



Press and Corporate Affairs

**The Sport Connoisseur.
The first-ever BMW 8 Series Gran Coupe.**

Press Information

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1. At a Glance



The Sport Connoisseur: The first-ever BMW 8 Series Gran Coupe. (At a Glance)

The first-ever BMW 8 Series Gran Coupe marks the arrival of a four-door sports car for the luxury segment. It has a distinctive character, smile-inducing driving dynamics, emotion-rich design, a luxurious aura and greater spaciousness in the rear. Sports performance of the new BMW 8 Series combines with enhanced everyday usability and a talent for covering long distances. Dynamic silhouette with four frameless doors, long wheelbase, coupé-style roofline.

Only model in segment derived directly from a two-door sports car. Developed alongside the BMW 8 Series Coupe and the BMW M8 GTE endurance racing car. Body structure, powertrain and chassis geared squarely to maximising performance capabilities. Low centre of gravity, even weight distribution, lightweight construction with aluminium, magnesium and carbon fibre-reinforced plastic (CFRP), aerodynamically optimised body.

The first-ever BMW 8 Series Gran Coupe is available in 2 variants - **BMW 840i Gran Coupe (petrol)** and **BMW 840i Gran Coupe 'M Sport' Edition (petrol)**.

- Supremely sporty interior, driver-focused cockpit, roomy cabin, sports car ambience.
- Large two-part Panorama glass roof extending seamlessly into the rear
- Powerful sports-oriented performance: 3-litre, 6-cylinder in-line BS VI petrol engine
- Best-in-class handling and comfort with Adaptive Suspension and M Sport Differential

Few but very precise vehicle lines underline the graphic **design** of the first-ever BMW 8 Series Gran Coupe. The vehicle body looks more powerful, refined and luscious with the sportiness that is typical to BMW. At the front, muscular surfaces and precise contours of the bonnet together with large air intakes make a statement for unconditional power and forward thrust. The striking double kidney grille widens towards the bottom, emphasizing the vehicle's low centre of gravity – an effect that is further enhanced by extremely slim headlights. When viewed from the side, the long wheelbase, elegantly flowing coupe roofline and wide wheel arches create a dynamically stretched silhouette

underlining the length and grandeur of the car. A suggestive third line runs through the door handles into the pronounced, curved shoulder. At the rear, the car's sporting allure is intensified by extremely wide tracks, sport exhaust system and wrap-around LED lights. Even when stationary, the first-ever BMW 8 Series Gran Coupé always seems ready for a sprint.

The very first encounter with the **interior** makes it clear: the best is obviously here – and only the beginning of a series of extraordinary experiences. The interior is seen as a living space, surrounded by the highest possible sensuous quality. In the driver-focused cockpit, sports car atmosphere is abundantly clear. Electrically adjustable Sport seats provide a superior grip and dynamic driving style. This experience is extended to all passengers thanks to the single-seat design of the rear seats for the first time. The centre console, which is wide and steeply ascending as is typical of sports cars, underscores the longitudinal orientation and has all relevant controls. Generous space allows passengers to stretch out and enjoy the experience of absolute freedom of movement. The luggage compartment has a capacity of 440 litres. The 40:20:40 split backrest allows greater flexibility and ease of loading / unloading.

The rich aura of the first-ever BMW 8 Series Gran Coupe is captured perfectly through bespoke interior styling that uses luxurious, high-quality materials throughout the cabin. The instrument panel, door trims are finished in premium Leather Walknappa. Multiple color choices are available in the finest leather upholstery and interior trim finishers. Crafted Clarity glass application increases the exquisiteness of various controls. An absolute highlight is the large two-part Panoramic glass roof which extends seamlessly into the rear, flooding the cabin with natural light during the day and giving a surreal view of the sky at night. Ambient Lighting with six dimmable designs creates an atmosphere for every mood. The surround-sound audio experience turns every emotion of music into an acoustic revelation with its pure, rich and precise sound.

Top-of-the-line **'M Sport' Edition** brings extra dynamic sparkle to the character of the new BMW 8 Series Gran Coupe. The exterior puts on an extremely performance-oriented look with BMW Lazer Lights, chrome line 'BMW Individual high-gloss Shadow Line', a choice of bespoke BMW Individual paint finishes and the 'M Aerodynamic' package. The 'M Aerodynamics' package features extra-large air intakes, specially designed side skirts and rear apron with diffuser insert in Dark Shadow metallic, 19" M light alloy wheels Double-spoke style, M lettering, two chrome exhaust tips and various M interior equipment features. In the interior, multifunctional seats for driver and front

passenger create a typical race car ambience. The instrument panel / door upper trim is finished in Leather Walknappa while a choice of colors combinations is available in the exclusive BMW Individual extended leather trim 'Merino'. M Leather Steering Wheel gives way to sporty ambitions on the road.

