

BMW at the 114th New York International Auto Show 2014. Contents.



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1. BMW at the 114th New York International Auto Show 2014. (Summary)



BMW is showcasing two world and two US premieres at this year's New York International Auto Show (NYIAS), thereby underlining the high prominence of this event, which is being staged for the 114th time on 18 – 27 April 2014. Not only does the New York show date back longer than any other motor exhibition in North America, it is also the car show that attracts the greatest public interest in the USA, with around one million visitors every year.

New York marks the world premiere of both the new BMW X4 (fuel consumption combined: 8.3–5.0* l/100 km [34.0–56.5* mpg imp]; CO₂ emissions combined: 193–131* g/km), the BMW M4 Convertible (fuel consumption combined: 9.1–8.7 l/100 km [31–32.5 mpg imp]; CO₂ emissions combined: 213–203 g/km). These are joined by a trio of models making their US debut: the BMW 4 Series Gran Coupe (fuel consumption combined: 8.1–4.5 l/100 km [34.9–62.8 mpg imp]; CO₂ emissions combined: 189–119 g/km), the new BMW X3 (fuel consumption combined: 8.3–4.7 l/100 km [34.0–60.1 mpg imp]; CO₂ emissions combined: 193–124 g/km) and an innovation-packed concept study in the form of the BMW Concept X5 eDrive.

BMW X4: a powerful presence.

The BMW X4 opens up a brand new niche in the premium mid-size segment and sees BMW combine the strengths of the BMW X models with the sporting elegance of a classical coupe and enough room for five people. The new BMW X4 really brings its dynamic character to the fore with large air intakes in the front apron, a roofline that slopes down in coupe-like fashion, powerfully sculpted rear wheel arches and diffuser-look styling at the rear. This impression is further reinforced by the engine line-up: the BMW X4 xDrive28i (fuel consumption urban/extra-urban/combined: 9.3–8.7*/6.3–5.9*/7.4–7.0* l/100 km [30.4–32.5*/44.8–47.9*/38.2–40.4* mpg imp]; CO₂ emissions combined: 172–162* g/km) and BMW X4 xDrive35i (fuel consumption urban/extra-urban/combined: 10.7/6.9/8.3 l/100 km [26.4/40.9/34.0 mpg imp]; CO₂ emissions combined: 193 g/km) both employ BMW TwinPower Turbo technology, generate outputs of 180 kW/245 hp and 225 kW/306 hp respectively, and are supremely efficient.

* Figures with optional low rolling resistance tyres on 17-inch Streamline style 306 light-alloy wheels.

The BMW X4 xDrive35d likewise makes its mark with compelling power delivery and exceptional CO₂ efficiency (fuel consumption urban/extra-urban/combined: 6.7/5.5/6.0 l/100 km [42.2/51.4/47.1 mpg imp]; CO₂ emissions combined: 157 g/km). The 3.0-litre six-cylinder in-line unit under the bonnet musters up 230 kW/313 hp and peak torque of 630 Nm (464 lb-ft), and whisks the car from standstill to 100 km/h (62 mph) in just 5.2 seconds. The BMW X4 xDrive 30d (fuel consumption urban/extra-urban/combined: 6.6–6.2*/5.7–5.4*/6.1–5.7* l/100 km [42.8–45.6*/49.6–52.3*/46.3–49.6* mpg imp]; CO₂ emissions combined: 159–149* g/km) is likewise powered by a 3.0-litre straight-six unit with 190 kW/258 hp and peak torque of 560 Nm (413 lb-ft). The entry-level engines comprise the BMW xDrive 20i (fuel consumption urban/extra-urban/combined: 9.2–8.7*/6.3–5.9*/7.3–6.9* l/100 km [30.7–32.5*/44.8–47.9*/38.7–40.9* mpg imp]; CO₂ emissions combined: 171–161* g/km), a 184 hp four-cylinder petrol unit, and the BMW X4 xDrive20d (fuel consumption urban/extra-urban/combined: 5.8–5.4*/5.1–4.8*/5.4–5.0* l/100 km [48.7–52.3*/55.4–58.9*/52.3–56.5* mpg imp]; CO₂ emissions combined: 141–131* g/km), a newly developed four-cylinder turbo diesel with 190 hp. The standard specification makes impressive reading and includes xDrive all-wheel drive, an eight-speed automatic gearbox, variable sport steering, Performance Control and a sports leather steering wheel with shift paddles.

* Figures with optional low rolling resistance tyres on 17-inch Streamline style 306 light-alloy wheels.

BMW M4 Convertible: a new dimension in aesthetic appeal and sporting ability.

The second highlight on the BMW stand at this year's New York International Auto Show is the world premiere of the new BMW M4 Convertible. The newcomer is powered by the newly developed 3.0-litre straight-six engine boasting M TwinPower Turbo technology and high-revving performance. Its vital statistics are as follows: 317 kW/431 hp, 550 Nm (405 lb-ft) at 1,850 – 5,500 rpm, and 0 – 100 km/h (62 mph) in 4.4 seconds (with optional 7-speed M double-clutch transmission). Having so much torque on tap over such a broad rev band means that the BMW M4 Convertible is able to unleash peak power at any time. The three-part folding metal hardtop is fully lined on the inside and offers excellent sound insulation as well as being perfectly suited to winter driving. It opens and closes on demand in the space of 20 seconds – even when moving at a speed of up to 18 km/h (11 mph).

