

BMW 7 Series
High Security



Sheer
Driving Pleasure



THE BMW 7 SERIES HIGH SECURITY.

SECURITY REDEFINED.

Some people stand out from the crowd – and this in itself makes them vulnerable. But now there is a saloon that offers the highest possible levels of security on the move. BMW is the first manufacturer to offer a car that is fully compliant with the requirements of the class VR7 ballistic protection standard (tested as per BRV 2009 guidelines). At the same time, the BMW 7 Series High Security delivers an unforgettable driving experience. Because the one thing you never get from BMW is compromises.

**PERFECT PROTECTION CAN BE DEFINED
IN THREE WORDS: BMW HIGH SECURITY.**

**WE DON'T ASPIRE TO MEET
THE HIGHEST STANDARDS.
WE ASPIRE TO EXCEED THEM.**

People who bear the greatest responsibilities should be able to rely on the greatest protection – without having to sacrifice the unique driving experience that only a BMW 7 Series can offer.

BMW has been setting new standards in the design and construction of armoured vehicles for over 30 years. The new BMW 7 Series High Security continues this tradition in impressive style. Climb in and settle back in the generously proportioned rear, safe in the knowledge that you couldn't be in a more secure or more relaxing environment.

7:53 p.m. | Climb in and relax.



A CUSTOM-BUILT MASTERPIECE.

Leaders have enough to think about without worrying about their personal safety. And thanks to the uncompromising BMW approach to security, now they don't have to.

Every BMW 7 Series High Security is custom-built, and every stage of the process is carried out with a craftsman's attention to detail. The result is a vehicle that meets the highest standards of ballistic protection, while also fulfilling the most individual of requirements.



8:01 p.m. | On the move, in total safety.

DRIVING DYNAMICS AS A SECURITY
FEATURE.

Dealing with difficulties quickly and decisively requires the ability to perform on demand. The BMW 7 Series High Security offers the highest possible levels of protection – while also offering drivers the characteristic dynamic responses of a BMW.

Modified suspension, powerful engines and intelligent use of materials all help ensure that at critical moments, the BMW 7 Series High Security can always rise to the challenge.



8:13 p.m. | Eyes fixed on the road ahead.

SAFETY IS ABOUT ELIMINATING DANGER. NOT COMFORT.

The sort of person who pushes themselves to their limits every day needs to make sure they find time to unwind. And the back seat of the BMW 7 Series High Security is the perfect place to do just that. It offers a stylish and roomy space where cares and troubles seem far away.

This is why the BMW 7 Series High Security is only available in the long wheelbase version, and why it offers such an enormous range of equipment and trim options. That way, the occupants can focus on the task at hand – even if that task is just to relax.



8:16 p.m. | Feel completely at home.



VR7^{*} [vehicle resistance class]

**CERTIFIED HIGH SECURITY –
READY FOR ANYTHING.**

If you want to develop protection that works in the greatest possible variety of danger situations, the one thing you can't afford to do is stand still. Fortunately BMW has a long history of raising the benchmark ever higher – a history that the BMW 7 Series High Security most definitely continues.

This is the world's first armoured saloon to be fully compliant with the new class VR7 ballistic protection standard, and in fact, many parts of it are actually compliant with the class VR9 standard.* But even that was not enough for BMW – which is why the vehicle was subjected to a rigorous programme of extra tests that go far beyond the requirements of the official standards.

As a result, you can be confident that the BMW 7 Series High Security will protect you against any terrorist attack. Of course, hopefully this worst-case scenario will never materialize – but security means knowing that you're ready for anything.

* The vehicle as a whole complies with the requirements for class VR7 ballistic protection (tested as per BRV 2009 guidelines). The non-transparent area and many parts of the transparent area comply with the requirements for class VR9 ballistic protection (tested as per BRV 2009 guidelines).