Thanks to unrivalled BMW TwinPower Turbo technology, the **BS VI petrol engine** melds maximum power with exemplary efficiency and offer spontaneous responsiveness even at low engine speeds. The three-litre six-cylinder in-line petrol engine of the BMW 840i roduces an output of 340 hp and maximum torque of 500 Nm at 1,600 – 4,500 rpm. The car accelerates from 0 -100 km / hr in just 5.2 seconds.

The eight-speed Steptronic Sport automatic **transmission** performs smooth, almost imperceptible gearshifts. At any time, in any gear, the transmission collaborates perfectly with the engine, enabling it to develop its full power and efficiency. The M Sport Differential ensures that even with challenging changes of direction or on various surfaces, the engine power is optimally brought to the road. **Adaptive Suspension** enables individual response behavior for each wheel at the touch of button. Using the Driving Experience Control, the driver is able to choose between different driving modes to suit the driving conditions (Comfort, Sport, Sport+).

A host of **BMW ConnectedDrive** technologies continue to break the innovation barrier in automotive industry – BMW Gesture Control, Wireless Charging and Wireless Apple CarPlay®. The modern cockpit concept BMW Live Cockpit Professional running on latest BMW Operating System 7.0 includes 3D Navigation, a 12.3 inch digital instrument display behind the steering wheel and a 10.25 inch Control Display. Park Assistant with Rear View Camera makes parking in tight spots easier by taking over acceleration, braking as well as steering.

BMW EfficientDynamics includes features such as Sport Automatic Transmission, Auto Start-Stop, Brake-Energy Regeneration, Electronic Power Steering, 50:50 Weight Distribution and ECO PRO mode in Driving Experience Control.

BMW **Safety** technologies include six airbags, Attentiveness Assistance, Dynamic Stability Control (DSC) including Dynamic Traction Control (DTC), anti-lock braking system (ABS), electric parking brake with auto hold, side-impact protection, electronic vehicle immobilizer and crash sensor and ISOFIX child seat mounting for the rear seats.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

**The first-ever BMW 8 Series Gran Coupe meets the BS VI equivalent Emission norms as per CMVR 115.

2. Design



The design: Exuding sportiness and sophistication.

- Sporty design: power creates dynamics and aesthetics create joy
- Powerful front, Adaptive LED Headlights / BMW Lazerlight
- Stretched side silhouette, dynamic coupe roofline, long wheelbase
- Exclusive paint finishes and BMW Individual Compositions

The combination of precisely drawn lines and expansive surfaces that runs like a thread through the BMW brand's new design language helps the exterior of the first-ever BMW 8 Series Gran Coupe to strike a unique balance between dynamism and elegance. The styling is symbolic of the car's billing as the BMW 8 Series model delivering sportiness at its most luxurious.

The four-door coupe has a 3,023-millimetre wheelbase and measures 5,082 millimetres in length, 1,932 millimetres in width and 1,407 millimetres in height. The front track width is 1,627 mm while the rear track width is 1,671 millimetres, making it the widest of any model in the BMW line-up.

Powerful front, Adaptive LED Headlights / BMW Lazerlight.

The first-ever BMW 8 Series Gran Coupe has a front end with a broad, low-slung design that exudes sporting pedigree and confidence. The bonnet's powerfully sculpted surfaces and crisp contours add to this impression, as does the elaborate, jutting design of the front apron with its large air intakes, which assume an even more imposing appearance in 'M Sport' Edition. The two elements of the large, low-set BMW kidney grille are framed by a single-piece surround.

The slim twin headlights are positioned slightly higher and define the brand's signature look with LED units generating both the daytime driving lights and low/high-beam headlights. Adaptive LED headlights feature variable light distribution and cornering lights. 'M Sport' Edition features BMW Laserlight with variable road illumination and Selective Beam, which produces a high-beam range of around 600 metres. Blue accents inside the twin headlights reveal this highly sophisticated lighting technology.

The aerodynamic properties of the first-ever BMW 8 Series Gran Coupe include an almost completely sealed underbody, active air flap control with adjustable kidney grille slats, Air Curtains in the front apron and the super-slender exterior mirror bases.

