integral new, touch-sensitive surface and proximity sensor technology for even more convenient use. Users can use their finger to write characters or to enter destinations in the navigation system. They can now choose between using their handwriting or conventionally entering the destinations by rotating and pressing the controller.

Head-Up Display: full-color, high-resolution.

In the BMW 4 Series Gran Coupé, all information relevant to the driver is presented by the Head-Up Display directly in the driver's line of vision. The information from the assistance systems, the navigation system or information pertaining to speed is projected onto the windscreen in a particularly brilliant resolution using the full color spectrum. The wide variety of driver assistance systems now available brings the amount of information that can be shown in the Head-Up Display to a whole new level.

Real Time Traffic Information: the smart way to avoid congestion.

The quality of traffic management depends on the quality and currentness of traffic data available. The optional RTTI (Real Time Traffic Information) system from BMW transmits data fast and accurately via the mobile phone network. A

SIM card integrated in the vehicle receives traffic data in real time and then calculates routes or detours instantly. RTTI covers motorways and dual carriageways, as well as country roads and main and side roads in urban areas. Data is additionally obtained from local authority traffic management systems to provide precise information on traffic density.

Driving Assistant warns the driver of potential collisions – including those involving pedestrians.

The Driving Assistant Plus uses intelligently networked camera-based assistant systems and image processing to detect any people or vehicles within its field of vision. The movements of pedestrians are difficult to anticipate – they stop or suddenly change direction. Therefore, they impose much higher demands on the detection capabilities of assistant systems than vehicles driving ahead. When the system recognizes a looming risk of collision, it produces an acute audible warning and a visual signal appears in the instrument cluster or the Head-Up Display to alert the driver that he or she is drawing too close. The system ideally avoids a collision or, should the worst come to the worst, significantly reduces the consequences of an impact.

Active Cruise Control with Stop & Go function: a system of many talents.

More active safety and more comfort are provided by the latest version of BMW's Active Cruise Control with Stop & Go function (ACC Stop&Go). It uses the data provided by the full-range radar sensors, continuously measures the proximity of the vehicle ahead and warns the BMW driver if necessary. Active Cruise Control with automatic distance control is now available at speeds between 30 km/h and 210 km/h (approx. 18 and 130 mph).

Lane Change and Lane Departure Warning systems use sensors and camera monitoring.

Lane Change Warning and Lane Departure Warning are convenience and safety-enhancing assistance systems. These systems employ radar sensors and use the data from the front camera to alert drivers to potential collision risks when changing lanes or if they veer out of lane unintentionally and also issue a warning when driving too close to the vehicle ahead. The Lane Departure Warning system is only available as part of the Driving Assistant option.

Speed Limit Info: always up to date.

In conjunction with the Navigation System Professional and the Navigation System Business, Speed Limit Info helps to keep the driver informed of the speed limit for the current stretch of road. The front-mounted camera ensures that additional signs or variable overhead gantry signs are

taken into account. In addition, the system is able to reliably identify and react to temporary speed limits. When the window wipers are active, the system also detects signs that are valid in wet conditions only. In conjunction with the exact onboard time, speed limits are presented which are only in force at certain times of day or night.

Improved sight at night: full LED headlights with glare-free High Beam Assistant.

The bright white light emitted by full LED headlights illuminates the road ahead with an exceptional intensity. With high beam activated, the High Beam Assistant partially masks the headlights as required in order to eliminate the danger of dazzling vehicles as they approach. The High Beam Assistant can also adapt to the traffic situation by switching to low beam on one or both sides. In conjunction with the front camera, the system reliably detects well lit stretches of road and switches to low beam when passing through cities, for example. The LED headlights with glare-free High Beam Assistant significantly increase the usage of high beam and therefore provide for better sight and increased safety when driving at night. When full LED headlights are fitted, the optional fog lights are also implemented in LED technology, which further accentuates the premium character of the car's features and equipment.

Superb overview and convenient parking.

In addition to the rear view camera and PDC Park Distance Control, customers can also opt for the Surround View function with Side View and TopView, which provides a bird's eye view of the BMW 4 Series Gran Coupé and the area around it, enabling the driver to carry out precise maneuvers in tight spaces. If the car is moving at under 20 km/h (approx. 12 mph), the Side View function can additionally be activated to allow the driver to keep an eye on cross traffic. Convenience is further enhanced by the BMW Parking Assistant system which is able to maneuver the car into parking spaces parallel to the direction of travel. Ultrasound sensors detect possible parking spaces while driving by and the system perfectly maneuvers the car into the parking spot if desired. All the driver has to do is to change between the forward and reverse gear, use the accelerator and the brake pedal, respectively. This way he or she can fully focus on the parking process.

Active Protection: increased safety in all situations.