BMW 4 Series Gran Coupe: new benchmark for elegance and extravagance.

Following on from its world premiere at the Geneva Motor Show, the new BMW 4 Series Gran Coupe is now making its debut appearance in the USA at the New York International Auto Show. Built in the mould of the BMW 6 Series Gran Coupe, its arrival sees BMW add a further scintillating premium mid-size model to its 4 Series range. The new four-door coupe succeeds in melding the visual charm of the two-door coupe with the functional benefits offered by two extra doors, a wide-opening tailgate and the abundant space found within. At the same time, the principal dimensions and dynamic performance abilities are unchanged compared to the two-door coupe. The elongated roofline neatly brings out both the elegance and the extravagance of the BMW 4 Series Gran Coupe. It is being launched with a choice of two highly refined and fuel-efficient engines. The BMW 435i Gran Coupe (fuel consumption urban/extra-urban/combined: 11.4/6.2/8.1 l/100 km [24.8/45.6/34.9 mpg imp]; CO₂ emissions combined: 189 g/km) is propelled by the range-topping six-cylinder in-line engine with an output of 225 kW/306 hp, while a lightweight four-cylinder unit delivering a mighty 180 kW/245 hp is the driving force behind the BMW 428i Gran Coupe (fuel consumption urban/extra-urban/combined: 8.9/5.3/6.6 l/100 km [31.7/53.3/42.8 mpg imp]; CO₂ emissions combined: 154 g/km). This second engine version is also being made available with the xDrive intelligent all-wheel-drive system from launch. Two four-cylinder diesel engines complete the range.

BMW X3: power, prestige and supreme everyday practicality rolled into one.

Another model being unveiled for the first time in the North American market is the new-generation BMW X3. Like the BMW X4, it is being built in Spartanburg, South Carolina. The previous version of the BMW X3 already made a name for itself thanks to its class-leading cabin and luggage compartment dimensions and superior versatility. The new BMW X3 has been designed to consolidate this edge over the competition. The exterior design has been revamped and now sports new twin circular headlights (with the option of LED technology), a more prominent double-kidney grille, restyled front and rear bumpers, as well as exterior mirrors with integrated turn signals. Chrome detailing and new cupholders with a sliding cover in the centre console add to the premium feel that characterises the interior. The four- and six-cylinder petrol engines and four-cylinder diesel unit produce outputs ranging from 135 kW/184 hp to 225 kW/306 hp. All engine versions are coupled with xDrive intelligent all-wheel drive with the exception of the BMW X3 sDrive28i, which is only being marketed in the USA and employs the traditional rear-wheel-drive system.

BMW Concept X5 eDrive: a pioneering combination offering supremely efficient driving pleasure.

The further refined BMW Concept X5 eDrive being exhibited at the New York Auto Show demonstrates the lengths that BMW is going to in an effort to reduce fuel consumption and emissions in the luxury Sports Activity Vehicle (SAV) segment. The 180 kW/245 hp four-cylinder petrol engine with BMW TwinPower Turbo technology works in unison with a 70 kW/95 hp electric motor to enable the concept study to drive purely on electric power at speeds of up to 120 km/h (75 mph) with a maximum range of 30 kilometres (approx. 20 miles). The electric motor draws its power from a lithium-ion battery that can be charged from any domestic socket. Thanks to its plug-in hybrid drive concept, the BMW Concept X5 eDrive returns a highly impressive average fuel consumption of just 3.8 l/100 km (74.3 mpg imp) in the EU test cycle. The electrification of the powertrain under the umbrella of BMW eDrive enables BMW to unlock huge potential for reducing the fuel consumption and emissions of large models.

Further information on official fuel consumption figures, specific CO₂ emission values and the electric power consumption of new passenger cars is 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-Schamhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. LeitfadenCO₂ (GuidelineCO₂) (PDF – 2.7 MB)

For the latest information about US specifications, including fuel efficiency, equipment, and pricing, please visit www.bmwusa.com.



2. BMW at the 114th New York International Auto Show 2014. (Long version)

2.1 The new BMW X4: A powerful presence.

The new BMW X4 (fuel consumption combined: 8.3–5.0* l/100 km [34.0–56.5 mpg imp]; CO₂ emissions combined: 193–131* g/km) melds the hallmark features of the successful BMW X family with the sporting elegance of a classical coupe. With the X4, BMW now brings this unique concept of the Sports Activity Coupe to the premium mid-size segment. This dynamic pedigree is underlined by a wide range of cutting-edge high-performance engines, the xDrive all-wheel-drive system and an exclusive spread of standard equipment features such as variable sport steering, Performance Control and a sports leather steering wheel with gearshift paddles.

Extrovert and dynamic appearance.