420

[hours of extra work]

**YOU CAN'T HURRY
HIGH SECURITY.**



Every BMW is built with enormous precision and care, and we adhere to the strictest quality standards throughout our global manufacturing network. But with the BMW 7 Series High Security we go a step further. Every car is custom-built, and naturally we do all the work ourselves – because we wouldn't trust anyone else with something as important as your safety.

This is why only BMW offers maximum protection, made by BMW. This means an extra 420 hours of work goes into each car, but it's time and effort well spent. The technicians in the BMW High Security workshop ensure that the security modifications are incorporated to the highest standards imaginable, and that all the customer's individual wishes are taken care of.

As you would expect, only the finest materials are used to achieve this. In-depth discussions are held with every potential customer, to ensure that all your questions are answered – and that your BMW 7 Series High Security will be yours in the fullest sense, built to your specific requirements.



20 [per cent fewer armour components]

CUSTOM-BUILT HIGH SECURITY – PROTECTION THAT FITS LIKE A SECOND SKIN.

Normally, the principle of good design is that form follows function. But here, as in so many ways, the BMW 7 Series High Security is an exception. The security functions are designed around the form of the standard model.

This ensures the vehicle is as discreet as possible, and that the overall harmony of the design – the dynamic proportions, the sculptural surfaces, the incomparably elegant lines – remains unaffected. By using a special manufacturing process, BMW has been able to reduce the number of separate armour components needed by around 20 per cent. The armour plates are made from an incredibly strong special steel, and fit the bodywork of the car like a second skin.

Reducing the number of components increases the level of protection for the occupants, as there are much fewer potential points of vulnerability. The custom-manufacturing process also means that the airbags can stay in their usual places, so the sense of space inside the vehicle is as uncompromised as passenger security.

6.2^{*}

[seconds from 0 to 100 km/h]

THE DRIVING FORCE BEHIND HIGH SECURITY – THE ABILITY TO LEAVE DANGER BEHIND.



The goal our engineers set themselves couldn't be tougher: BMW vehicles deserve nothing less than the best engines in the world. And nowhere is this more true than in the BMW 7 Series High Security. When danger threatens, every second counts, and optimum protection is not achieved through innovative armour technologies alone, but by combining these with maximum vehicle responsiveness.

But the two high-performance engines available for the BMW 7 Series High Security don't just deliver impressive acceleration (0 to 100 km/h in 6.2* or 7.9** seconds). Their advanced technology also ensures that they are surprisingly economical.

As a result, the BMW 7 Series High Security is not just a leader in engine and protective performance, it also sets a good environmental example.

* Acceleration figure for BMW 7 Series High Security with V12 engine.
** Acceleration figure for BMW 7 Series High Security with V8 engine.





M 16
5.56 x 45 (SS 109)



Heckler & Koch G3
7.62 x 51



Steyer AUG
5.56 x 45



FN FAL
7.62 x 51 AP



Kalashnikov RPK-74
5.45 x 39



Kalashnikov AK-47
7.62 x 39

HIGH SECURITY BALLISTIC TESTING – SAFETY JUST GOT SAFER.

Security comes from certainty – which is why the BMW 7 Series High Security was subjected by BMW specialists to the most extreme tests they could devise. The vehicle as a whole – as opposed to the individual armour components – was fired at with a wide variety of weapons, using different sorts of ammunition and from a range of angles. The result is a car you can literally trust with your life: this is the first armoured saloon to have been certified in its entirety for compliance with the new class VR7 ballistic protection standard by a German government test facility (tested as per BRV 2009 guidelines). In fact, the non-transparent area and large parts of the transparent area even fulfil the requirements of the class VR9 standard (tested as per BRV 2009 guidelines).

Full metal jacket and armour-piercing, rigid core ammunition, explosives and hand grenades: the comprehensive testing regime allows us to be completely confident that the armour of the BMW 7 Series High Security can withstand terrorist attacks. The edges of the doors, the places where windows meet frames, and the joins between body panels are obviously the most vulnerable parts of the vehicle – so of course particular reinforcements are incorporated in all these areas.