Top-of-the-line 'M Sport' Edition brings extra dynamic sparkle to the character of the new BMW 8 Series Gran Coupe. The exterior puts on an extremely performance-oriented look with BMW Lazer Lights, chrome line 'BMW Individual high-gloss Shadow Line' and the 'M Aerodynamic' package. The 'M Aerodynamics' package features extra-large air intakes, specially designed side skirts and rear apron with diffuser insert in Dark Shadow metallic, 19" M light alloy wheels Double-spoke style, M lettering, two chrome exhaust tips and various M interior equipment features.

Stretched side silhouette, dynamic coupe roofline, long wheelbase.

The extra doors, dynamically stretched roofline and distinctively styled surfaces of the new BMW 8 Series Gran Coupe help to give it an unmistakable silhouette. The side view is composed of just a few crisp character lines that trace the flow of air exiting the Air Breathers. The car's flanks taper inwards around the doors before flaring out again like muscles above the rear wheel arches, producing an interplay of surfaces to particularly striking effect. The elegantly stretched design is emphasised by a third line that takes in the door handles on its way to the powerfully contoured shoulders and C-pillar.

Because the windscreen frame is slightly more upright, the roofline already rises to a greater height by the time it reaches the front seats, meaning additional headroom in both the front and rear. The roofline merges smoothly into the tail in a graceful sweep, via a fin-shaped transition in the vicinity of the C-pillars that emphasises the elongated silhouette. The rear window, meanwhile, also follows a slightly steeper line in order to produce a larger boot aperture. The surface contouring around the C-pillars has been facilitated by a rear window that forms a fixed part of the body structure and a conventional boot lid. These two design features also have a positive impact on the body's torsional rigidity and acoustic comfort in the car's interior. Integrating the antenna technology into the rear window and boot lid has dispensed with the need for a roof fin.

The side window graphic reaches its conclusion at the rear in another hallmark BMW design cue – the Hofmeister kink. On the first-ever BMW 8 Series Gran Coupe, this counter-swing is very upright in form, emphasising the large surface of the C-pillar and therefore reinforcing the sense of presence and solidity in this area of the body.

Wide, muscular rear

The rear end displays power and presence, the flared wheel arches and wide track playing a defining role. The tail's horizontal lines and the sculptural contours of its surfaces give it a broad but also light appearance. The slim all-LED rear light clusters extending deep into the flanks add to this impression. Twin exhaust tailpipes with a trapezoidal contour are positioned either side of the rear apron's lower section. Exclusive paint finishes and BMW Individual Compositions.

Exclusive paint finishes and BMW Individual Compositions.

The first-ever BMW 8 Series Gran Coupe is available in a choice of six metallic exterior paint finishes.

- Metallic: Sonic Speed Blue, Sunset Orange, Blue Ridge Mountain, Bluestone, Mineral White, Black Sapphire.

The 'M Sport' Edition is available in a choice of ten metallic exterior paint finishes.

- Metallic: Sonic Speed Blue, Sunset Orange, Mineral White, Black Sapphire, Barcelona Blue, Carbon Black, Almandine Brown, Dravit Grey, Tanzanite Blue, Aventurine Red.

3. Interior, Equipment



Interior, Equipment: Dynamism and luxury in perfect harmony.

- Sports car ambience, generous space for all four passengers
- Premium leather upholstery and trims with bespoke choices from BMW Individual
- Large two-part Panorama glassroof seamlessly extending till the end
- Sports Seat with electrical adjustment and memory function, Multifunction Seats in 'M Sport' Edition, unique single-seat design for rear passengers

The first-ever BMW 8 Series Gran Coupe's distinctive sense of style also shines through clearly in the design of its interior. The four-door sports car gives prime billing to luxury and blends sporting flair with spaciousness. Thanks to the long wheelbase and clever interior design, the BMW 8 Series Gran Coupe offers generous space and absolute freedom of movement to all passengers. Ample legroom, shoulder room and headroom make long-distance travelling extremely comfortable. Generously sized door aperture makes getting in and out easier than ever as well.

Interior offers harmonious balance between driver focus and luxuriant elegance. The flat surfaces of the instrument panel and centre console controls angled towards the driver help them maintain unruffled control over the car's progress. The controls located in the lower section of the centre console are surrounded by high-quality surfaces and are marked off from the front passenger side by a newly designed bar.

Sports car feel, single-seat design for rear seats, extended centre console.