The new BMW X4 is based on the technical blueprint of the BMW X3, but displays a sporting character very much its own and takes dynamics to another new level. That much is clear when you view the new model head-on. The large air intakes positioned on the outer edges of the front end and the character lines in the front apron allow the BMW X4 – with its signature twin headlights and fog lamps – both optionally available with LED technology – to maximise its visual presence on the road. The roofline reaches its highest point above the driver and then swoops down smoothly to the trailing edge of the tailgate, mimicking the design language of a classical sporting coupe. The signature swage line running along the flanks of BMW models is split into two on the X4. The first section rises dynamically from the front wheel arches to the rear door handles, while the second part draws the eye to the muscular sculpting of the rear wings. The rear end, complete with L-shaped LED lights in exclusive X4 design and diffuser-look styling, likewise highlights the outstanding dynamic ability of the new BMW X4 – even before it turns a wheel.

The driver and front passenger sit 20 millimetres lower than in the BMW X3. In conjunction with the two-seat look of the rear, this accentuates the coupe character of the new BMW in the classy and exclusive interior as well. At the same time, the X4 offers generous levels of space for up to five people and – thanks to the standard 40:20:40 split rear seat backrest – impressive variability.

*Figures with optional reduced-rolling-resistance tyres on 17-inch Streamline style 306 light-alloy wheels..

Unparalleled engine power combined with supreme refinement.

In keeping with the vivacious character of the new BMW X4, customers can choose from three petrol engines and a trio of diesel units from the BMW EfficientDynamics engine family, whose output ranges from 135 kW/184 hp to 230 kW/313 hp. All the engines meet the EU6 exhaust gas standard. The BMW TwinPower Turbo technology of the state-of-the-art engines offers a promise of superb performance married with exceptionally low fuel consumption. For example, the flagship petrol unit in the BMW X4 xDrive35i (fuel consumption urban/extra-urban/combined:

10.7/6.9/8.3 l/100 km; CO₂ emissions combined: 193 g/km) develops an outstanding 225 kW/306 hp and peak torque of 400 Nm (295 lb-ft). The BMW X4 xDrive 35i requires just 5.5 seconds to sprint from 0 to 100 km/h (62 mph). And an equally impressive performer in terms of power delivery and CO₂ efficiency is the BMW X4 xDrive35d (fuel consumption urban/extra-urban/combined: 6.7/5.5/6.0 l/100 km; CO₂ emissions combined: 157 g/km). Its 3.0-litre six-cylinder in-line engine generates 230 kW/313 hp and peak torque of 630 Nm (465 lb-ft). The BMW X4 xDrive35d accelerates from 0 to 100 km/h (62 mph) in 5.2 seconds. Also powered by a 3.0-litre straight-six engine is the BMW X4 xDrive 30d (fuel consumption urban/extra-urban/combined: 6.6–6.2*/5.7–5.4*/6.1–5.7* l/100 km [42.8–45.5/49.6–52.3/46.3–49.6 mpg imp]; CO₂ emissions combined: 159–149* g/km). It develops 190 kW/258 hp and peak torque of 560 Nm (413 lb-ft).

The new-generation 2.0-litre diesel engine in the BMW X4 xDrive20d (fuel consumption urban/extra-urban/combined: 5.8–5.4*/5.1–4.8*/5.4–5.0* l/100 km; CO₂ emissions combined: 141–131* g/km) with eight-speed Steptronic transmission also sets the benchmark when it comes to fuel economy and CO₂ emissions. Its newly developed four-cylinder unit produces 140 kW/190 hp and peak torque of 400 Nm (295 lb-ft). Both the BMW X4 xDrive 28i (fuel consumption urban/extra-urban/combined: 9.3–8.7*/6.3–5.9*/7.4–7.0* l/100 km [30.4–32.5/44.8–47.9/38.2–40.3 mpg imp]; CO₂ emissions combined: 172–162* g/km) and BMW xDrive 20i (fuel consumption urban/extra-urban/combined: 9.2–8.7*/6.3–5.9*/7.3–6.9* l/100 km [30.7–32.5/44.8–47.9/38.7–40.9 mpg imp]; CO₂ emissions combined: 171–161* g/km) are fitted with lightweight and powerful four-cylinder units – producing 180 kW/258 hp and 135 kW/184 hp respectively.

*Figures with optional reduced-rolling-resistance tyres on 17-inch Streamline style 306 light-alloy wheels..

BMW EfficientDynamics: driving pleasure meets fuel economy.

The unparalleled BMW EfficientDynamics technology package also minimises the fuel consumption and emissions of the new BMW X4. Included are features such as the Auto Start Stop function and coasting function (if an eight-speed automatic gearbox is fitted), Brake Energy Regeneration and on-

demand operation of ancillary units, ensuring an admirable degree of environmental compatibility to go with maximum driving pleasure. Also available as an option to add further efficiency to the mix are fourth-generation reduced-rolling-resistance tyres, which reduce the CO₂ emissions of selected variants of the BMW X4 by another 7 g/km.

BMW ConnectedDrive: Services & Apps and assistance systems.