1. Special composite glazing for side windows and front windscreen, with a polycarbonate coating on the inside to prevent spalling. 2. Precisely fitted overlapping steel armour panels ensure integrity of joins. 3. Extensive ballistic testing with full metal jacket and armour-piercing, rigid core ammunition of various calibres.



**Side windows and doors:
maximum protection and convenience.**

Special composite glazing is used for the side windows. Customers can choose whether or not these can be opened. The doors too retain the full functionality of the standard design, and open out just as far, despite the extra mass of the armour.

**Self-sealing when shot:
the safety fuel tank (optional).**

In the BMW 7 Series High Security, this especially vulnerable area gets special protection: the outer walls of the tank are self-sealing, while the inside is coated with an anti-explosive material.

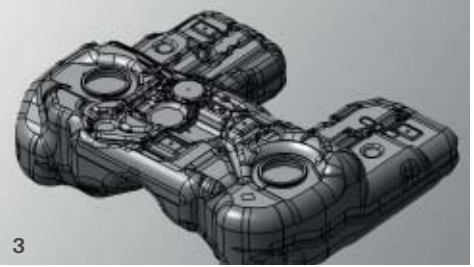
**Keeping you mobile when it matters most:
runflat tyres.**

Runflat tyres with a semi-rigid ring (Michelin PAX system) are fitted as standard, allowing the vehicle to continue for approximately 50 kilometres, at speeds of up to 80 km/h, even after a sudden loss of tyre pressure.

DESIGNED FOR HIGH SECURITY – PERFECTION DOWN TO THE LAST DETAIL.

Details matter: in order to redefine what security means, it was necessary to combine a wide variety of different materials, synchronize a huge number of process steps, and bring together expertise from disparate technical areas. The result is a BMW 7 Series High Security that is every inch an original BMW.

Individual components are subject to the same exacting requirements as the car as a whole. For example, the vehicle floor is fitted with an aramid-underlaid steel plate to protect against hand grenades. Special glazing, armouring of joins, a safety fuel tank (optional), and modified suspension and brakes: the comprehensive BMW approach to security consists of bringing together innovative technologies that are individually impressive, and collectively unbeatable.



1. Optional: side windows that open by up to 210 millimetres. **2.** Runflat tyres: in the event of a loss of pressure, the tyre is held in shape by the semi-rigid ring inside. **3.** Optional: self-sealing tank coated inside with an anti-explosive material.

HIGH SECURITY SPECIAL FUNCTIONS – PROTECTION IN ANY SITUATION.

Perfect protection means being ready for all eventualities: this is why our engineers are always coming up with new solutions designed for different scenarios. Be it a fire in the engine compartment or under the vehicle, tear gas on the streets, or a jammed door, in the BMW 7 Series High Security you can be confident your vehicle can handle it.

For example, highly sensitive temperature sensors automatically activate the fire extinguisher system when needed. Another sensor monitors air composition – once a certain level of tear gas is registered, the interior protection facility is activated and the optional emergency fresh-air system ensures a temporary supply of breathable air to the occupants. Emergency exit via the front windscreen has been further optimized, and thanks to a special device it is now easier and quicker to operate. If there are any other security features you would like incorporated into your car, we would be happy to discuss these with you and work out a suitable solution.



1. Emergency exit via front windscreen, with pyrotechnic detonation. **2.** Fire extinguisher system with extinguisher reservoir in luggage compartment. **3.** Emergency fresh-air system with air reservoir in luggage compartment.





HIGH SECURITY INNOVATIONS – EVERYTHING IN SIGHT, EVERYTHING TO HAND.

Security while driving depends largely on the driver. And at BMW, the driver has always been at the centre of our thinking. The slight angling of the centre console towards the steering wheel was a distinctive design feature of the very first BMW 7 Series. In the new BMW 7 Series High Security, it's symbolic of how the whole cockpit is built around the driver.