The Active Protection safety package with extended protection measures and the Emergency Call function with automatic vehicle location help to mitigate the consequences of an accident, should the worst come to the worst. Active Protection is activated shortly after the journey begins, ready to pull the driver and front passenger belts tight and close the side windows if the car

enters a critical pre-crash scenario. If the system detects an impending collision and senses that a crash is unavoidable, the car will be decelerated automatically and held at a standstill with its brakes locked. This significantly reduces the likelihood of – or entirely forestalls – a second collision. The Active Protection safety package is now even more extensive thanks to the addition of the Attentiveness Assistant. The system's electronics analyze driving behavior on the basis of various onboard signals. If the system detects an increased frequency in the tell-tale signs of fatigue build-up, the Control Display prompts the driver to take a break by displaying a coffee cup symbol.

Services and apps: innovative services and infotainment in its purest form.

Due to the ever-increasing popularity of smartphones and other digital devices, Internet, apps and digital services have been an integral of everyday life for some time now. BMW ConnectedDrive offers high-performance interface technology and provides top-of-the-range infotainment and entertainment capability that enables the driver and passengers to make extensive use of external mobile phones and music players. Through the optional ConnectedDrive Services, the world of apps can be integrated into the vehicle. Browser-based BMW online applications are loaded directly into the vehicle via an embedded onboard SIM card. These applications put at the driver's disposal online services such as weather, news or office functions. Smartphone apps allow in-car use of innovative services like Audible, Aupeo!, Deezer, Twitter or Facebook.

The latest-generation Navigation System Professional features a full speech recognition function and an optimized voice control system to complete the portfolio of office functions offered by BMW ConnectedDrive. The full speech recognition system enables drivers to dictate text freely and compose short text-based messages by voice. In addition, Internet-based services, as well as calendar entries and text-based messages, can still be viewed in the Control Display of the iDrive operating system and read out via the Text to Speech function.

6. Specifications.

The new BMW 4 Series Gran Coupé. 420i.



		BMW 420i
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4638/1825/1389
Wheelbase	mm	2810
Track, front/rear	mm	1545/1594
Ground clearance	mm	130
Turning circle	m	11.3
Fuel tank capacity	app l	60
Cooling system incl heater	l	7.6
Engine oil ¹⁾	l	5.0
Weight, unladen, to DIN/EU	kg	1480/1555 (1505/1580)
Max load to DIN	kg	560
Max permissible	kg	2040 (2065)
Max axle load, front/rear	kg	920/1195
Max trailer load (12%), braked/unbraked	kg	1400/695 (1500/695)
Max roofload/max towbar downl	kg	75/75
Luggage comp capacity	l	480–1300
Air drag	C _d x A	0.29 x 2.16
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Petrol Injection
Capacity, effective	cc	1997
Stroke/bore	mm	90.1/84.0
Compression ratio	:1	11.0
Fuel		min. ROZ 91
Max output	kW/hp	135/184
at	rpm	5000–6250
Max torque	Nm/lb-ft	270
at	rpm	1250–4500
Electrical System		
Battery/installation	Ah/–	90/Luggage compartment
Alternator	A/W	170 ³⁾
Driving Dynamics and Safety		
Suspension, front		Aluminum double-joint spring strut axle with displaced camber
Suspension, rear		Five-link axle in lightweight steel construction
Brakes, front		Single-piston floating-caliper disc brakes/vented
Brakes, rear		Single-piston floating-caliper disc brakes/vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front
Steering		Electric Power Steering (EPS)
Steering transmission, overall	:1	15.0
Tires, front/rear		225/50 R17 94W
Rims, front/rear		7.5J x 17 Light Alloy

BMW 420i

Transmission

Type of transmission	Six-speed manual (optional: eight-speed Steptronic)		
Gear ratios	I	:1	3.498 (4.714)
	II	:1	2.005 (3.143)
	III	:1	1.313 (2.106)
	IV	:1	1.000 (1.667)
	V	:1	0.809 (1.285)
	VI	:1	0.701 (1.000)
	VII	:1	----- (0.839)
	VIII	:1	----- (0.667)
	R	:1	3.187 (3.295)
Final drive		:1	3.077 (3.154)

Performance

Power-to-weight ratio	kg/kW	11.0 (11.1)
Output per liter	kW/l	67.6
Acceleration 0–100 km/h	sec	7.5 (7.6)
Standing-start km	sec	³⁾
In 4th/5th gear 80–120 km/h	sec	³⁾ 9.4 (-)
Top speed	km/h	236 (236)

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized warm-up behavior, tires with reduced rolling resistance
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Fuel Consump in the ECE test cycle²⁾

Cycle Standard Wheels:		
Urban	l/100 km	8.7 (8.2)
Extra-urban	l/100 km	5.1 (4.9)
Combined	l/100 km	6.4 (6.1)
CO ₂	g/km	149 (142)
Emission rating		EU6

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

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

The new BMW 4 Series Gran Coupé. 428i, 428i xDrive, 435i.