The BMW ConnectedDrive features available for the new X4 allow BMW to restate once again its leadership in the link-up of driver, vehicle and outside world. Among the highlights in the new BMW X4 are the full-colour BMW Head-Up Display, the anti-dazzle High Beam Assistant, and Driving Assistant Plus including Lane Departure Warning, Active Cruise Control with Stop & Go function, preventive pedestrian protection and a Collision Warning system, which applies the brakes with anything up to maximum stopping power as required. Added to which, the optional ConnectedDrive Services also allow drivers to sign up to innovative services such as Real Time Traffic Information (RTTI), the Concierge Service and Remote Services. Facebook, Twitter, AUPEO! personalised internet radio and music platforms like Deezer and Rhapsody have also been optimised for in-car usage and can be accessed easily on board the BMW X4.

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2.2 The new BMW M4 Convertible: A new dimension in aesthetic appeal and sporting ability.



The arrival of the new BMW M4 Convertible (fuel consumption combined: 9.1–8.7 l/100 km [31–32.5 mpg imp]; CO₂ emissions combined: 213–203 g/km) sees BMW M GmbH making another alluring addition to its legendary high-performance sports car line-up. The new M4 Convertible replicates the performance figures of the new BMW M3 Sedan (fuel consumption urban/extra-urban/combined: 8.8–8.3 l/100 km [32.1–34.0 mpg imp]; CO₂ emissions combined: 204–194 g/km) and the new BMW M4 Coupe (fuel consumption urban/extra-urban/combined: 8.8–8.3 l/100 km [32.1–34.0 mpg imp]; CO₂ emissions combined: 204–194 g/km), but emphasises its stylish and distinctive appearance through its individual character and places the fascination of sporty and dynamic open-top driving at centre stage. The new model finds BMW M GmbH drawing inspiration from a long tradition: BMW's high-performance sports car for track and road is entering its fifth generation in open-top form with this new chapter in its history headed "M4 Convertible".

The BMW M4 Convertible shares the elegant lines of its open-top 4 Series siblings. Its design language allows it to skilfully blend a distinctive and graceful silhouette boasting finely balanced proportions when the roof is open with an exceptionally dynamic coupe line, shorn of B-pillars, with the hardtop closed. At the same time, the M4 Convertible's styling cues – including a signature power dome for the bonnet, eye-catching exterior mirrors in twin-stalk style and flared front and rear wheel arches bulging over forged light-alloy wheels with mixed tyres (available in 18 or 19-inch design) – all identify it clearly as a member of the BMW M3/M4 model family.

Powering the BMW M4 Convertible is the newly developed six-cylinder in-line engine with M TwinPower Turbo technology and high-revving character already familiar from the M3 Sedan and the M4 Coupe. The power unit generates maximum output of 317 kW/431 hp from its 3.0-litre displacement and serves up peak torque of 550 Newton metres (406 lb-ft) across a wide rev band. The BMW M4 Convertible therefore offers the driver not only exceptionally sporty performance attributes – the sprint from 0 to 100 km/h (62 mph) takes just 4.4 seconds (with the optional seven-speed M Double Clutch Transmission) – but also sufficient reserves of power to cruise along in relaxed but rapid style with the roof down.

Like the BMW M3 Sedan and BMW M4 Coupe, the BMW M4 Convertible also displays a strict adherence to the intelligent lightweight construction principle. For example, the bonnet and front side panels are made from aluminium, as are many components of the high-performance chassis. Added to which, ultra-lightweight and – thanks to its hugely impressive rigidity – also extremely durable carbon-fibre-reinforced plastic (CFRP) is employed in many areas of the new M4 Convertible. The drive shaft is one example, the use of CFRP allowing it to be constructed as a single-piece unit. This makes for a significant weight saving and a reduction in rotating masses. The CFRP high-precision front strut brace in the engine compartment, meanwhile, weighs only 1.5 kilograms yet offers rigidity superior to that of a comparable aluminium component. It therefore plays a key part in the car's excellent steering response and precision.

The three-section folding metal roof of the BMW M4 Convertible has full interior lining and represents a compelling proposition with its excellent soundproofing and winter-proof construction. The roof opens at the touch of a button in under 20 seconds – while travelling at up to 18 km/h (11 mph), if required.

Complementing its already extensive standard specification, the new BMW M4 Convertible can also be ordered with a wealth of attractive options to further enhance its aesthetic appeal, dynamic prowess and comfort levels. And for that distinctive personal touch, the exclusive BMW Individual range of equipment offers the prospect of a unique driving experience. Special colours and materials can be fine-tuned to the driver's wishes.

For the latest information about US specifications, including fuel efficiency, equipment, and pricing, please visit www.bmwusa.com.

2.3 The BMW 4 Series Gran Coupe: New elegance and luxury in the mid-size segment.



BMW presents the new BMW 4 Series Gran Coupe (fuel consumption combined: 8.1–4.5 l/100 km [34.8–62.7 mpg imp]; CO₂ emissions combined: 189–119 g/km), the first four-door Coupe in the premium mid-size class that represents a consistent extension of the model range. Following the BMW 4 Series Coupe (fuel consumption combined: 8.4–4.6 l/100 km [33.6–61.4 mpg imp]; CO₂ emissions combined: 197–121 g/km) and Convertible (fuel consumption combined: 8.4–4.8 l/100 km [33.6–59 mpg imp]; CO₂ emissions combined: 195–127 g/km), the Gran Coupe is the third member of the new BMW 4 Series family and – with its well-balanced proportions – is longer, wider and more dynamic than any mid-size model series before it. The BMW 4 Series Gran Coupe merges the stylistic qualities of the two-door Coupe with the functionality of four doors and generous levels of space behind the high-opening tailgate.

