

BMW M5



Sheer
Driving Pleasure



THE NEW BMW M5.
THE UNTOUCHABLE.





Editorial

TWO WORLDS. ONE STATEMENT.

When motorsport technology and classic saloon elegance meet, an extraordinary power is unleashed – the new BMW M5.

Whether it's down to phenomenal performance thanks to an output of 560 hp (412 kW) or the exclusivity of the finest materials and first-class workmanship, the fifth-generation BMW M5 surpasses itself. And M GmbH demonstrates its consistency and commanding leadership like never before.

The result: two worlds united in one unique automobile. The new BMW M5.

➔ www.bmw.com/M5

Equipment of the model shown: BMW M5 Saloon

Engine: M TwinPower Turbo V8 engine	Exterior colour: Monte Carlo Blue metallic
Output: 412 kW (560 hp)	Upholstery: M multifunction seats in fine-grain Merino full leather, incl. BMW Individual Alcantara Anthracite roofliner
Wheels: M light-alloy wheels Double-spoke 343 M, forged, with mixed tyres	Interior trim: Aluminium Trace

For information on fuel consumption and CO₂ emissions, please refer to page 27.



// ONE SALOON.
ONE SPORTS CAR.
NO COMPROMISE.

A MOTOR SPORT ATMOSPHERE – AT ITS MOST EXCLUSIVE.

Get inside and savour the atmosphere: first impressions immediately confirm the harmonious interplay of exclusivity and dynamics. Perhaps it is the ergonomic arrangement of M-specific controls and the technical elegance of the M aluminium trim that emphasise the

sporty ambience. Or maybe it is the smell of the highest quality leather. One thing that is certain is a unique combination of luxury and sportiness – raising your expectations to a new level.





AIRVAIN

BMW
MENU
- BMW Group
- BMW Services
- BMW ConnectedDrive
- BMW Assist
- BMW iDrive
- BMW Navigation
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// THE PRESENCE OF
INNER STRENGTH.

**THIS EXECUTIVE SALOON
SPEAKS THE LANGUAGE OF A
SPORTS CAR - FLUENTLY.**

An unmistakable presence – whether it's in the metropolis or on the race track. The distinctive character of an uncompromising athlete fuses seamlessly with the flowing silhouette of a classic saloon. From the dynamic front via the optimally aerodynamic M exterior mirrors and characteristic M gills, the design draws the eye along the deeply drawn side skirt through to the powerful rear. Here the discreet M rear spoiler and diffuser enhance aerodynamics while the two dual tailpipes, in fittingly sporting form, round off the look. The design language of the new BMW M5, however, embodies one quality above all others: supremacy.



D M YU 4695



// NOTHING MORE TO PROVE.
HERE'S THE PROOF.

**THE FRONT OF THE NEW BMW M5 –
THE EXPRESSION OF A POWERFUL CHARACTER.**

A meeting of equals: the purposeful front of the new BMW M5 is a strong indication of the massive potential within. Large air inlets in the distinctive front apron supply the high-performance engine and compound brakes with cooling air. The wide track of the race-grade M chassis extends to flared wheel arches

which house the optional forged 20" M light-alloy wheels. At the same time, the exclusive M paintwork in metallic Monte Carlo Blue establishes an extravagant tone and accentuates the athletic, aesthetically striking appearance. The overall visual impression leaves absolutely no doubt that this car sets its own benchmarks.

// LEAD FROM THE FRONT.





// HEAVEN OR HELL.
CHOOSE YOUR
SETTING.

MOTOR SPORT GENES – ON CALL.

Challenges outside the norm require quick and, above all, precise decision-making. This is why every detail of the new BMW M5 cockpit is specifically geared towards intuitive operation for the driver. Thanks to the two programmable M Drive settings on the M leather steering wheel, you can activate your escape from everyday life at the touch of a button by determining the nature of your car at will. With M Drive, you can opt for either motorsport dynamics or long-range comfort. If desired, you can control the seven gears of the M Double Clutch transmission using the gearshift paddles for an even sportier driving experience. In addition, the full-colour Head-Up Display ensures greater ergonomics and safety. The M-specific display projects all relevant driving data, the Optimum Shift Indicator and, if requested, Speed Limit Info directly onto the windscreen. Whatever the situation, you'll never lose sight of what really matters – the next challenge.