For the first time, the outer rear seats have a single-seat design that elevates the sporty cockpit feeling at the rear as well. The contours and seam patterns of the rear seats are modelled on the front seats. All seats offer excellent lateral support and integral head restraints. The design of the extended centre console running through the interior reinforces the sensation by forming a clear partition between the left- and right-hand areas of the rear compartment.

In the BMW 840i Gran Coupe, the sports seats for the driver and front passenger come with memory function and contrast stitching. The multifunction seats fitted as standard in the BMW 840i Gran Coupe 'M Sport' Edition stand out with their extra adjustment options, increased lateral support and even better comfort. They offer the driver and front passenger scope to adjust the backrest width and thigh support as desired and are fitted with lumbar support.

Two-part large panoramic glassroof seamlessly extending to the end

The extraordinary expanse of the panoramic roof's glass surface further adds to the generous feeling of space in the rear of the cabin. The panoramic glass roof is a continuous glass surface extending from the windscreen back to the rear window and is extremely generous in width. The result is a total glass surface area of around 1.5 square metres, giving the interior an exceptionally light and airy feel. The front section of the roof has an electric mechanism that allows it to be opened and closed at the touch of a button or with the radio remote control, delivering a controlled supply of fresh air. When opening, it first tilts up at the rear before sliding back over the fixed rear section. The two-ply interior blinds are finished in the same colour and material as the headliner and can also be operated electrically, while the rear blind can be opened and closed from the rear compartment as well.

Ambient Lighting in six dimmable colors create an exclusive mood. The colour of the light can be changed via the iDrive menu.

Premium upholstery, bespoke choices from the world of BMW Individual

The high-quality interior design is awash with precision details and echoes the exterior's modern, pared-down styling. High-quality quilting and decorative stitching in a contrasting colour lend added impact to the sporting contours of both the front and rear seats. The instrument panel and door shoulders are wrapped in premium leather. The electroplated surfaces of the side air vent surrounds and the accent strips in the vicinity of the door openers also sport a uniform look, allowing the clasp-style door openers to blend very sleekly into the cabin's design. Both the leather clad steering wheel and the M leather steering wheel feature multifunction buttons and shift paddles for manual gear selection.

In the BMW 840i Gran Coupe, the standard-specification Leather Vernasca trim is available in Ivory White | Ivory White, Cognac | Black, Black | Black. Interior trim finisher offered as standard is Aluminium 'Mesheffect' dark.

Optionally, BMW Individual extended leather trim 'Merino' can be chosen in the following combinations - Ivory White | Ivory White, Cognac | Black, Black | Black, Night Blue/Black | Black, Tartufo/Black | Black and Fiona Red/Black | Black. Optional interior trims include Fine-wood trim 'Fineline' copper effect high-gloss, Fine-wood trim ash grain grey-metallic high-gloss, BMW Individual interior trim finishers piano finish Black and BMW Individual fine-wood trim Ash black silver effect high-gloss.

In the BMW 840i Gran Coupe 'M Sport' Edition, the Leather Merino trim is offered as standard in Ivory White | Ivory White, Cognac | Black, Black | Black. The instrument panel / door upper trim is finished in Leather Walknappa.

Extra flexibility with 40:20:40 split

The car's luggage-carrying setup can be varied with the greatest of ease courtesy of the 40 : 20 : 40 split/folding rear backrest, whose individual sections can be folded down from the boot using a lever. Storage spaces and partition nets behind the wheel arches are ideal for transporting smaller items securely. A large loading aperture, low loading sill, flat boot floor and uniform lighting all serve to improve loading comfort. With a capacity of 440 litres, the boot is big enough to accommodate three golf bags, for instance. The first-ever BMW 8 Series Gran Coupe also includes automatic boot lid operation as standard. The 'M Sport' Edition also has Comfort Access for hands-free opening and closing.

Extensive standard equipment and classy options up the luxury factor.

Extremely lavish standard specification trains the spotlight on the exclusive nature of the first-ever BMW 8 Series Gran Coupe. A wide array of optional extras can be selected to raise the interior's luxury feel and comfort levels another notch, some of which are exclusive to the four-door sports car.

The 'Crafted Clarity' glass applications in both variants are a joy to look at and to touch, and take the luxury experience to another level. Finely polished, modern-looking glass elements adorn the selector lever, the iDrive Controller, the start/stop button and the volume control for the audio system. An illuminated '8' can be seen through the selector lever's glass surface.

BMW Display Key is offered as standard with the 'M Sport' Edition and as an option on the standard model. It shows the driver the remaining fuel level and service-related information on its colour display, as well as indicating whether the car's doors and windows are locked / closed properly.