A wealth of innovations ensures drivers can see exactly what is going around them at all times, and react instantaneously when necessary. Only BMW includes functional bookmarks – user-programmable favourite buttons that drivers can use to summon help or display the quickest route home at the touch of a button – as standard. The innovative iDrive control system can also be used to operate security equipment such as warning lights, sirens and a two-way radio. And the optional BMW Night Vision system redefines what it means to keep an eye on the road. With its long-distance infrared technology, it can pick out people on the carriageway in poor visibility or at night at a range of up to 300 metres.



1. BMW Night Vision recognizes people and displays their position and distance from the car, sounding a warning if they are too close. **2.** The controls for the intercom and alarm systems are within easy reach of the driver's hand, yet hardly noticeable to observers outside the vehicle. **3.** Functional bookmarks allow security-related functions to be activated at the touch of a button. **4.** Official-use equipment is among the systems that can be controlled via iDrive.







HIGH SECURITY EXCLUSIVITY – AN UNRESTRICTED SENSE OF SPACE.

Status, pressure, responsibility: the sort of people who sit here will be used to high-level dealings and constant challenges. The time they spend in the back of the BMW 7 Series High Security will therefore be all the more enjoyable: here they are protected on all sides, yet free to stretch out and relax. As in the standard model, a huge variety of equipment and trim options are offered, allowing you to customize the vehicle to your own personal tastes.

The optional rear-seat entertainment Professional system allows two passengers to watch the same or different DVDs, follow the car's progress on the navigation system, or go on the Internet. 9.2-inch colour screens are built into the front headrests. The system is controlled via its own iDrive controller in the centre console. A special rear air conditioning system is also available, and the seat temperature too can be adjusted, with cool air being blown at the body through perforations in the leather. And to complete the relaxing effect, there is the optional new massage function in the rear-seat backrests.



1



2



3

1. iDrive controller in the rear centre console for operating entertainment, telephone and air conditioning systems (optional). 2. Preparation for mobile phone/separate telephone in rear (optional). 3. Cool box in centre console.