MENU 10:20 BAYERN TV

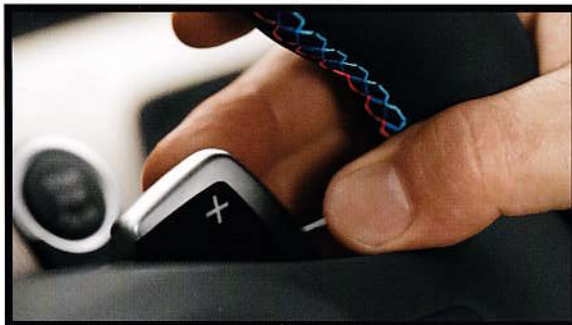
- CD/Multimedia
- Radio
- Navigation
- Telephone
- Office
- BMW Services
- Vehicle Information
- Settings

19.5 °C 21.0 °C



M5

25



// ALWAYS A COMPELLING ARGUMENT –
PULLING POWER.

THE HARD FACTS.

Uncompromising power hits the road. With maximum torque of 680 Nm and peak output of 412 kW (560 hp),¹ the M TwinPower Turbo V8 engine in the new BMW M5 propels you from 0 to 100 km/h in just 4.4 seconds. Formidable pulling power and lightning responses are available across a remarkably broad rev band, from the first touch of the accelerator right through to high engine speeds. The 7-speed M Double Clutch transmission, meanwhile, ensures uninterrupted propulsion because you can switch gear in fractions of a second with no loss of tractive force. The outstanding performance is also due to the M high-performance chassis in the new BMW M5, for an intensified

driving experience in every curve and authentic feedback from the road. And, with the redesigned Active M Differential lock, you will always have maximum traction and control – for maximum driving pleasure. The compound brakes are equally uncompromising, offering optimum safety and precision, even under the toughest conditions. Additionally, and thanks to BMW EfficientDynamics features, the new BMW M5 impresses with its performance to fuel consumption ratio. That's because we believe that high-performance and high efficiency should be inextricably linked.

¹ For information on fuel consumption and CO₂ emissions, see page 27.



// TIME IS A SPECIAL
LUXURY. HERE, IT'S YOURS
FOR THE TAKING.

ARRIVE IN YOUR OWN PERSONAL SPACE.

Sometimes you just want time to be still and relax. Enjoy this luxury in the new BMW M5, without any loss of speed. With this car, extravagance is also found in practicality. The rear, for instance, impresses with its roominess and high level of seat comfort. There are also the optional features in the BMW ConnectedDrive* package, offering unlimited connectivity with the outside

world. Whether it's email, appointments or the latest news, you'll always have your finger on the pulse. The new BMW M5 gives you the choice – whether to drive a thoroughbred sports car or an elegant executive saloon. Whatever your decision, one thing is guaranteed. Superiority at all times.

* May not be available in all countries. Please consult your BMW partner.





BUSINESS JET.



From a meeting straight to the race track – only possible in the BMW M5. BMW M project engineer Maximilian Ahme is currently driving the sharpest company car in the world. We talk to him about the fascinating character of the new power saloon.

For more than 25 years, the BMW M5 has been regarded as the sportiest saloon in the world. What makes the fifth-generation model even better than its predecessors?

Ahme: Like every previous BMW M5, it is a wolf in sheep's clothing. On the one hand a comfortable saloon, on the other a racing car. And both with state-of-the-art design and optimum efficiency.

So what are the figures behind this apparent contradiction?

Our new V8 engine with M TwinPower Turbo technology reaches 560 hp at 6,000–7,000rpm and develops 680 Nm of torque. It is one of the few engines that unites two things: turbocharging and high engine speeds. Yet it also has a remarkably low average fuel consumption of 9.9 litres per 100km. This figure is 30% lower than that of the previous model, despite increased performance.

What technology enables this strong performance?

We work with two precisely responding chargers and a special manifold for the optimised exhaust system. On top of that, there's High Precision Injection, variable lift of the intake valves and adjustable camshafts. And because our engine develops so much power, we completely filled the available space under the bonnet with coolers.

What are the special features of the cooling system? It is an extremely complex solution with a lie-flat oil cooler and two external coolers for the charge air. We have one circuit for low temperatures and one for high. The charge air to each cylinder bank is cooled separately and we even air-condition the engine electronics.

In addition to engine performance, BMW M5 drivers attach great importance to sharp handling and biting traction. What does the new BMW M5 offer in these areas?

We continue to use the precise and sensitive hydraulic steering system. In conjunction with the powerful rear-wheel drive, the driver gets a genuine feel for the road and the forces on the front wheels. A new M differential lock also increases traction on the rear axle and provides even greater agility.