The audio system in the BMW 840i Gran Coupe features a digital amplifier with output of 205 watts and a hi-fi speaker system with nine sound sources arranged throughout the interior. The 'M Sport' Edition features the Harman Kardon Surround Sound System with output of 464 watts and 16 speakers. A beautifully precise and multifaceted acoustic experience can be enjoyed from all seats in equal measure.

In the BMW 840i Gran Coupe, Automatic air conditioning with 2- zone control is offered as standard while the 4-zone control is available as an option. In 'M Sport' Edition, a four-zone automatic climate control system ensure comfort on the go. It also has soft-close door function. Electric Roller sunblinds for rear window and rear side windows are offered with both variants.

Two cupholders, a 12V socket, a USB port and the wireless charging tray for compatible smartphones can be found under the trim finisher at the front of the centre console. Additional power outlets and USB ports are located under the front armrest's butterfly lid and in the rear.

4. Powertrain, Driving Dynamics



Powertrain and driving experience.

- BS-VI 3-litre 6-cylinder petrol engine with BMW TwinPower Turbo technology
- 340 hp, 500 Nm torque, 0 – 100 kmph in 5.2 seconds
- Eight-speed Steptronic transmission with gearshift paddles on the steeringwheel.
- Intelligent connectivity enhances dynamics and efficiency.
- M Sport differential enables supreme traction and agility.

The powerful BS VI engine of the first-ever BMW 8 Series Gran Coupe is a clear reflection of the four-door sports car's character. The most recent incarnation of the fabled BMW straight-six blends its natural instantaneous response, appetite for revs and smoothness with optimised efficiency and emissions.

BS-VI 3-litre 6-cylinder petrol engine with BMW TwinPower Turbo technology

The 3.0-litre unit with BMW TwinPower Turbo technology makes its mark with noticeably enhanced elasticity throughout the rev range. These are both key factors in the agile, fleet-footed handling of the BMW 840i Gran Coupe. The new engine places its maximum output of 250 kW/340 hp* at the driver's disposal between 5,000 and 6,500 rpm, while peak torque has been upped to 500 Nm (369 lb-ft) – available from 1,600 up to 4,500 rpm.

The new power unit's standout features include the exhaust manifold integrated into the cylinder head, a twin-scroll turbocharger with sharper response and superior acceleration characteristics, and direct injection technology working at an increased maximum pressure of 350 bar. A housing with improved flow characteristics and turbines with reduced masses both help the turbocharging system to ensure rapid build-up of pressure, and the charge air cooler has been incorporated into the intake system.

The latest version of the VALVETRONIC fully variable valve timing system makes the sort of swift, high-precision adjustments that facilitate instantaneous power delivery and improve engine efficiency. The exhaust manifold embedded in the cylinder head cooling

jacket, the new oil module with integral heat exchanger and the split-cooling valve delivering on-demand control of the cooling system all serve to optimise the engine's temperature management. Efficiency is given a further boost by the low-friction belt drive and the reduced weight of both the crankshaft and oil pump.

The new power unit responds instantaneously to every movement of the accelerator and power delivery continues unabated up to very high revs. This enables the new BMW 840i Gran Coupe to dart from 0 to 100 km/h (62 mph) in 5.2 seconds*. The new straight-six unit's superior efficiency translates into combined fuel consumption figures of 11.3 km/ltr**, together with CO2 emissions of 210 grams per kilometer**. Its emission control system includes a gasoline particulate filter, allowing the two six-cylinder petrol models to satisfy the BS-VI standard.

The engine teams up with an eight-speed Steptronic Sport transmission, which allows the driver to change gears manually using shift paddles on the steering wheel as standard. The system's rear-wheel-biased setup provides exceptional agility and precision in dynamic handling situations.

Eight-speed Steptronic transmission with gearshift paddles on the steering wheel.

The engine combines with the latest version of the eight-speed Steptronic Sport transmission, whose wider gear spacing cuts fuel consumption by keeping engine speeds lower, particularly in higher gears. Added to which, the latest-generation eight-speed Steptronic Sport has reduced torque converter slip and upgraded torsion dampers that reduce rotational irregularities within the powertrain and therefore help to optimise both driving comfort and shift smoothness. The shift dynamics, meanwhile, are even sharper thanks to the transmission's optimised hydraulic control.

Manual gear changes can be carried out using the standard shift paddles on the steering wheel, while the Launch Control function allows the car to power off the line with unbeatable traction and thrilling dynamism.