		BMW 428i	BMW 428i xDrive	BMW 435i
Body				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4638/1825/1389	4638/1825/1404	4638/1825/1389
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1545/1594	1544/1590	1545/1594
Ground clearance	mm	130	145	130
Turning circle	m	11.3	11.8	11.3
Fuel Tank capacity	app l	60	60	60
Cooling system incl heater	l	7.6	7.6	7.2
Engine oil ¹⁾	l	5.0	5.0	6.5
Weight, unladen, to DIN/EU	kg	1510/1585 (1530/1605)	1580/1655 (1595/1670)	1575/1650 (1585/1660)
Max load to DIN	kg	560	560	560
Max permissible	kg	2070 (2090)	2140 (2155)	2135 (2145)
Max axle load, front/rear	kg	930/1210	990/1220	985/1220
Max trailer load (12%), braked/unbraked	kg	1600/745	1700/750	1700/750
Max roofload/max towbar downl	kg	75/75	75/75	75/75
Luggage comp capacity	l	480–1300	480–1300	480–1300
Air drag	C _d x A	0.29 x 2.16	0.30 x 2.16	0.29 x 2.16
Power Unit				
Config/No of cyls/valves		In-line/4/4	In-line/4/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Petrol Injection		
Capacity, effective	cc	1997	1997	2979
Stroke/bore	mm	90.1/84.0	90.1/84.0	89.6/84.0
Compression ratio	:1	10.0	10.0	10.2
Fuel		min. ROZ 91	min. ROZ 91	min. ROZ 91
Max output	kW/hp	180/245	180/245	225/306
at	rpm	5000–6500	5000–6500	5800–6400
Max torque	Nm/lb-ft	350	350	400
at	rpm	1250–4800	1250–4800	1200–5000
Electrical System				
Battery/installation	Ah/-	90/Luggage compartment	90/Luggage compartment	90/Luggage compartment
Alternator	A/W	170 ²⁾	170 ²⁾	170 ²⁾
Driving Dynamics and Safety				
Suspension, front		Aluminum double-joint spring strut axle with displaced camber		
Suspension, rear		Five-link axle in lightweight steel construction		
Brakes, front		Single-piston floating-caliper disc brakes/vented		
Brakes, rear		Single-piston floating-caliper disc brakes/vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (428i xDrive), Dry Braking function, Fading Compensation, Start-Off Assistant		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front		
Steering		Electric Power Steering (EPS)	Hydraulic Power Steering	Electric Power Steering (EPS)
Steering transmission, overall	:1	15.0	15.2	15.0
Tires, front/rear		225/50 R17 94W	225/50 R17 94W	225/50 R17 94W
Rims, front/rear		7.5J x 17 Light Alloy	7.5J x 17 Light Alloy	7.5J x 17 Light Alloy

		BMW 428i	BMW 428i xDrive	BMW 435i	
Transmission					
Type of transmission	Six-speed manual (optional: eight-speed Steptronic)				
Gear ratios	I	:1	3.498 (4.714)	4.110 (4.714)	4.110 (4.714)
	II	:1	2.005 (3.143)	2.315 (3.143)	2.315 (3.143)
	III	:1	1.313 (2.106)	1.542 (2.106)	1.542 (2.106)
	IV	:1	1.000 (1.667)	1.179 (1.667)	1.179 (1.667)
	V	:1	0.809 (1.285)	1.000 (1.285)	1.000 (1.285)
	VI	:1	0.701 (1.000)	0.846 (1.000)	0.846 (1.000)
	VII	:1	----- (0.839)	----- (0.839)	----- (0.839)
	VIII	:1	----- (0.667)	----- (0.667)	----- (0.667)
	R	:1	3.187 (3.295)	3.727 (3.295)	3.727 (3.295)
Final drive		:1	3.909 (3.154)	3.385 (3.154)	3.231 (3.154)
Performance					
Power-to-weight ratio		kg/kW	8.4 (8.5)	8.8 (8.9)	7.0 (7.0)
Output per liter		kW/l	90.1	90.1	75.5
Acceleration 0–100 km/h		sec	6.1 (6.0)	5.8 (6.0)	5.5 (5.2)
Standing-start km		sec	³⁾	³⁾	³⁾
In 4th/5th gear 80–120 km/h		sec	³⁾ 7.1 (-)	³⁾ 6.8 (-)	³⁾ 6.1 (-)
Top speed		km/h	250 (250)	250 (250)	250 (250)
BMW EfficientDynamics					
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering (except for 428i xDrive), Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized warm-up behavior, tires with reduced rolling resistance				
Fuel Consump in the ECE test cycle²⁾					
Cycle Standard Wheels:					
Urban	l/100 km		8.9 (8.2)	9.0 (8.7)	11.4 (10.7)
Extra-urban	l/100 km		5.3 (5.2)	5.5 (5.5)	6.2 (5.6)
Combined	l/100 km		6.6 (6.3)	6.8 (6.7)	8.1 (7.5)
CO ₂	g/km		154 (147)	159 (157)	189 (174)
Emission rating			EU6	EU6	EU6

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

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

The new BMW 4 Series Gran Coupé. 418d, 420d, 420d xDrive.