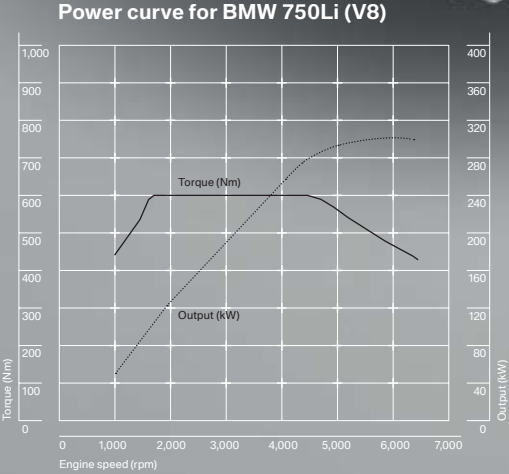
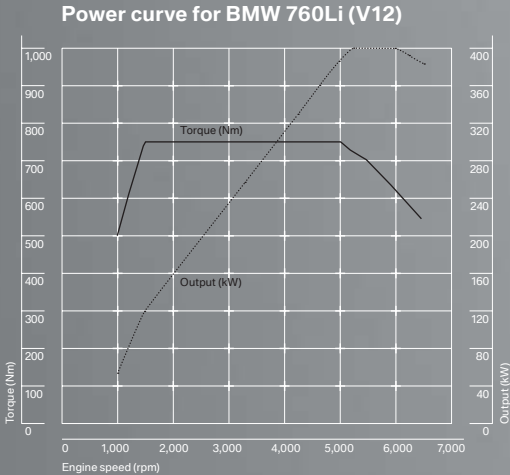
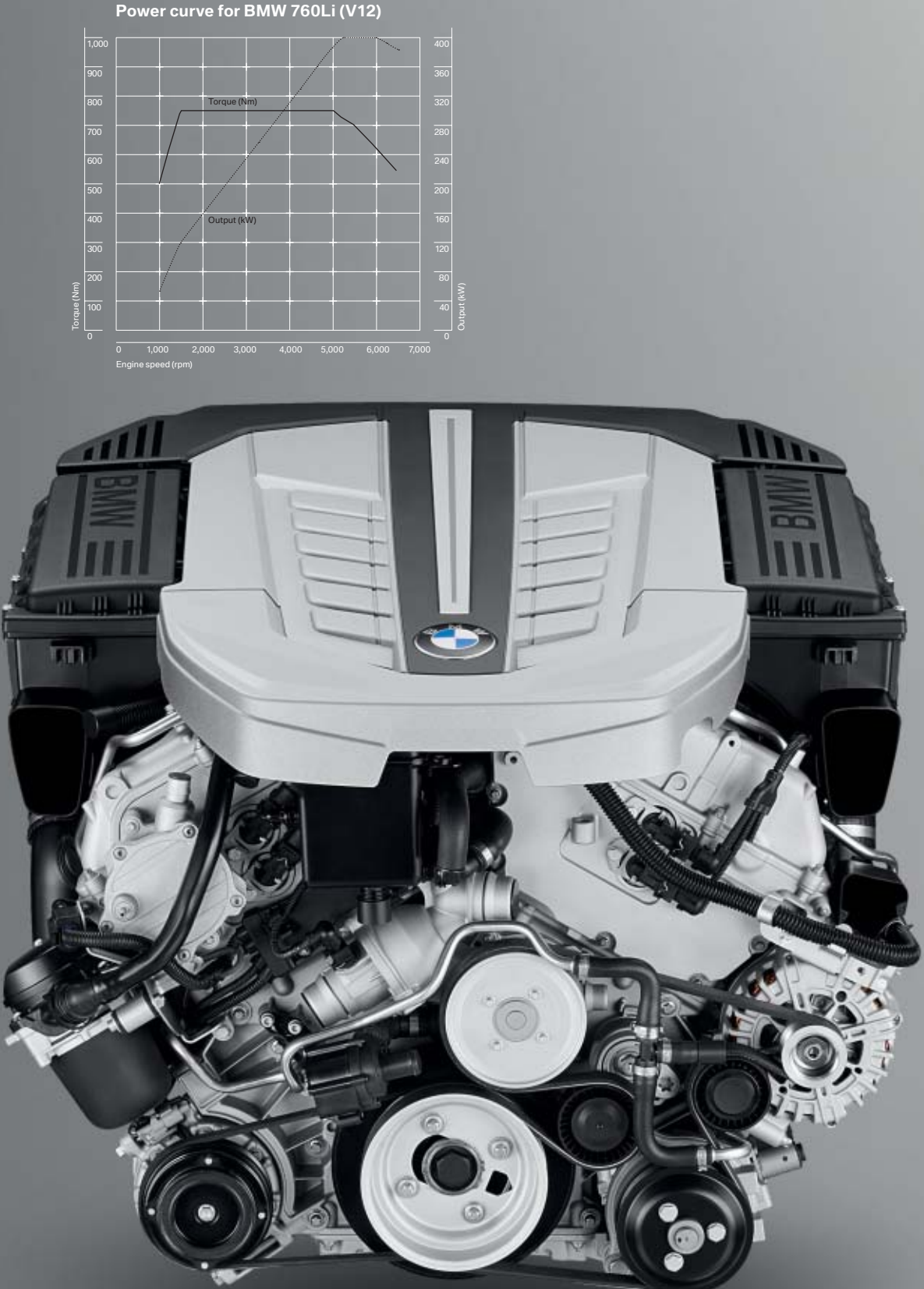


HIGH SECURITY HIGH PERFORMANCE – EFFORTLESS POWER DELIVERY.

For a top-level armoured saloon, only the best engines will do. And that means BMW engines. In the BMW 7 Series High Security, only our most powerful engines are used. The chassis, electronic driver aids and brakes have all been precisely recalibrated to take into account the increased vehicle weight. As a result, the responses of both the V8 and the V12 engine are almost indistinguishable from the corresponding standard models, ensuring the unique BMW driving experience is retained.