Intelligent connectivity enhances dynamics and efficiency.

The eight-speed Steptronic Sport transmission's control unit can adapt its shift strategy to the situation at hand using intelligent connectivity. Data from the standard Navigation system Professional is used to shift down early when approaching a junction and so use

the engine braking to slow the car or to avoid unnecessary gear shifts between two bends arriving in quick succession.

Intelligent connectivity also enhances the efficiency of the drive system. The first-ever BMW 8 Series Gran Coupe features situation-based control of the Auto Start Stop function using data collected from the navigation system and the cameras and radar sensors of the standard/optional driver assistance systems. In this way, inefficient engine shutdown – for example when stopping briefly at junctions or roundabouts – can be prevented. The coasting function activated at speeds between 15 and 160 km/h (9 – 99 mph) is also controlled intelligently to make sure the powertrain is only decoupled in driving situations where neither comfort nor performance will be affected. The coasting function is available when ECO PRO mode – and also COMFORT mode in the six-cylinder models – is engaged using the Driving Experience Control switch.

M Sport differential enables supreme traction and agility.

The M Sport differential – which comes as standard on the ‘M Sport’ Edition gives the car’s handling an even more dynamic edge. The electronically controlled rear differential lock limits equalisation of the rotational speeds at the inside and outside rear wheel when cornering, allowing the driver to power out of bends with remarkably dynamic verve. The locking effect produced by an electric motor and controlled by the DSC (Dynamic Stability Control) system also optimises traction and power transfer on roads where grip levels vary between the right and left rear wheels by preventing a wheel with insufficient grip from spinning and deliberately channelling drive power to the other wheel instead. The variable distribution of drive torque between the left and right rear wheels also nips understeer or oversteer in the bud – without braking inputs – when negotiating a quick succession of bends or in situations involving multiple changes of direction and load.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

**The first-ever BMW 8 Series Gran Coupe meets the BS VI equivalent Emission norms as per CMVR 115.

5. Chassis Technology



Chassis technology and driving experience.

The vehicle concept and driving characteristics of the first-ever BMW 8 Series Gran Coupe were developed alongside the BMW M8 GTE endurance racer. The four-door luxury sports car offers a repertoire of skills that none of its rivals can match, ranging from outstanding performance characteristics to superb comfort levels for all occupants, even on longer journeys.

With its minimised weight, optimised aerodynamic properties, low centre of gravity, balanced weight distribution, rigid body structure and wide tracks, the four-door coupe's basic blueprint provides the ideal platform for a setup geared squarely to agility and dynamism.

The long wheelbase enhances ride comfort significantly by enabling the chassis tuning to be modified without compromising its sporting instincts. With a lightweight six-cylinder in-line petrol engine at its front end and classical rear-wheel drive, the first-ever BMW 840i Gran Coupe captures the essence of driving pleasure with particular authenticity.

Chassis technology sharpened with racing know-how.

The chassis technology developed for the first-ever BMW 8 Series comprises a double-wishbone front axle built almost entirely from aluminium and a five-link rear axle featuring sheet steel control arms and aluminium wheel carriers, along with electromechanical steering and exceptionally powerful brakes. The wheel suspension kinematics and elastokinematics have been carefully adapted to the demands of a highly dynamic driving style, delivering maximum agility, precision and performance.

The motor racing experience amassed by BMW M GmbH and its extensive know-how had a formative influence on the chassis technology's design and tuning and is clearly demonstrated by an array of detailed modifications and bespoke elements. Torsion struts on the front axle and a shear panel incorporated on the rear axle optimise stiffness and the connection of suspension components to the body. Independent rubber bearings – which increase camber stiffness – and additional damping plates at the rear axle further enhance the suspension's dynamic baseline setup. Special wheel carriers and transverse control arms allow camber values on both axles to be raised to the

maximum. This significantly increases the car's ability to put down its power through high-speed corners.

Adaptive Suspension with bespoke tuning.

The suspension system – along with the basic chassis components – has been tuned precisely to the fundamental characteristics of the first-ever BMW 8 Series Gran Coupe defined by its dimensions and weight distribution. Standard specification includes Adaptive Suspension with electronically controlled dampers, whose compression and rebound stages are adjusted continuously and independently of one another. This enables finely metered spring and damping responses, providing the driver with only relevant information about the road surface. The extremely stiff suspension springs reduce roll tendency and allow the dampers to stabilise the wheels as much as possible, avoiding traction losses caused by uneven surfaces. The dampers respond adaptively to both road surface conditions and driving style.