		BMW 418d	BMW 420d	BMW 420d xDrive
Body				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4638/1825/1389	4638/1825/1389	4638/1825/1404
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1557/1605	1545/1594	1544/1590
Ground clearance	mm	130	130	145
Turning circle	m	11.3	11.3	11.8
Fuel Tank capacity	app l	57	57	57
Cooling system incl heater	l	7.0	7.0	7.0
Engine oil ¹⁾	l	5.2	5.2	5.2
Weight, unladen, to DIN/EU	kg	1490/1565 (1510/1585)	1510/1585 (1525/1600)	1585/1660 (1600/1675)
Max load to DIN	kg	560	560	560
Max permissible	kg	2050 (2070)	2070 (2085)	2145 (2160)
Max axle load, front/rear	kg	920/1200	940/1200	995/1215
Max trailer load (12%), braked/unbraked	kg	1600/745	1600/745	1600/750
Max roofload/max towbar downl	kg	75/75	75/75	75/75
Luggage comp capacity	l	480–1300	480–1300	480–1300
Air drag	C _d x A	0.27 x 2.16	0.28 x 2.16	0.29 x 2.16
Power Unit				
Config/No of cyls/valves		In-line/4/4	In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection		
Capacity, effective	cc	1995	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	105/143	135/184	135/184
at	rpm	4000	4000	4000
Max torque	Nm/lb-ft	320	380	380
at	rpm	1750–2500	1750–2750	1750–2750
Electrical System				
Battery/installation	Ah/-	90/Luggage compartment	90/Luggage compartment	90/Luggage compartment
Alternator	A/W	170 ³⁾	170 ³⁾	170 ³⁾
Driving Dynamics and Safety				
Suspension, front		Aluminum double-joint spring strut axle with displaced camber		
Suspension, rear		Five-link axle in lightweight steel construction		
Brakes, front		Single-piston floating-caliper disc brakes/vented		
Brakes, rear		Single-piston floating-caliper disc brakes/vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (420d xDrive), Dry Braking function, Fading Compensation, Start-Off Assistant		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front		
Steering		Electric Power Steering (EPS)	Electric Power Steering (EPS)	Hydraulic Power Steering
Steering transmission, overall	:1	15.0	15.0	15.2
Tires, front/rear		205/60 R16 92V	225/50 R17 94W	225/50 R17 94W
Rims, front/rear		6.0J x 16 Light Alloy	7.5J x 17 Light Alloy	7.5J x 17 Light Alloy

			BMW 418d	BMW 420d	BMW 420d xDrive
Transmission					
Type of transmission			Six-speed manual (optional: eight-speed Steptronic)		
Gear ratios	I	:1	4.323 (4.714)	4.110 (4.714)	4.110 (4.714)
	II	:1	2.456 (3.143)	2.248 (3.143)	2.248 (3.143)
	III	:1	1.659 (2.106)	1.403 (2.106)	1.403 (2.106)
	IV	:1	1.230 (1.667)	1.000 (1.667)	1.000 (1.667)
	V	:1	1.000 (1.285)	0.802 (1.285)	0.802 (1.285)
	VI	:1	0.848 (1.000)	0.659 (1.000)	0.659 (1.000)
	VII	:1	----- (0.839)	----- (0.839)	----- (0.839)
	VIII	:1	----- (0.667)	----- (0.667)	----- (0.667)
	R	:1	3.938 (3.295)	3.727 (3.295)	3.727 (3.295)
Final drive		:1	3.231 (2.813)	3.231 (2.813)	3.231 (2.813)
Performance					
Power-to-weight ratio		kg/kW	14.2 (14.4)	11.2 (11.3)	11.7 (11.9)
Output per liter		kW/l	52.6	67.7	67.6
Acceleration 0–100 km/h		sec	9.2 (9.1)	7.7 (7.5)	7.7 (7.5)
Standing-start km		sec	³⁾	³⁾	³⁾
In 4th/5th gear 80–120 km/h		sec	³⁾ /10.2 (-)	³⁾ /7.9 (-)	³⁾ /8.5 (-)
Top speed		km/h	213 (213)	236 (231)	234 (229)
BMW EfficientDynamics					
BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering (except for 420d xDrive), Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimized warm-up behavior, tires with reduced rolling resistance				
Fuel Consump in the ECE test cycle²⁾					
Cycle Standard Wheels:					
Urban		l/100 km	5.4 (5.5)	5.8 (5.4)	6.1 (5.7)
Extra-urban		l/100 km	4.0 (4.0)	4.1 (4.1)	4.2 (4.3)
Combined		l/100 km	4.5 (4.5)	4.7 (4.6)	4.9 (4.8)
CO ₂		g/km	119 (119)	124 (121)	129 (127)
Emission rating			EU6	EU6	EU6