The previous lock was already a big plus point on fast bends, undulating roads or high-power driving. How is the new one better?

The Active M Differential lock adjusts electronically and in advance. The previous system only locked with a wheelspin on the rear axle. Now we can steer the lock proactively. If the accelerator is engaged and the sensors anticipate wheelspin based on the current driving situation, locking torque is applied to the differential. This prevents a wheel from spinning, power is optimally placed on the tarmac and the driving situation is dynamically controlled. That feels better for the driver.

Are there any more advantages to the new rear-axle lock?

The new lock is completely off during normal driving, so the new M5 is even smoother when the driver brakes sharply or steers spontaneously. This was evident during our fine-tuning test drives on race tracks like the legendary Nürburgring. The lock also stabilises the vehicle in high-speed lane or other load changes.



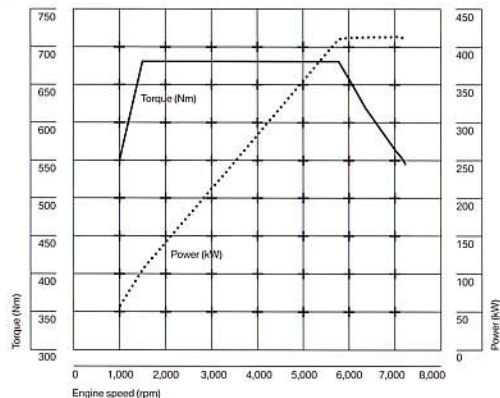
The BMW Head-Up Display with M-specific display projects all relevant driving data and, if requested, Speed Limit Info directly onto the windscreen.

The technical finesse of the BMW M5 makes for a fascinating drive. You have already covered many kilometres in this sharp company car. What impresses you the most?

The unique technology. From the engine, the transmission and the electronic dampers to the completely reworked suspension, it's the perfect symbiosis of business and motor sport. On the one hand you can drive comfortably for long stretches and on the other, you can be ready for the racetrack at any time at the touch of a button. The switch happens via the two M Drive buttons on the steering wheel. The driver can configure these in advance according to preference. The result is a fantastic feeling: control and freedom.

POWER MEETS EFFICIENCY.

The data speaks for itself: 680 Nm, 560 hp (412 kW)¹ 4.4 seconds from 0 to 100 km/h. As a high-revving engine, the eight-cylinder M TwinPower Turbo unit in the new BMW M5 makes a singularly forceful statement when it comes to performance and acceleration. The combined forces of M-typical linear delivery and enormous thrust from the double turbocharger fully exploit the superb pulling power of the high-performance engine. The generous dimensions of the intercoolers and the patented TwinScroll charging concept ensure extraordinary responsiveness not expected of a turbo. Huge torque is available across a wide engine speed range with emphatic forward thrust on tap from just over idle right through to high revs. Thanks to Valvetronic and High Precision Injection, the engine also sets benchmarks when it comes to the performance to fuel consumption ratio. In combination with BMW EfficientDynamics features, such as the Auto Start/Stop function and Brake Energy Regeneration, the result is average consumption of just 9.9¹ litres.