Perfect balance and enhanced presence in the mid-size range.

The BMW 4 Series Gran Coupe has exactly the same dimensions as the two-door Coupe: a length of 4,638 millimetres, a width of 1,825 millimetres and a wheelbase of 2,810 millimetres. Up front, both models are identical and share the typical BMW design features like the double-kidney grille, twin round headlights and the large air intake in the front apron. However, the roof of the BMW 4 Series Gran Coupe is 12 millimetres 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 Coupe to express perfect balance combined with a bold presence.

This extended roofline highlights the elegance and sophistication of the BMW 4 Series Gran Coupe while setting new standards for aesthetics in the mid-size 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 litres is 35 litres 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 Coupe.

Dynamic and elegant concept with functional features.

When compared with a two-door Coupe, the BMW 4 Series Gran Coupe 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 mid-size Coupes that emphasise 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 freestanding 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 litres and is best-in-class when it comes to the premium four-door Coupes 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 customisation options offered by three special equipment packages, the M Sport package and the BMW Individual programme.

The interior of the BMW 4 Series Gran Coupe 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 utilisation 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 Coupe. 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 programme offered at market launch includes options for creating an exclusive vehicle with special leather interior packages, exterior colours 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 Coupe offers a choice of five powerful, refined and efficient engines at launch. The high end is represented by the 435i's six-cylinder in-line 3.0-litre petrol engine delivering 225 kW/306 hp (fuel consumption urban/extra-urban/combined: 11.4/6.2/8.1 l/100 km [24.7/45.5/34.8 mpg imp]; CO₂ emissions combined: 189 g/km). The BMW 428i Gran Coupe (fuel consumption urban/extra-urban/combined: 8.9/5.3/6.6 l/100 km [31.7/53.3/42.8 mpg imp]; CO₂ emissions combined: 154 g/km) and the BMW 420i Gran Coupe (fuel consumption urban/extra-urban/combined: 8.7/5.1/6.4 l/100 km [32.4/55.3/44.1 mpg imp]; CO₂ emissions combined: 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 Coupe are known for their smoothness, torque and outstanding efficiency. The BMW 420d Gran Coupe (fuel consumption urban/extra-urban/combined: 5.8/4.1/4.7 l/100 [48.7/68.9/60.1 mpg imp]; CO₂ emissions combined: 124 g/km) delivers 135 kW/184 hp with an average fuel consumption, depending on tyres, of only 4.7 to 4.9 l/100 kilometres / 60.1 to 57.6 mpg imp (4.6 to 4.7 litres / 61.4 to 60.1 mpg imp 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 Coupe (fuel consumption urban/extra-urban/combined: 5.4/4.0/4.5 l/100 km [52.3/70.6/62.7 mpg imp]; CO₂ emissions combined: 119 g/km) has an output of 105 kW/143 hp and consumes 4.5 to 4.7 l/100 kilometres (62.7 to 60.1 mpg imp).

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 Coupe and 420d Gran Coupe 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 [31.3/51.3/41.5 mpg imp]; CO₂ emissions combined: 159 g/km; 420d xDrive: fuel consumption urban/extra-urban/combined: 6.1/4.2/4.9 l/100 km [46.3/67.2/57.6 mpg imp]; CO₂ emissions combined: 129 g/km). The standard variant of the new BMW 4 Series Gran Coupe 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 Coupe 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 optimised 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 per cent connectivity.

The entire range of BMW ConnectedDrive options can be ordered for the BMW 4 Series Gran Coupe. Among the highlights are the Navigation System Professional, the full-colour BMW Head-Up Display, Driving Assistant, the glare-free High Beam Assistant, Active Protection and the latest development stage of 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.

Also available under the BMW ConnectedDrive umbrella are Real Time Traffic Information (RTTI), Concierge Services and the Intelligent Emergency Call function. A range of apps enable the use of Facebook and Twitter, AUPEO! internet radio and music platforms like Deezer and Rhapsody.

For the latest information about US specifications, including fuel efficiency, equipment, and pricing, please visit www.bmwusa.com.

2.4 The BMW X3: Powerful, exclusive appearance and maximum versatility.



It was back in 2003 that BMW founded the new mid-size Sports Activity Vehicle (SAV) segment with the launch of the X3. That means the BMW X3 has been a paragon of sporty dynamics, premium ambience and robust agility, coupled with low fuel consumption and emissions, for over 10 years now – racking up sales figures of more than one million units in the process. The second generation of the successful BMW X3 has made a compelling case for itself since its introduction in 2010, boasting the best interior and boot measurements and the greatest versatility in its class.

And now the new BMW X3 (fuel consumption combined: 8.3–4.7* l/100 km [34.0–60.1 mpg imp]; CO₂ emissions combined: 193–124* g/km) is set to build inexorably on its segment leadership. A pair of new-generation diesel engines, producing more power but once again burning less fuel, serve to improve dynamic performance and reduce pollutant emissions. The exterior and interior design of the new BMW X3 reveal stylistic revisions and also add further depth to the car's practicality with detail solutions responding to customer requirements.