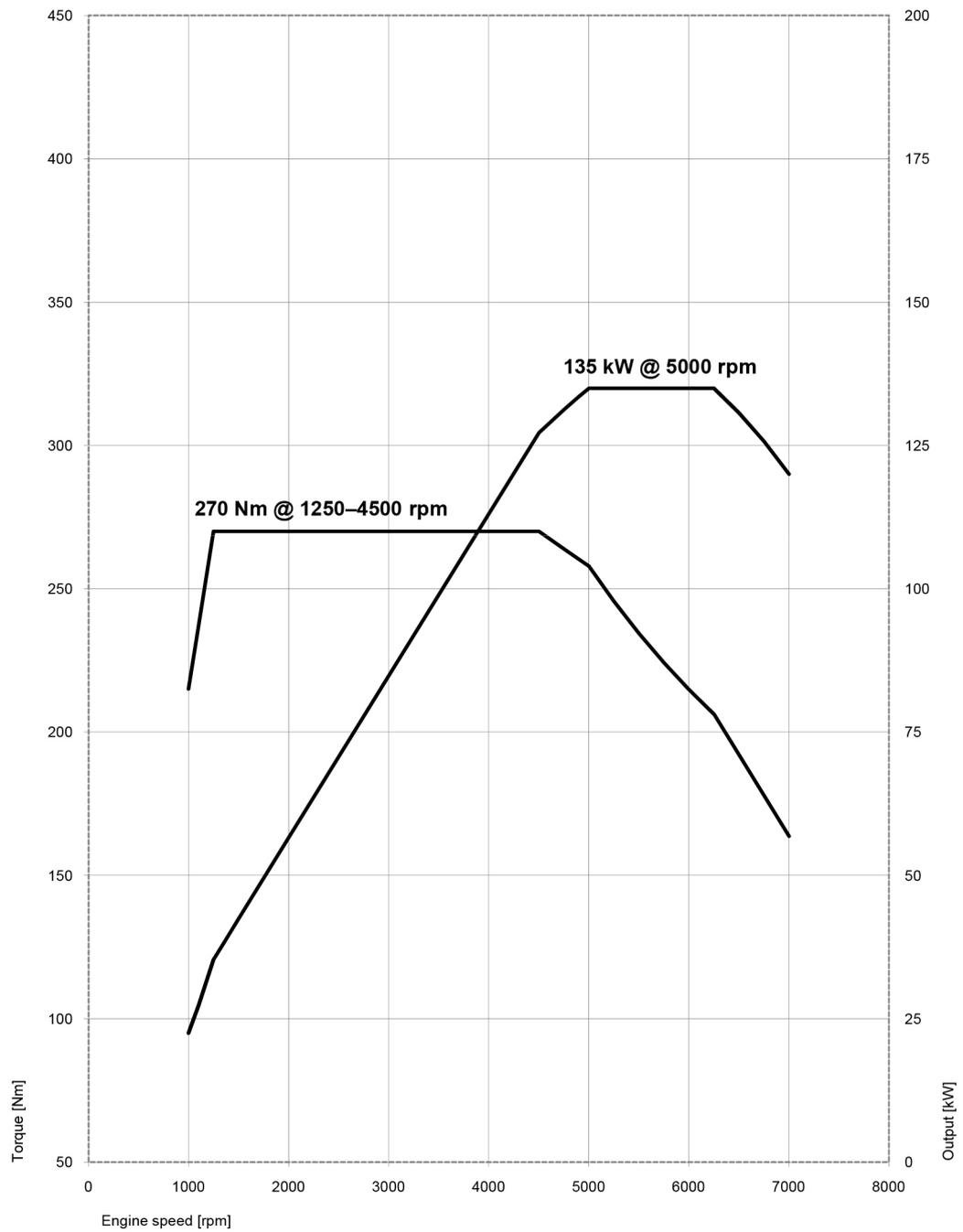
Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)
Figures in brackets apply to models with eight-speed Steptronic transmission