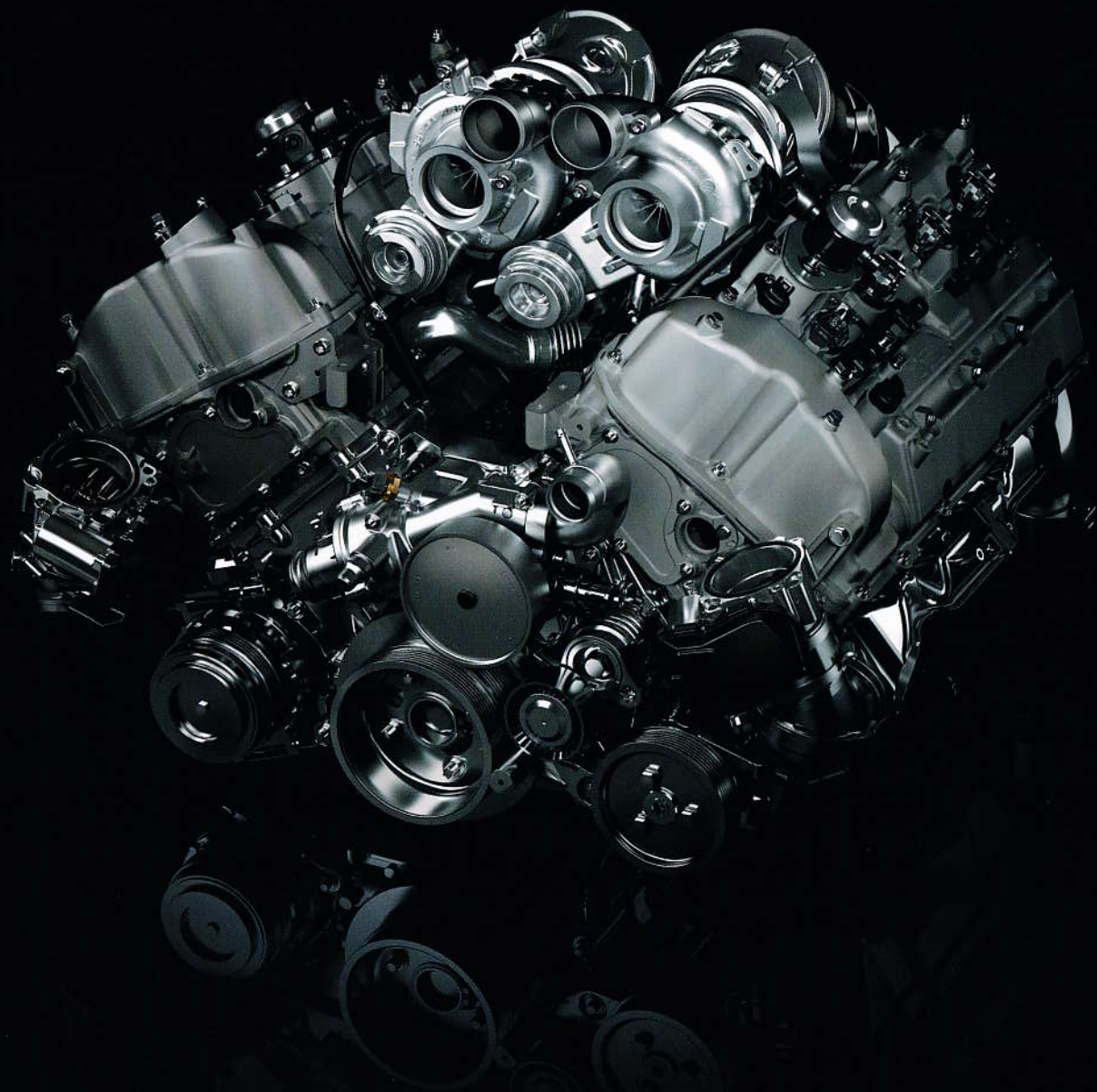


High torque is available across an extremely broad range of engine speeds: from 1,500, or little more than idle, to a high-revving 5,750 rpm. It means consistently strong performance and linear power delivery.



TwinScroll turbocharger with a cross-bank exhaust manifold: the exhaust flows from each of two cylinder pairs with a 360° firing interval are combined and routed along separate channels before reaching the turbine wheels of the turbochargers. This guarantees that gas flow is not compromised. It's a highly efficient charging concept that leads to optimum energy transfer – and, therefore, extremely spontaneous responsiveness.

¹ For information on fuel consumption and CO₂ emissions see page 27.



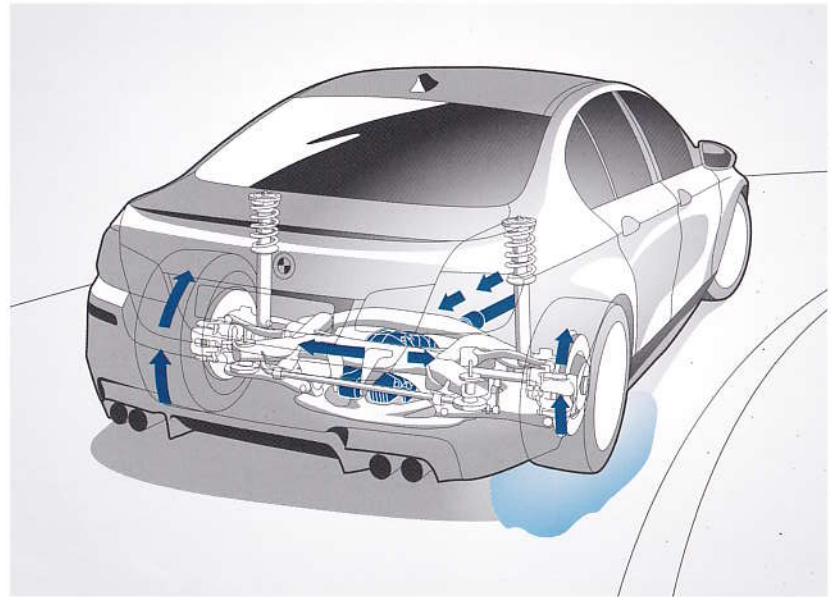
DEVELOPED ON THE RACE TRACK. BUILT FOR EVERYDAY LIFE.