Dynamic appearance and exclusive ambience.

The new BMW X3 cuts a visually more powerful figure with its new, modified twin circular headlights (LED headlights are optional), a more eye-catching kidney grille, new front and rear bumpers, and exterior mirrors with integrated turn signal indicators – shining an even brighter spotlight on signature BMW X model design features. A high level of perceived quality and exclusivity also defines the interior of the new BMW X3. Chrome applications, a centre console with optional automatic climate control system in high-gloss black-panel look, and new cupholders with a sliding cover for the centre console underline the car's premium appearance. New exterior colours, upholstery designs, interior trim strips and light-alloy wheels enable even more refined individualisation. The new xLine equipment package, meanwhile, allows owners to lend greater emphasis still to the dynamic and robust SAV character of the BMW X3. And the Smart Opener for the automatic tailgate and storage package (both optional) further enhance the already impressive functionality of the BMW X3.

* Figures with optional reduced-rolling-resistance tyres on 17-inch Streamline style 306 wheels.

World premiere for the new 2.0-litre diesel unit with 140 kW/190 hp.

The new BMW X3 is available from launch with a choice of four diesel and three petrol engines, with outputs ranging from 110 kW/150 hp to 230 kW/313 hp. The state-of-the-art units with BMW TwinPower Turbo technology guarantee outstanding performance combined with low fuel consumption, and all meet the EU6 exhaust gas standard. At the same time, the output of the X3 xDrive20d (fuel consumption urban/extra-urban/combined: 5.8–5.4*/5.1–4.8*/5.4–5.0* l/100 km [48.7–52.3/55.4–58.9/52.3–56.5 mpg imp]; CO₂ emissions combined: 141–131* g/km), for example, rises from 135 kW/184 hp to 140 kW/190 hp, while the fuel consumption of the automatic version is 7.1 per cent lower than that of its predecessor. The BMW X3 xDrive20d, which gives this new 2.0-litre turbo diesel its global premiere, therefore sets the benchmark in its class. It is an achievement matched by the new 110 kW/150 hp BMW X3 sDrive18d (fuel consumption urban/extra-urban/combined: 5.8–5.4*/4.7–4.3*/5.1–4.7* l/100 km [48.7–52.3/60.1–65.7/55.4–60.1 mpg imp]; CO₂ emissions combined: 134–124* g/km) with classical rear-wheel drive and a six-speed manual gearbox. Likewise leading the way in their segments are the BMW X3 xDrive28i (fuel consumption urban/extra-urban/combined: 9.3–8.7*/6.3–5.9*/7.4–7.0* l/100 km (30.4–32.4/44.8–47.8/38.2–40.3 mpg imp); CO₂ emissions combined: 172–162* g/km) with 180 kW/245 hp and the BMW X3 xDrive35i (fuel consumption urban/extra-urban/combined: 10.7/6.9/8.3 l/100 km [26.4/40.9/34.0 mpg imp]; CO₂ emissions combined: 193 g/km) with 225 kW/306 hp.

BMW EfficientDynamics: driving pleasure and low fuel consumption.

The trailblazing BMW EfficientDynamics package of technology brings the Auto Start Stop function, coasting function, Brake Energy Regeneration and on-demand operation of ancillary units to the new BMW X3, resulting in the lowest fuel consumption and emissions in the segment. In addition, fourth-generation low-rolling-resistance tyres make a significant contribution to the excellent environmental performance of the new BMW X3 by reducing CO₂ emissions by 7 g/km.

BMW ConnectedDrive: driver assistance and infotainment.

The new BMW X3 advances the company's commitment to the link-up of driver, vehicle and outside world, an area in which BMW is an undisputed leader. Among the outstanding new features from BMW ConnectedDrive on board the BMW X3 are the iDrive Controller with integrated touchpad (for text input using finger movements), Parking Assistant, the full-colour BMW Head-

* Figures with optional reduced-rolling-resistance tyres on 17-inch Streamline style 306 wheels.

Up Display, the anti-dazzle High Beam Assistant and Driving Assistant Plus, including Active Cruise Control with Stop & Go function and preventive pedestrian protection.

Also available under the BMW ConnectedDrive umbrella are Real Time Traffic Information (RTTI), Concierge Services and the Intelligent Emergency Call function. A range of apps enable the use of Facebook and Twitter, AUPEO! internet radio and music platforms like Deezer and Rhapsody.

For the latest information about US specifications, including fuel efficiency, equipment, and pricing, please visit www.bmwusa.com.

2.5 The BMW Concept X5 eDrive: BMW eDrive meets BMW xDrive.



The new BMW X5 has already raised efficiency to a whole new level in the world of the luxury Sports Activity Vehicle (SAV). BMW is using the New York International Auto Show 2014 to present what it sees as the logical next step towards bringing about a radical reduction in fuel consumption and emissions in the SAV segment. The BMW Concept X5 eDrive succeeds in fusing the familiar brand of driving pleasure generated by the xDrive intelligent all-wheel-drive system and a luxurious ambience enshrined within an interior offering tremendous versatility of use with a plug-in hybrid drive system. A conventional combustion engine works together in perfect harmony with the cutting-edge BMW eDrive technology to produce the sporty drive for which the brand is renowned while operating with exceptional efficiency. As a result, the car is able to drive on electric power alone at speeds of up to 120 km/h (75 mph) and for a distance of up to 30 kilometres (approx. 20 miles), while recording average fuel consumption figures of 3.8 l/100 kilometres (74.3 mpg imp) in the EU test cycle.