¹⁾ Oil change quantity

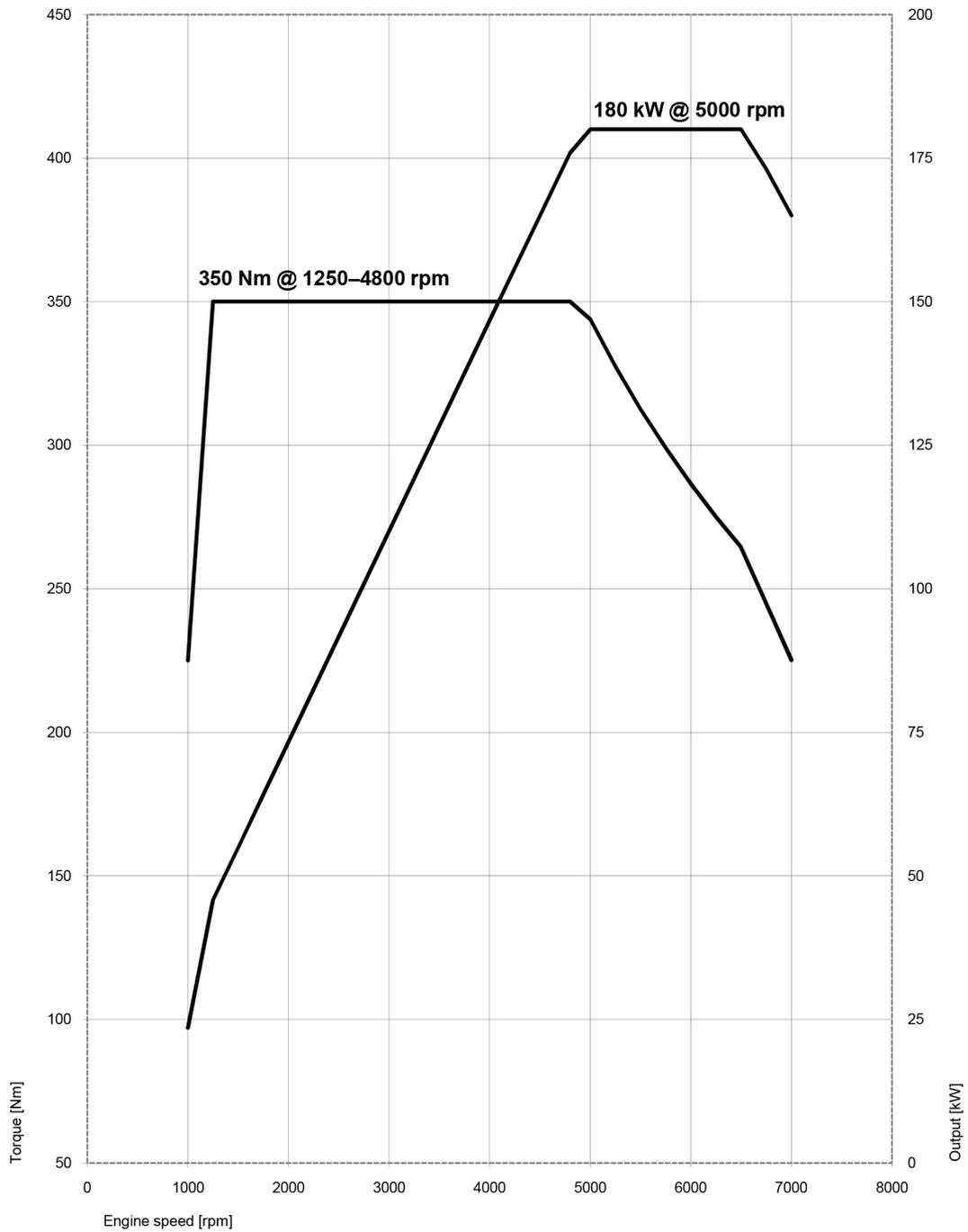
²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

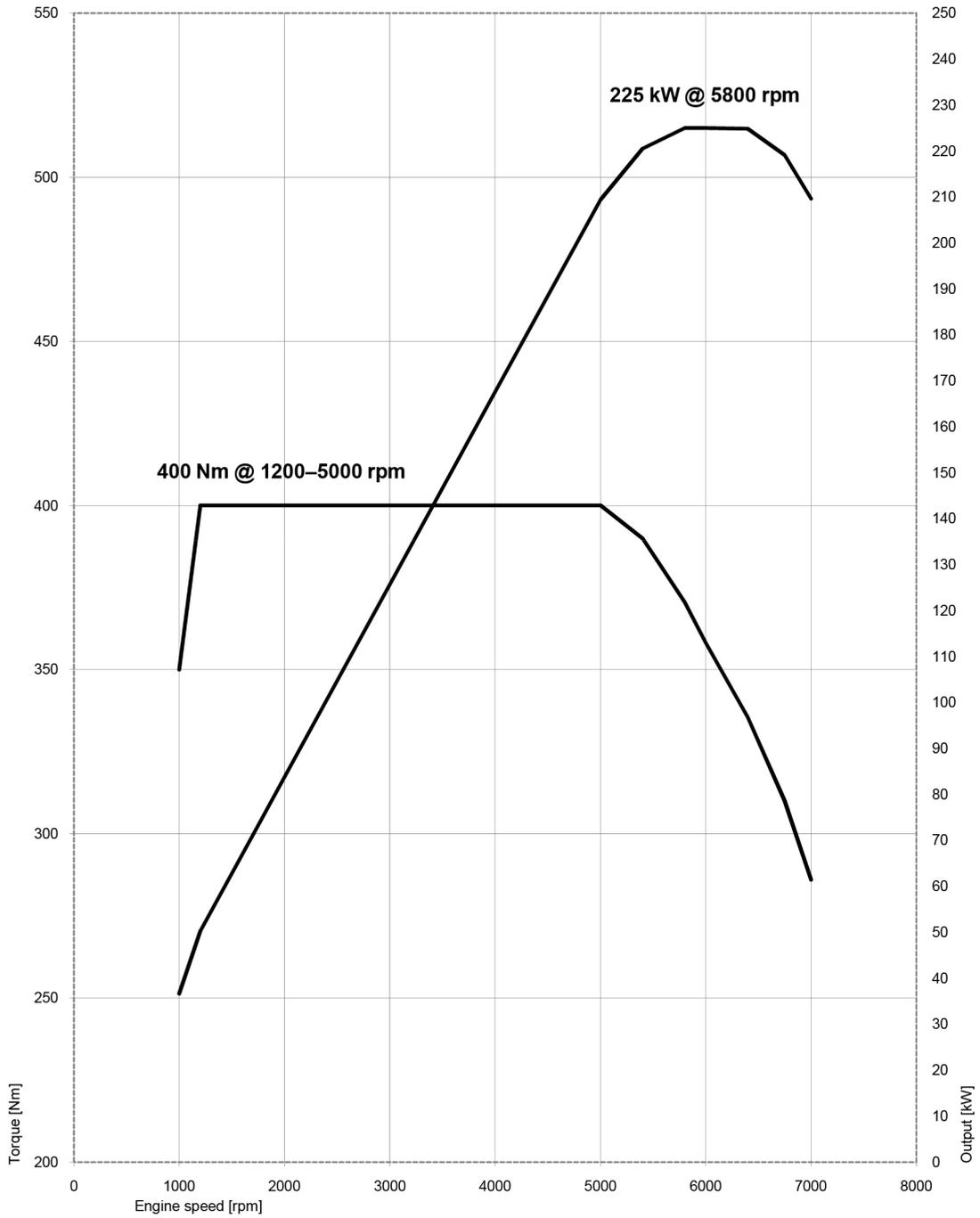
7. Performance and torque diagrams. The new BMW 4 Series Gran Coupé. 420i.