Traditional rules do not apply to an exceptional car like the new BMW M5. As an independent production of M GmbH, it is faithful to the M philosophy – and perfectly combines high performance with optimum everyday practicality.

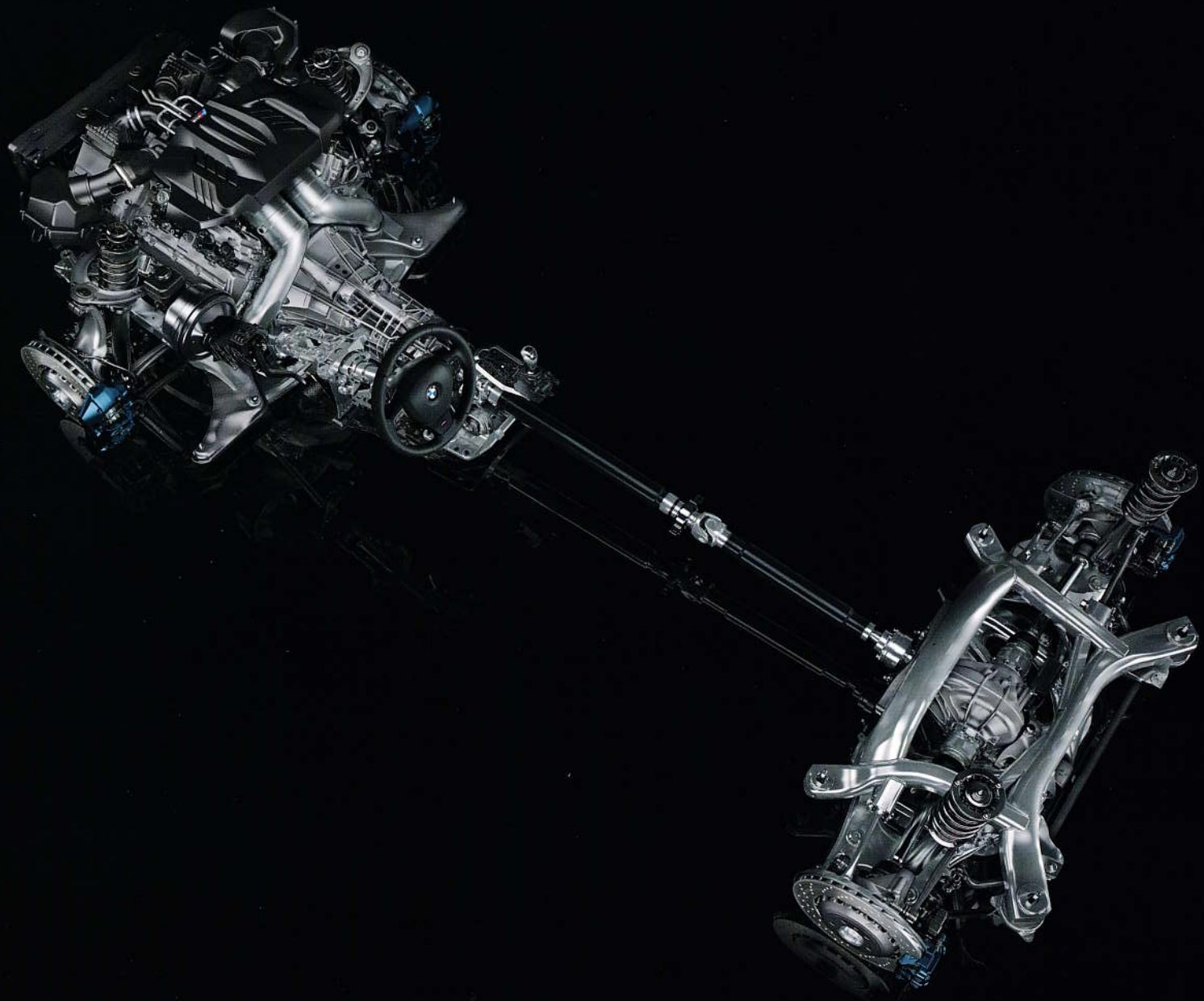
To fulfil these high aspirations, the intricately constructed M high-performance chassis has been redeveloped from scratch. Its perfect tuning is the result of tests on the famous Northern Loop of the Nürburgring, the hardest test conditions for high-performance cars. The result: maximum dynamics and agility, plus optimum precision and control – all conveyed through fascinatingly authentic driving feel.