The concept study has undergone a series of detailed refinements in preparation for its appearance at the New York International Auto Show and is equipped with a drive system comprising a 180 kW/245 hp four-cylinder petrol engine with BMW TwinPower Turbo technology and a 70 kW/95 hp electric motor. The motor is supplied with power from a lithium-ion battery that can be charged from any domestic socket and has sufficient capacity to enable all-electric driving with zero local emissions for a range of up to 30 kilometres (approx. 20 miles). To ensure a particularly high level of crash safety, the high-voltage battery developed for the BMW Concept X5 eDrive has been housed underneath the luggage compartment, whose load capacity remains virtually unchanged as a result.

Various drive system and driving modes are available to suit requirements and the situation in hand. The familiar COMFORT, SPORT and ECO PRO modes can be selected with the Driving Experience Control switch, allowing the intelligent hybrid drive system to be fine-tuned to produce the desired balance between sportiness and efficiency. What's more, two further drive system modes can be activated at the push of a button as an alternative to the AUTO eDrive setting: MAX eDrive for driving solely on electric power in city traffic and SAVE Battery for maintaining the current battery charge.

Majestic poise at its most sophisticated: dynamic, flexible, luxurious, plus zero tailpipe emissions if required.

Thanks to the BMW eDrive technology that has been developed specifically for this model, the concept car brings a whole new brand of poise and assurance to the SAV segment. The formidable power reserves produced by its duo of drive units, its outstanding levels of motoring comfort and the optimised traction, handling stability and dynamic performance qualities over any terrain courtesy of BMW xDrive technology endow it with the all-round sporty prowess typically associated with BMW X models, while its landmark efficiency blazes a trail for its rivals to follow. The ability to operate purely on electric power with zero local emissions, especially in city traffic, puts a whole new slant on the SAV driving experience that shows the shape of things to come. At the same time, the plug-in hybrid drive concept does not impinge in any way on the exemplary versatility offered by the Sports Activity Vehicle's interior or its wonderfully luxurious ambience. In short, the BMW Concept X5 eDrive shows itself to be supremely talented in every way, deftly bringing major advances in cutting fuel consumption and emissions into harmony with state-of-the-art functionality and everyday practicality that never fails to impress.

A number of understated styling touches have been meticulously incorporated into the exterior design to underline the groundbreaking character of the BMW Concept X5 eDrive. The kidney grille bars, air intake bars and the insert in the rear bumper are all finished in the BMW i Blue colour developed for the BMW i brand, for instance, creating a stunning contrast to the Silverflake metallic exterior paintwork. The BMW Concept X5 eDrive also comes with body-coloured wheel arches, specially styled roof rails, a connector for the charging cable that lights up during charging, as well as 21-inch light-alloy wheels in an exclusive, streamlined design.

To make sure that the styling of the luxurious passenger compartment echoes the highly sophisticated drive concept, light blue double-felled seams adorn the Ivory White exclusive leather upholstery covering the seats, door trim panels and dashboard. Further highlight features of the specially designed interior include the Piano Finish Black interior trim with blue accent strips, ambient lighting with a blue hue, and an eDrive button that is also illuminated in blue. And in the luggage compartment lined in blue velour, a transparent cover affords a clear view of the high-voltage battery for the electric motor.

BMW eDrive in a Sports Activity Vehicle: intelligent hybrid technology promises outstanding efficiency and hallmark driving pleasure.

Electrification of the powertrain allows BMW to unlock tremendous potential for reducing fuel consumption and emissions. The BMW eDrive technology developed for this purpose comes in various versions, each precisely tailored to the particular vehicle concept. Both the BMW i3, the first all-electric production vehicle from the BMW Group, and the soon-to-be-launched BMW i8 plug-in hybrid sports car are powered by BMW eDrive technology. The BMW Concept X5 eDrive now follows in the tyre tracks of the BMW Concept Active Tourer unveiled in 2012 by demonstrating how model-specific BMW eDrive technology can be employed in plug-in hybrid models from the BMW core brand.

This is the first time that BMW eDrive technology has been hooked up with the BMW xDrive intelligent all-wheel-drive system. The BMW Concept X5 eDrive boasts the superior driving characteristics that stem from the electronically controlled and fully variable distribution of drive power between the front and rear wheels. Regardless of the selected driving mode, the drive power generated by the electric motor, the engine or the two units acting in unison is channelled swiftly and precisely to wherever it can be converted into forward propulsion most effectively. This allows the concept study to deliver all the qualities that SAVs are renowned for – superb traction and optimised handling stability in all weather and road conditions coupled with enhanced agility when taking corners at speed – in remarkably efficient fashion. The highly versatile and sporty driving abilities of the BMW Concept X5 eDrive are accompanied by average fuel consumption on the EU test cycle of 3.8 l/100 km (74.3 mpg imp) and CO₂ emissions of under 90 grams per kilometre.