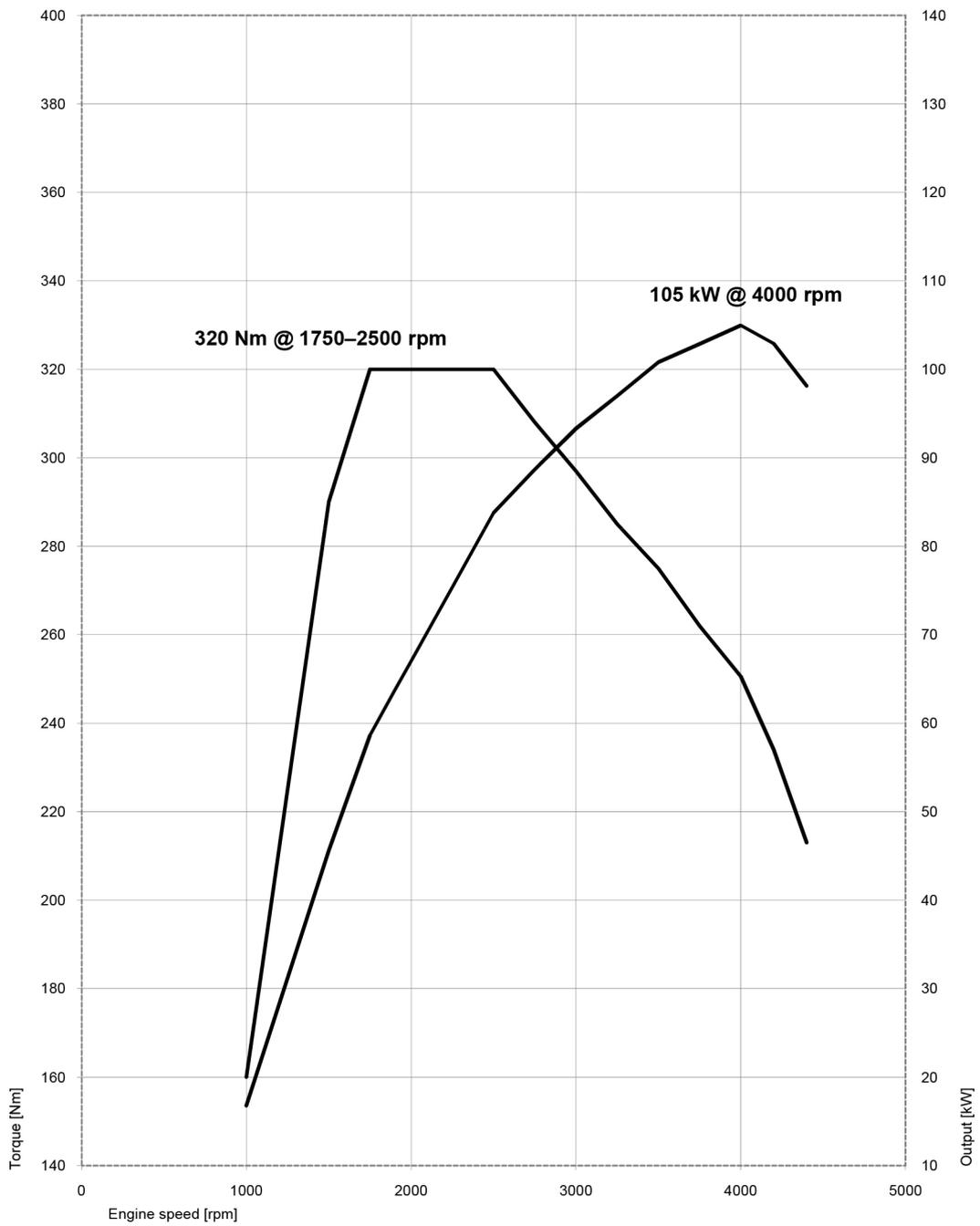
The new BMW 4 Series Gran Coupé. 428i.