Targeted stiffening measures lead to excellent driving stability and steering precision. The front axle, for instance, is firmly secured to the body with an aluminium stiffening plate. Something else that can't be seen, but can be felt. For the first time in the M5, the Active M Differential on the rear axle ensures outstanding acceleration and guarantees improved traction even on extremely fast bends. Here, Dynamic Damping Control also comes into play and adjusts the suspension, according to your preferences, in three modes: Comfort, Normal or Sport. It means you can experience familiar roads as new every time. Additionally, the M Drive buttons on the steering wheel offer pre-programmed configurations for either a sporty or a comfortable drive. One of these is M Dynamic Mode. For a particularly authentic driving experience, it enables optimum use of longitudinal and lateral dynamics potential by increasing the threshold of intervention of the Dynamic Stability Control (DSC) system so it only intervenes in critical situations.

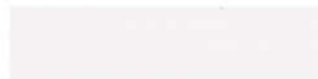
The M high-performance suspension in combination with the 7-speed M Double Clutch transmission delivers the power of the new BMW M5 directly to the road. And thanks to the compound brakes, the car also amazes with its excellent braking power and stability.



Active M Differential. This optimises traction at full power even in tight bends, during high-speed cornering and on variable road surfaces. An electronic control unit links the active system and DSC and proactively ensures the intelligent use of locking torque in every driving situation. In this way, no drive power is wasted and improved handling and agility are guaranteed.



Exterior colours.



■ **Non-metallic**
300 Alpine White



■ **Metallic**
B05 Monte Carlo Blue



□ **BMW Individual**



□ **BMW Individual**
X02 Citrine Black metallic



□ **BMW Individual**
490 Brilliant White metallic



□ **BMW Individual**
490 Frozen Grey metallic



■ **Metallic** 475 Black Sapphire



■ **Metallic** B41 Singapore Grey



□ **BMW Individual**
S34 Azurite Black metallic



□ **BMW Individual**
490 Frozen Silver metallic



□ **BMW Individual**



□ **BMW Individual roofliner**
776 Alcantara Anthracite



■ **Metallic** A17 Havanna



■ **Metallic** A29 Silverstone



□ **BMW Individual**
X04 Moonstone metallic



□ **BMW Individual roofliner**
XD5 Alcantara Silk Grey



■ **Metallic** A52 Space Grey



□ **BMW Individual**
X07 Amazonite Silver metallic



□ **BMW Individual roofliner**
XD5 Alcantara Platinum



■ **Metallic** A89 Imperial Blue,
brilliant effect



□ **BMW Individual**
X08 Champagne Quartz
metallic



□ **BMW Individual roofliner**
XD5 Alcantara Champagne

Interior colours/ BMW Individual roofliner.



Black

Upholstery colours.



Fine-grain Merino leather
LKSW Black



Fine-grain Merino leather
LKA9 Silverstone



Fine-grain Merino leather
LKDA Sakhir Orange



Fine-grain full Merino leather
X3SW Black



Fine-grain full Merino leather
X3A9 Silverstone



Fine-grain full Merino leather
X3DA Sakhir Orange



BMW Individual



BMW Individual fine-grain Merino leather¹
ZAP8 Graphite



BMW Individual fine-grain Merino leather¹
ZAP7 Silk Grey



BMW Individual fine-grain Merino leather¹
ZAC8 Platinum



BMW Individual fine-grain Merino leather¹
ZAP6 Champagne



BMW Individual fine-grain Merino leather¹
ZAWT Cohiba Brown

Interior trims.



4L9 Aluminium Trace



4BN Fine-wood trim Ash Grain, high-gloss, dark



4CE Fine-wood trim Finesline Anthracite



BMW Individual



BMW Individual interior trim XE5 Plane Auburn dark wood trim



BMW Individual interior trim XE6 Fine-wood Satin Walnut Honey Brown



BMW Individual interior trim XE7 Piano Finish Black

Please note that over time even correct use can lead to unrecoverable upholstery damage. This can be caused in particular by non-colourfast clothing.