The raw numbers are impressive enough, but what truly takes the breath away is how effortlessly and economically the engines accelerate the BMW 7 Series High Security, at all speeds. The fuel consumption figures are startling for a vehicle of this type: the BMW 750Li High Security uses 12.9 litres of fuel per 100 kilometres, and the BMW 760Li High Security 14.5 litres.* The combination of BMW TwinPower Turbo technology with High Precision Injection is an engineering masterstroke that delivers serene throttle responses, giving BMW 7 Series High Security drivers the reserves of power that they need to respond instantaneously to any situation.

* Fuel consumption figures for the EU combined urban/extra-urban cycle (as defined in Directive 80/1268/EEC).



HIGH SECURITY OFFICIAL-USE TECHNOLOGIES – A STATEMENT OF AUTHORITY.

Sometimes you need more than just protection. For roles such as carrying dignitaries or security escort duties, a vehicle must have the ability to reveal in seconds that it is on official business in order to get the job done. BMW has been producing Authority Vehicles for over 50 years, working in close cooperation with authorities and government agencies all over the world.

Flashing lights, hailing systems with different siren effects, signalling devices, radios, and even flag holders for official use: the BMW 7 Series High Security can be equipped to handle any mission, in any country.



1. LED flashing lights can be located discreetly behind the BMW kidney grille. **2.** Flag holder for diplomatic and official use. **3.** Flashing lights for the roof can be attached to a mounting bar easily and quickly. **4.** A radio or firearm bracket can be mounted in the centre armrest.



An aerial, top-down view of a silver BMW 7 Series High Security sedan driving on a dark road at night. The car is centered in the frame, moving towards the viewer. Its headlights are on, and the license plate reads 'M VP 2205'. The road has white lane markings. To the left, a blurred red light suggests another vehicle. To the right, a blurred yellow light suggests another vehicle. The overall atmosphere is dark and mysterious.

8:34 p.m. | Take the direct route.

A SPECTACULAR WAY TO GO UNNOTICED.

Anonymity is a powerful security measure. The BMW 7 Series High Security is an instantly striking and spectacularly elegant vehicle – but only because it looks the same as the standard model. The security modifications are almost invisible.

From the armour plating and reinforced glass to the runflat tyres, all the security equipment has been designed to offer optimum protection while attracting minimum attention.



8:39 p.m. | Individuality has right of way.

SPECIAL REQUESTS GRANTED AS STANDARD.

People who lead where others only follow have to trust their own judgement – and when they specify their BMW 7 Series High Security, they can do just that. The comprehensive standard security equipment can be augmented and modified with almost anything that the customer wants.

BMW will be delighted to discuss your requirements with you. Because nobody knows better than you do what your mission is, what situations you will have to deal with, and what threats you will have to protect yourself against.



8:47 p.m. | Explore uncharted territory.

**ARRIVING SAFELY AT YOUR
DESTINATION IS GOOD.
LOOKING FORWARD TO YOUR NEXT
JOURNEY IS EVEN BETTER.**

THE RIGHT LEVEL OF PROTECTION FOR ANY THREAT.

How much protection you need depends on your circumstances – where you live and work, what your job involves, and how high your public profile is.

BMW is the only manufacturer that takes into account these differing needs by offering three levels of security, all of them drawing on more than 30 years’ experience of building armoured vehicles.

As such, BMW offers the world’s most comprehensive range of solutions for secure road travel – meaning everyone can get just what they need to feel safe.

Security.

The BMW 5 Series Security and BMW X5 Security offer class VR4 ballistic protection (against blunt instruments and handguns of up to .44 Magnum calibre, tested as per BRV 1999 guidelines), making them the ideal way to counter the threat of street crime.



BMW 5 Series Security

BMW X5 Security

Security Plus.