Damping characteristics can be adjusted via the Driving Experience Control switch. SPORT and SPORT+ modes pull out all the stops for dynamic handling and therefore serve up a markedly different driving experience to the comfort-oriented damper settings in ECO PRO and COMFORT modes.

Integral Active Steering brings added agility and poise.

The optional Integral Active Steering makes even lighter work of manoeuvring, increases agility at moderate speeds and allows drivers to negotiate lane changes and high-speed corners with still greater poise and assurance. The system combines Servotronic speed-sensitive power assistance and a variable steering ratio at the front wheels with a steering rear axle.

The rear wheels are steered differently depending on the vehicle's speed, turning in the opposite direction to the front wheels at speeds up to 72 km/h (45 mph) and in the same direction at higher speeds. This allows the car to follow the course set by the driver even more directly and accurately; Integral Active Steering is therefore a particularly effective champion of active, sporty driving styles.

Active roll stabilisation geared towards sporty driving.

The active roll stabilisation feature included in the optional Adaptive Suspension endows the car with even sportier handling characteristics. Electric swivel motors on the front and rear axles ensure particularly fast and precise body roll compensation when the

driver explores the car's dynamic potential. Active roll stabilisation has an unmistakably sporty setup and adapts to changing requirements. It optimises agility and directional stability on turn-in and helps line the car up as neatly as possible for dynamic acceleration out of corners. The reduced body movement also means fast evasive manoeuvres can be executed with great assurance.

The system also increases straightline comfort by decoupling the permanent connection between the wheels of an axle. By stabilising the wheel in need, the system is extremely effective in counteracting disruptive forces resulting from road surface imperfections on one side of the car. The responses of active roll stabilisation – like those of the electronically controlled dampers – are also modulated according to the weight the vehicle is carrying. This means the number of occupants and loads in the boot are factored in as well, ensuring an unimpeachable driving experience for driver and passengers alike.

Model-specific M Sport braking systems, light-alloy wheels with mixed-size high-performance tyres.

The braking system stands out with immense stopping power, high thermal stability, fast responses and excellent feel. It combines four-piston, fixed-calliper brakes at the front and single-piston, floating-calliper brakes at the rear. The electromechanical parking brake is integrated into the rear callipers. The M Sport package includes M Sport brakes with discs measuring 374 millimetres in diameter.

The BMW 840i Gran Coupe features 18" light alloy wheels V-spoke style 642 with mixed tyres and runflat tyres. The 'M Sport' Edition features 19" M light alloy wheels Double-spoke style 727 M bicolour with mixed and runflat tyres. Other wheel options for BMW 840i Gran Coupe include 19" Multi-spoke style 731 bicolour and 19" Double-spoke style 690 bicolour. The M Sport Edition offers optional 20" Y-spoke style 728 M in Jetblack / bicolour, 20" Multi-spoke style 729 M bicolour and 20" BMW Individual V-spoke style 730 I.

6. BMW ConnectedDrive



BMW ConnectedDrive.

BMW Operating System 7.0 display and control concept.

The newly designed instrument cluster/Control Display screen grouping and extended functionality take intuitive operation to the next level, while helping drivers to concentrate even more effectively on the road ahead. The standard-fitted BMW Live Cockpit Professional comprises a fully digital, high-resolution instrument cluster behind the steering wheel with a screen diagonal of 12.3 inches and a Control Display measuring 10.25 inches across. This equipment package also features an adaptive navigation system and a hard-drive-based multimedia system with 32 GB of memory.

The BMW Live Cockpit Professional also brings the benefits of the BMW Operating System 7.0. The latest-generation BMW operating system boasts fully digital displays and is geared even more closely to the driver's personal needs – with the aim of maximising their attention levels. The system's clear presentation and structuring are designed to provide drivers with the right information at the right time, aided further by the customisable and personalised content. The redesigned display in the centre of the instrument cluster now leaves enough room for an excerpt from the navigation map, for instance. In the main menu on the Control Display, the driver is able to create and configure up to ten pages, each showing two to four pads (tiles) with live content. Both the content and the graphics are personalised to an even greater degree, as illustrated by the vehicle mock-up that matches the actual model colour and equipment line. The intuitive multimodal interaction between driver and vehicle has undergone further improvement. Depending on the situation, the driver can choose from the familiar iDrive Controller, the steering wheel controls, touch control, voice control or gesture control.