The following pages show the colours and materials available for the new BMW M5. Use them to identify your favourite colours, or compare various combinations. These colour samples are meant to give you a first impression of paints and materials. Experience has shown, however, that printed versions of paint and upholstery colours cannot in all cases faithfully reproduce the appearance of the originals. We therefore recommend that you consult your BMW partner or your local branch on your preferred colour choices. They will be happy to show you samples and assist you with any special requests.

¹ BMW Individual extended leather equipment fine-grain Merino includes front and rear seats including headrests, inserts in door trims, centre console including armrests and the lower part of the instrument panel.

Safety	M5
Airbags:	
– Airbags for driver and front passenger, head airbags front and rear (curtain), side airbags driver and front passenger	■
Compound brake discs , all-round inner-vented, perforated	■
Dynamic Stability Control (DSC) , two settings, incl. M Dynamic Mode	■
Tyre pressure gauge	■

Exterior design	M5
Exterior applications in body colour, incl. bumpers, exterior mirrors, door handles and roof rims	■
Indicators in side panel with integrated M5 logo	■
M rear spoiler	■

Wheels	M5
Wheels:	
– 19" M light-alloy wheels Double-spoke 345 M with mixed tyres	■
– 20" M light-alloy wheels Double-spoke 343 M, forged, with mixed tyres	□

Interior design	M5
Interior trims:	
– Aluminium Trace	■
Upholstery:	
– BMW Individual fine-grain Merino leather, extended	□
– Fine-grain full Merino leather	□
– Fine-grain Merino leather, extended	■

Transmission and technology	M5
Active M Differential	■
Auto Start/Stop function	■
Brake Energy Regeneration	■
Dynamic Damping Control with three modes (Comfort, Normal, Sport)	■
Exhaust system , with twin tailpipes, chrome-plated	■
High-performance chassis with double-joint spring strut front axle, integral steering rear wheels and M specific adjustment	■
M Double Clutch transmission with Drivelogic , 7-speed	■
M Drive , two individually adjustable vehicle settings	■
M Servotronic	■
M TwinPower Turbo V8 engine with 4-valve technology, TwinScroll turbochargers, High Precision Injection, Valvetronic and Double VANOS	■

Driver assistance	M5
BMW Head-Up Display with additional M-specific display (dynamic rev range, shift lights, gear indicator and speed)	■
BMW Night Vision with pedestrian recognition	□

Driver assistance	M5
Cruise Control with brake function	■
Park Distance Control (PDC) , front and rear	■

Light and sight	M5
Adaptive turning lights incl. cornering lights and variable light distribution	■
High beam assistant	■
Rain sensor, incl. automatic headlight activation	■
Xenon headlights for high and low beam , incl. automatic headlight range control, four light rings (daytime driving and parking light) headlight washing system	■

Interior	M5
M leather steering wheel with gearshift paddles , multifunction and two M Drive buttons	■
Seats:	
– Lumbar support for driver and front passenger seats	□
– M multifunction seats, additionally with adjustment of the upper backrest, backrest width and thigh support, incl. comfort headrests, lumbar support and memory function for driver and front passenger seats	□
– M seats with electric adjustment of backrest, forward/back position and seat height, incl. angle adjustment and memory function	■
– Seat heating for driver and front passenger seats	■

Comfort and interior features	M5
Automatic air conditioning with 4-zone regulation	■
Comfort Access system for keyless entry and locking/unlocking the vehicle	□

Entertainment, communication and information	M5
BMW ConnectedDrive* – telematics services:	
– BMW Assist	□
– BMW Online	□
– BMW TeleServices	□
– Internet access	□
Control Display:	
– 7"	■
– 10.2" (available in conjunction with Navigation system Professional)	□
Controller on centre console, incl. direct menu control buttons	■
HiFi System Professional with 16 loudspeakers	□
Navigation system Business with 7" Control Display	□
Navigation system Professional* with 10.2" Control Display, split-screen function, hard disk-supported system, incl. 12 GB storage unit for audio files	□
Radio/audio:	
– Radio BMW Professional with CD drive, MP3-compatible and double tuner	■
– USB/audio interface	□
Telephone:	
– Business preparation for mobile phone with Bluetooth interface ¹	□