The BMW X5 Security Plus offers class 6 ballistic protection (tested as per VPAM-APR 2006 and BRV 1999 guidelines), meaning it is also secure against the world’s most widespread firearm, the AK-47.



BMW X5 Security Plus

High Security.

The BMW 7 Series High Security safeguards high-ranking politicians and corporate executives against terrorist attack with heavy-calibre ammunition and explosives. The vehicle as a whole meets the new class VR7 ballistic protection standard, and many areas in fact offer class VR9 protection.*

* The vehicle as a whole complies with the requirements for class VR7 ballistic protection (tested as per BRV 2009 guidelines). The non-transparent area and many parts of the transparent area comply with the requirements for class VR9 ballistic protection (tested as per BRV 2009 guidelines).



BMW 7 Series High Security

WHEREVER YOU GO, BMW SERVICE IS THERE FOR YOU.

We'd do anything to ensure your safety. And to ensure you receive perfect service. Routine maintenance and repairs to the security modifications can be carried out at selected locations all over the world by specially trained experts, backed by a dedicated team of BMW 7 Series High Security specialists in Munich who will come and help on the ground if required.

Naturally, BMW Security Vehicles come with the same comprehensive warranty as standard BMW models. Our global logistics network ensures spare parts for the BMW 7 Series High Security can be delivered rapidly anywhere in the world.

With the various BMW Service Inclusive packages, you pay a fixed price, and can then relax, safe in the knowledge that all the services included in your package are covered for a set time period or mileage, irrespective of how many times you require them. For more information, speak to your BMW dealer.

Because part of security is knowing that we're always there for you.

TRAINING FOR THE WORST-CASE SCENARIO IS A GOOD WAY TO MAKE SURE IT NEVER HAPPENS.

The BMW approach to security goes beyond just the vehicle itself. We also offer a variety of Driver Training courses, teaching skills that are useful to any Security Vehicle driver.

We'll show you and your drivers how to get the most out of the BMW 7 Series High Security, and will practice the best ways to handle dangerous situations – because that way, hopefully these situations will never arise.

Basic Security Driver Training (one day).

Focuses on the fundamentals of driving dynamics and vehicle handling, as well as negotiating everyday traffic safely, with both theoretical and practical elements. This training module is carried out on unarmoured vehicles.

Advanced Security Driver Training (two days).

Building on what drivers learned from Basic Security Driver Training, this module deepens participants' theoretical and practical knowledge of driving dynamics and vehicle handling. It also covers more challenging manoeuvres at higher speeds, such as double lane changes and escape turns, which participants practise in armoured vehicles.

Intensive Security Driver Training (three days).

This takes what participants learned in the Advanced Security Driver Training module to the next level, once again using a mixture of practice and theory. It also looks at what constitutes security-conscious driving, including ways of recognizing and reacting to potential danger situations. Practical exercises range from reverse slalom to coordinating tactical turns between multiple vehicles driving in convoy.



TAKE DELIVERY OF A UNIQUE VEHICLE IN A UNIQUE SETTING.

The first time you see your own BMW, touch it, climb inside and start the engine is a moment to treasure for any motorist – and the BMW 7 Series High Security is no exception to this. And now you can turn this special moment into an unforgettable day out for you and your family, by opting to collect your vehicle in person at the new BMW Welt experience and vehicle delivery centre in Munich.

BMW 7 Series High Security customers will receive their vehicles in a special dedicated area of BMW Welt, and no effort will be spared to look after them as befits owners of this extraordinary armoured saloon.

To find out more, log on to **www.bmw-welt.com**



Subject to change without notice. The equipment shown in this brochure may not be approved for use in all markets. (National regulations must be observed.)

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More information about the new BMW 7 Series High Security can be found online at **www.bmw-security-vehicles.com**

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TECHNICAL DATA BMW 7 SERIES HIGH SECURITY.