7. **BMW EfficientDynamics**



BMW EfficientDynamics: Ensuring exceptional efficiency.

The innovations developed under the BMW EfficientDynamics banner form an overall package that delivers greater driving pleasure combined with lower fuel consumption and emissions. BMW EfficientDynamics includes features such as Sport Automatic Transmission, Auto Start-Stop, Brake-Energy Regeneration, Electronic Power Steering, 50:50 Weight Distribution and ECO PRO mode in Driving Experience Control.

The BMW 840i Gran Coupe has a fuel efficiency of 11.3 kms/ltr* and low CO2 emissions of 210 g/km**.

Optimised aerodynamics and weight.

The aerodynamic properties of the first-ever BMW 8 Series Gran Coupe have been honed by features including an almost completely sealed underbody, active air flap control with adjustable kidney grille slats, Air Curtains in the front apron and the super-slender exterior mirror bases.

An intelligent material mix and targeted lightweight design measures have minimised the weight of the first-ever BMW 8 Series Gran Coupe. An aluminium monocoque construction is used for its doors and the outer skin of the roof, while elements such as the bonnet, front shear panel, engine subframe, front bulkhead and rear bumper support are also made from aluminium. The plastic boot lid, the magnesium cockpit support and the use of carbon fibre-reinforced plastic in the centre tunnel help to both reduce weight and distribute it to optimum effect. Fitting the optional carbon-fibre roof lowers the car's centre of gravity even further.

Intelligent energy management, ECO PRO mode with coasting function.

BMW EfficientDynamics technology employed includes intelligent energy management. Brake Energy Regeneration enables extremely efficient power generation for the on-board power supply. The Electric Power Steering and on-demand fuel and coolant pumps work with maximum efficiency, while shorter glow phases reduce the amount of energy required when starting the diesel engines. The Auto Start Stop function is also part of the standard specification.

ECO PRO mode – activated via the Driving Experience Control switch – also allows drivers to make use of the coasting function. At speeds between 50 and 160 km/h (31–99 mph), the powertrain is disengaged as soon as the driver takes his or her foot off the accelerator. Further efficiency gains have been achieved with items including reduced-friction wheel bearings and tyres with lower rolling resistance.

*Performance data as measured in the emission test done under controlled conditions of environment, driving cycle, fuel etc. as specified in Rule 115 of Central Motor Vehicle Rules, 1989.

**The first-ever BMW 8 Series Gran Coupe meets the BS VI equivalent Emission norms as per CMVR 115.

8. Specifications



Specifications – The first-ever BMW 8 Series Gran Coupe.

BMW 840i Gran Coupe

Body

No of doors/seats		4 / 5
Length/width/height (unladen)	mm	5082 / 1932 / 1407
Wheelbase	mm	3023
Track, front/rear	mm	1627 / 1671
Turning circle	m	12.3
Fuel tank capacity	approx. l	68
Engine oil	l	6.5
Weight, unladen,	Kg	1969
Max permissible weight	Kg	2435
Max axle load, front/rear	Kg	1075 / 1360
Luggage comp capacity	L	440

Power Unit

Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	250 / 340
At	rpm	6500
Max torque	Nm	500
At	Rpm	1600 – 4500

Electrical System

Battery/installation	Ah/–	105 / luggage compartment
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Driving Dynamics and Safety

Suspension, front	Double-wishbone axle in aluminium construction with separate lower track arm
Suspension, rear	Five-link axle in aluminium/steel lightweight construction with dual elastic bearing
Brakes, front	Vented disc brakes, with four-piston fixed callipers
Brakes, rear	Vented disc brakes, with single-piston floating callipers
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, Adaptive M suspension, electronically controlled rear-axle differential lock
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering	Electric Power Steering (EPS)
Steering ratio, overall	:1 16.3
Tyres, front/rear	245/45 R18 100Y XL 275/40 R18 103Y XL
Rims, front/rear	8J x 18 light-alloy 9J x 18 light-alloy

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	7.2
Output per litre	kW/l	83.4
Acceleration	0–100 km/h	s 5.2
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, active air stream kidney grille, on-demand operation of ancillary units, map- regulated oil pump, rear differential with optimised warm-up behaviour
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Fuel Consumption ECE

Combined	Km/l	11.3
CO ₂	g/km	210
Emission rating		BS VI

Data represented is a combination taken from Indian and European test procedures.

Output and Torque Diagram - BMW 840i Gran Coupe.



9. Dimensions



Exterior and Interior Dimensions.