Technical data
M5
Weight

Unladen weight EU ²	kg	1945
Max. permissible	kg	2410
Max. load	kg	540

Engine^{4,5}

Cylinders/valves		8/4
Capacity	cm ³	4395
Stroke/bore	mm	88.3/89.0
Output/ engine speed	kW/rpm	412/ 6000/7000
	(hp/rpm)	(560/ 6000-7000)
Max. torque/ speed	Nm/ rpm	680/ 1500-5750
Compression ratio	:1	10.0

Performance

Top speed	km/h	250 ³
Acceleration 0-100 km/h	s	

Fuel consumption^{4,5}

Urban	l/100 km	14.0
Extra urban	l/100 km	8.0
Combined	l/100 km	10.2
CO ₂ emissions	g/km	238
Tank capacity	l	80

* May not be available in all countries. Please consult your BMW partner.

¹ For information on recommended devices, please go to www.bmw.com/bluetooth

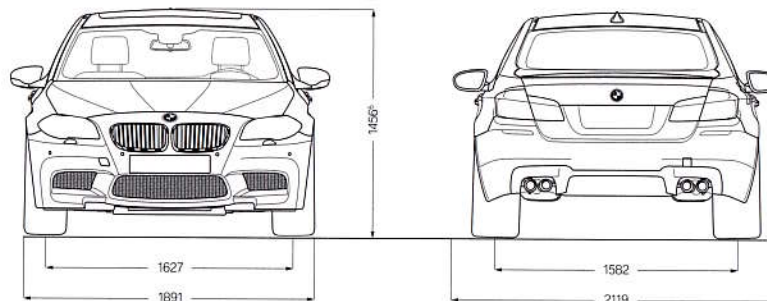
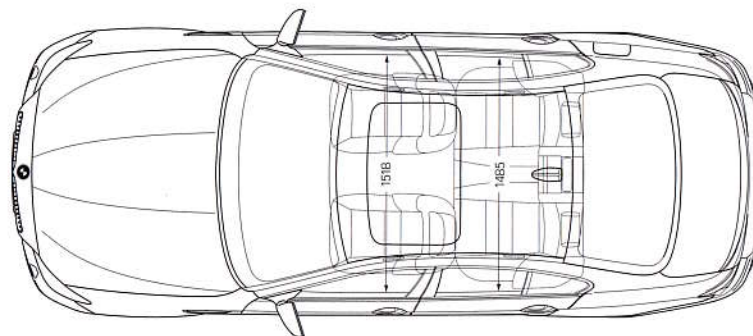
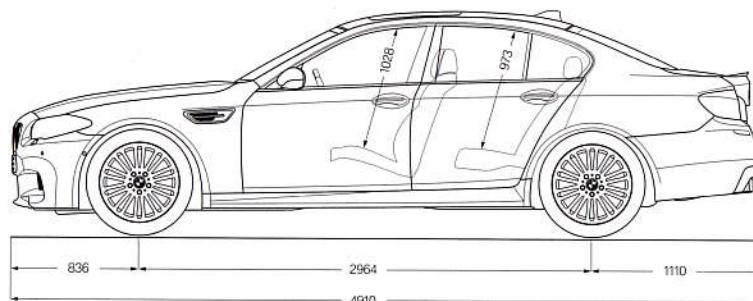
² Figures quoted include a 90% tank filling, 68 kg for the driver and 7 kg for luggage. Unladen weight applies to vehicles with standard specification. Optional equipment may increase these figures.

³ Electronically limited.

⁴ The petrol engine is designed for RON 98 fuel or higher. It may be run on RON 91 fuel, with a decrease in power.

⁵ The engine complies with the EU5 emissions standard. Fuel consumption is determined in accordance with the ECE driving cycle. This is made up of approximately one third urban and two thirds extra-urban driving (based on the distance covered). CO₂ emissions are measured in addition to fuel consumption. Fuel consumption figures are based on vehicles with standard equipment. Fuel consumption and CO₂ emission levels depend on the selected wheel and tire sizes.

⁶ Height is 1,467 mm with roof fin.



All dimensions of the technical drawings in millimetres. Luggage compartment capacity 520 litres.

More about BMW



Sheer
Driving Pleasure

www.bmw.com



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s největší radostí

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This flyer describes the models, features and configuration options (standard and optional) available in vehicles delivered by BMW AG for the German market. In other EU countries, there may be deviations from the features and configuration options described, in terms of the standard and optional equipment of the individual models. To find out more about the different country versions on offer, please consult your local BMW dealer. Design and equipment subject to change.

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1 11 015 230 20 2 2011 VB. Printed in Germany 2011.