BMW 7 Series High Security	750Li Saloon	760Li Saloon
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Engine			
Layout/no. cylinders	V8	V12	
Capacity	cc	4,395	5,972
Max. output	kW (hp)/rpm	300 (407)/5,500–6,400	400 (544)/5,250

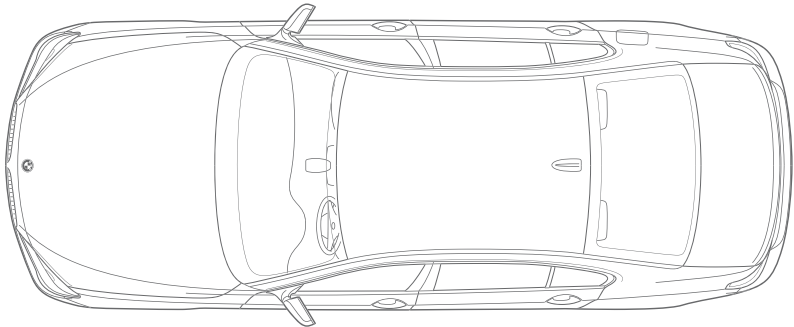
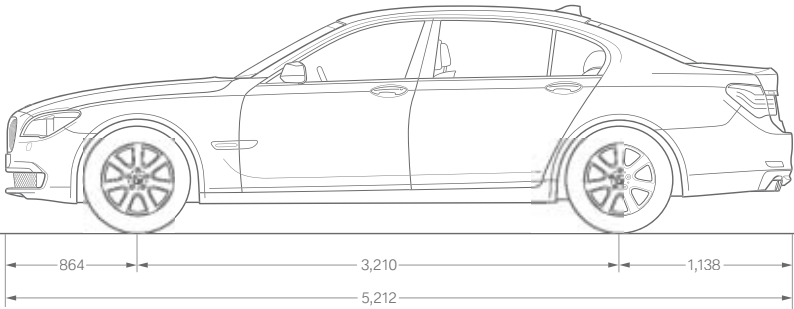
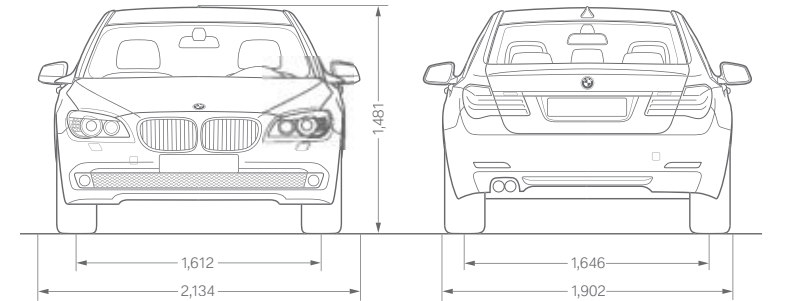
Performance			
Max. speed	km/h	210	210
(electronically regulated)			
Acceleration 0–100 km/h	sec	7.9	6.2

Fuel consumption*			
Urban	l/100 km	18.5	21.4
Extra-urban	l/100 km	9.7	10.5
Combined	l/100 km	12.9	14.5
CO ₂ emissions	g/km	299	339
Range	km	635	565
Tank capacity	l (approx.)	82	82

Wheels		
Tyre dimensions	255-720 R490AC 117H	255-720 R490AC 117H
Wheel dimensions	245 x 490 AC PAX light alloy	245 x 490 AC PAX light alloy

Weights		
Unladen weight, DIN/EU	kg	3,680/3,755
Max. total weight/load	kg	4,130/450
Luggage capacity	l	500
Seats		4

* All engines comply with the EU4 emissions standard. Fuel consumption is determined in accordance with the ECE driving cycle as defined in Directive 80/1268/EEC, made up of one third urban and two thirds extra-urban driving (based on the distance covered). CO₂ emissions are measured separately from fuel consumption. Figures relate to standard-specification vehicles, and may vary significantly where optional equipment (including wider tyres) is fitted.





**BMW Security
Vehicles**

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Driving Pleasure**