Both driving pleasure and efficiency in the BMW Concept X5 eDrive are given an extra boost by an electric motor generating a maximum output of 70 kW/95 hp together with the instantaneous power delivery that has become a hallmark of electric drive units thanks to the high levels of torque available from the word go. The electric motor variant developed for the BMW Concept X5 eDrive additionally comes with sporty performance credentials and a compact, weight-saving design. The electric motor alone is capable of propelling the BMW Concept X5 eDrive to a top speed of 120 km/h (75 mph). With 250 Newton metres (184 lb-ft) of torque on tap from stationary, it gives the vehicle wonderfully spontaneous response that translates into breathtakingly dynamic acceleration. It also works in tandem with the combustion engine to boost its power significantly whenever a quick

burst of speed is called for. The BMW Concept X5 eDrive is able to complete the standard sprint from rest to 100 km/h (62 mph) in under 7.0 seconds.

The task of ensuring the engine and electric motor team up together to optimum effect is handled by the power electronics that were developed by the BMW Group and apply the same basic concept used in the BMW i cars. The power electronics combine a liquid-cooled inverter for driving the electric motor, supplying energy to the onboard electrical system from the high-voltage battery and for centralised control of the hybrid-specific drive functions into a single integrated system.

ECO PRO mode and all-electric driving: efficiency à la carte.

Like other members of the current BMW production line-up, the BMW Concept X5 eDrive also includes a Driving Experience Control switch for selecting not only the COMFORT and SPORT settings but also the ECO PRO mode that fosters a particularly economical driving style. This default driving mode is activated automatically when the car is started and is programmed for highly intelligent hybrid functionality, whereby the energy management system orchestrates the interaction between engine and electric drive unit as the driving situation changes in order to maximise efficiency. A hybrid-specific Proactive Driving Assistant has furthermore been included, which works together with the navigation system to allow the route profile, any speed restrictions and the traffic situation to be factored in as well for the purpose of drive management.

In addition to this, the driver also has the option of engaging the all-electric driving mode by switching from AUTO eDrive to the MAX eDrive setting at the push of a button. With the battery fully charged, the vehicle is able to cover a distance of up to 30 kilometres (approx. 20 miles) on electric power alone, meaning zero tailpipe emissions. There is also a SAVE Battery mode, which can be selected to deliberately preserve the battery's energy capacity. This might be the case, for example, if a longer journey is due to end with a final stage through urban traffic that drivers wish to complete in all-electric mode.

Everyday usability: flexible charging scenarios and impressive viability.

In order to capitalise as much as possible on the superior efficiency of its electrified powertrain, the BMW Concept X5 eDrive is designed as a plug-in hybrid, allowing its high-voltage battery's energy levels to be renewed from any domestic power socket, a special Wallbox that can handle higher currents, or at a public charging station. The Wallbox Pro is designed for installation in the customer's garage and offers complete ease of use as well as short battery recharging times, thanks to a maximum charging rate of 3.7 kW. It is

controlled by means of a high-resolution touchscreen including proximity sensor, while LED light strips provide an additional indication of the charge status. The built-in load management facility governs the charging current in accordance with the current draw on the household electricity supply. The Wallbox Pro even makes it possible to use home-generated electricity, such as that obtained from solar panels. There is also a function for creating different user profiles and displaying the respective charging histories. The corresponding data can be sent online on request, e.g. for billing purposes.

The high degree of flexibility drivers can enjoy when it comes to choosing an energy source is given an added boost by the charging cable that is carried in the vehicle and stored underneath the luggage compartment's flat load floor. The battery unit is located one level lower again, meaning that there is only a small loss of load capacity overall – the luggage compartment is able to hold two large suitcases or four 46-inch golf bags. The SAV's excellent versatility – helped by the 40:20:40 split-folding rear backrest – has been fully retained, along with its ample sense of spaciousness and the impressive level of comfort offered to the occupants of all five seats.

Intelligent connectivity for yet greater efficiency.

Innovative functions from BMW ConnectedDrive assist with planning journeys in such a way as to maximise the amount of time spent driving on electric power alone. In the BMW Concept X5 eDrive, the current electric range appears as a numerical value in the instrument cluster. Intelligent connectivity enables the vehicle's dynamic range display to constantly make allowances for any factors affecting the range, such as traffic conditions, route profile and driving style.

When route guidance is activated, the location of local charging stations is added to the selection of points of interest shown on the navigation map. Drivers are able to call up charging stations situated along the planned route or at their destination, while the system additionally notifies them of the charging time needed to fully replenish the battery's energy levels. What's more, information graphics indicating the current operating status when engine and motor work together in unison, the impact of the driving style on vehicle efficiency and the fuel consumption history for selected periods of time can be shown in the iDrive operating system's Control Display, along with other information.

Drivers are also able to view all information relating to the battery's charge level and electric driving range on their smartphone. A Remote app from BMW ConnectedDrive that has been specially designed with electric mobility in mind even enables them to control the charging process from their phone. It also allows the vehicle to be pre-programmed whenever it is connected to an electricity supply: the heating and air conditioning systems can be activated remotely in this way to get the passenger compartment to a pleasant temperature ready for the start of the journey.

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