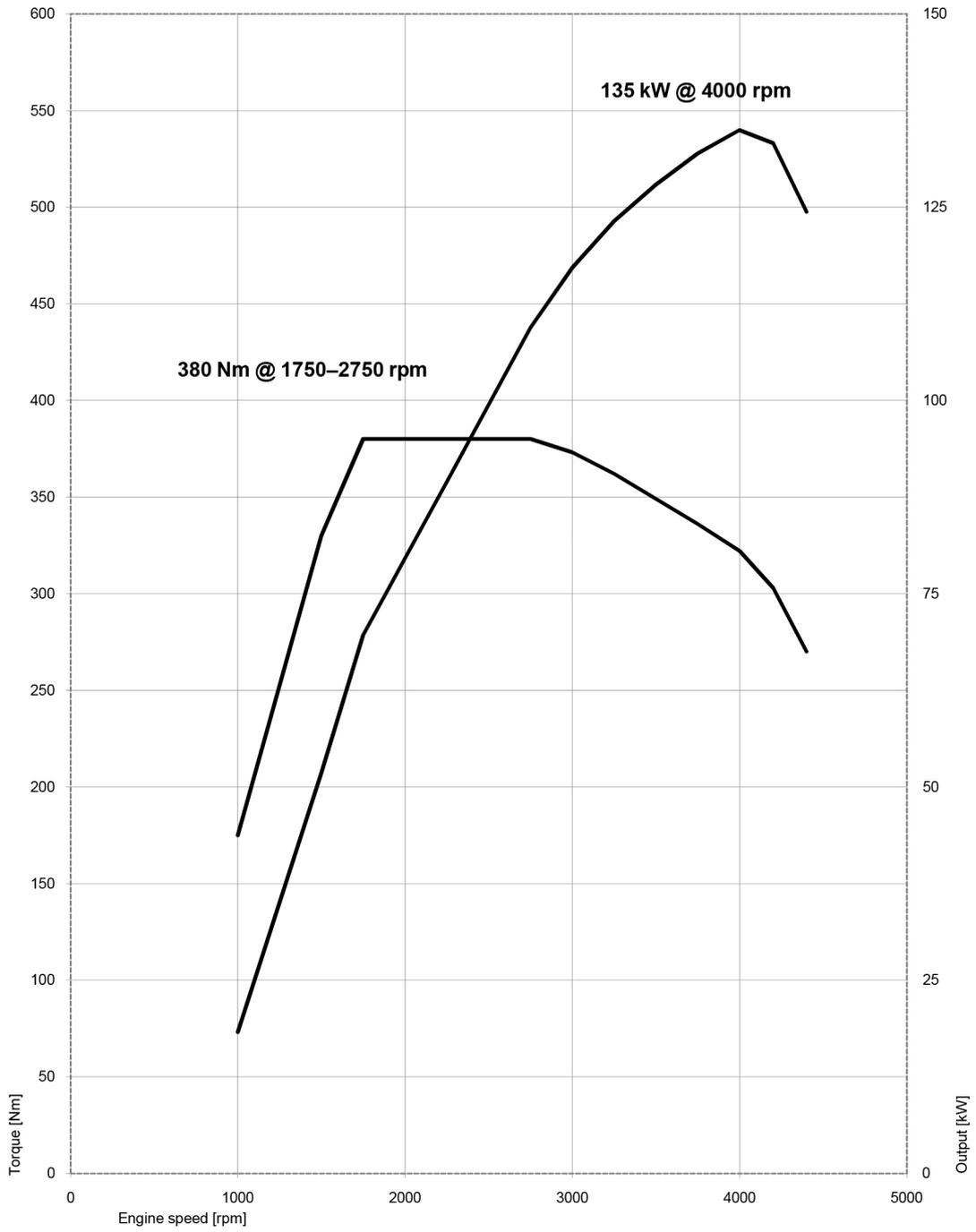
The new BMW 4 Series Gran Coupé. 435i.



The new BMW 4 Series Gran Coupé. 418d.



The new BMW 4 Series Gran Coupé. 420d.



8. Exterior and interior dimensions.

