The new BMW 5 Series.

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1. The new BMW 5 Series.

(Short version)



Dynamic ability, comfort, efficiency, aesthetic allure and a profusion of innovations designed to enhance driving pleasure – the BMW 5 Series contains all the signature ingredients of a best-selling model at the premium end of the executive segment. Indeed, consistently rising sales figures have sealed its position as the global leader in its class. Over one million units of the BMW 5 Series Sedan, BMW 5 Series Touring and BMW 5 Series Gran Turismo – whose luxurious character has earned it a unique status in the segment – have been sold worldwide since the launch of the current generation. And now another new chapter in this impressive success story is poised to begin. Precise modifications to the cars' design, new engine variants and innovative additions to the range of available equipment as well as BMW ConnectedDrive technology all raise the appeal of the BMW 5 Series model family a notch higher still.

Design: precise modifications bring out its sporting character.

Additional contour lines for the surround of the BMW kidney grille and newly structured lower air intakes reinforce the sporting appearance of the new BMW 5 Series Sedan and new BMW 5 Series Touring. On both variants, the accentuated width of the rear end is underlined by an extra crease in the apron, as well as slim, sharply contoured and therefore even more striking rear lights.

The new BMW 5 Series Gran Turismo boasts a modified front apron exuding presence and solidity. Its redesigned rear end creates a longer and lower-to-the-ground impression. A three-dimensional surface design for the area around the licence plate holder and a chrome strip in the rear apron add further depth to its dynamic character.

Xenon headlights are fitted as standard on all models, while Adaptive LED Headlights take their place on the options list for the first time alongside LED fog lamps. Elsewhere, the side indicator lights are integrated into the exterior mirrors. Also new in the BMW 5 Series are the BMW Luxury Line and BMW Modern Line packages containing exclusive design and equipment features. And an M Sport package tailored to each model variant can also be specified.

Functionality and premium allure taken to a new level.

New details lend further refinement to the premium impression of the new

BMW 5 Series' interior as well as another layer to its functionality. The Control Display of the standard-fitted iDrive operating system is now bordered in the Sedan and Touring by chrome trim. Added to which, the storage compartments and cup holders in the centre console of these models have increased in capacity.

A revised rear section increases the boot capacity of the new BMW 5 Series Gran Turismo by 60 litres to 500 litres. New exterior paint colours, light-alloy wheels, upholstery colours and interior trim elements for all the BMW 5 Series models enhance their appeal and increase the scope for individualisation.

Engines: setting the benchmark for driving pleasure, introducing fresh new routes to efficiency.

Faster, more economical, cleaner: all the variants of the BMW 5 Series come with a raft of optimised details. The result is reduced fuel consumption (in some cases significantly), yet with no drop-off in sporting ability. Indeed, some models actually offer improved performance. Plus, all the engine variants already meet the stipulations of the EU6 exhaust gas standard not due to come into force until September 2014. To this end, the diesel models come with nitrogen oxide-reducing BMW BluePerformance technology as standard.

In addition to Brake Energy Regeneration, the Auto Start-Stop function (also fitted in conjunction with the eight-speed automatic gearbox), Optimum Shift Indicator and ECO PRO mode, the suite of standard-fitted BMW EfficientDynamics technology now also includes a coasting mode (which disengages the powertrain), Proactive Driving Assistant to adjust the car's speed ahead of a change in speed limit, and the ECO PRO Route function, which can be selected via the optional Navigation system Professional. Meanwhile, extensive optimisation of the cars' aerodynamics – the drag coefficient (Cd factor) of the BMW 520d Sedan, for example, has been reduced to 0.25 – is one of the key factors in the latest advances made by the engineers in the area of efficiency.

The market launch of the new BMW 5 Series model family also heralds an expansion of its engine range. For instance, the BMW 518d has been added to the line-up as a new entry-level diesel variant. Its four-cylinder diesel with BMW TwinPower Turbo technology and 105 kW/143 hp can be ordered for both the new BMW 5 Series Sedan and the new BMW 5 Series Touring. Like the BMW 520d Sedan, the BMW 518d Sedan records impressive average fuel economy in the EU test cycle of 4.5 litres per 100 kilometres (62.8 mpg imp) and CO_2 emissions of 119 grams per kilometre. And the model range now also includes the BMW 520d xDrive in both Sedan and Touring guises. This increases the number of models equipped with the

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intelligent all-wheel-drive system to seven (in the case of the BMW 5 Series Touring) and eight (for the BMW 5 Series Sedan). Four engine variants of the new BMW 5 Series Gran Turismo can likewise be combined with xDrive.

The top-of-the-line engine available for all members of the new BMW 5 Series model family is a new V8 unit with BMW TwinPower Turbo technology developing 330 kW/450 hp. The range of power plants available for the new BMW 5 Series Sedan and new BMW 5 Series Touring now comprises four petrol and six diesel units, and also encompasses two BMW M Performance Automobiles – the BMW M550d xDrive Sedan and BMW M550d xDrive Touring. Customers opting for the new BMW 5 Series Gran Turismo can choose from two petrol power plants and three diesels.

Further improvements have also been made to the intelligent energy management of the BMW ActiveHybrid 5. The full-hybrid Sedan now comes with a specially tweaked version of the Proactive Driving Assistant, whose talents include adapting the interplay between the combustion engine and electric motor to the route ahead.

The cars' chassis technology – which includes a double-wishbone front axle, integral rear axle and Electric Power Steering with standard Servotronic function – has been further honed to deliver an unrivalled balance between sporting performance and ride comfort. The BMW 5 Series Touring and BMW 5 Series Gran Turismo come as standard with air suspension, including automatic self-levelling at the rear axle. The Driving Experience Control switch on the centre console is standard on all models. Dynamic Damper Control, M Sport suspension and the Adaptive Drive and Integral Active Steering systems unmatched by any rivals can be specified as options.

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More innovative than ever: optional equipment and BMW ConnectedDrive.

The host of innovations included on the options list and in the range of BMW ConnectedDrive technology allow the new BMW 5 Series model family to underline its standout position in the areas of connectivity, infotainment, convenience and safety. For example, the function of the optional Comfort Access system, which allows the tailgate to be opened hands-free, has been extended to include a closing mechanism, which means that a movement of the foot under the rear apron can now be used to prompt the tailgate to close as well as open. In addition, the new BMW 5 Series offers customers a new rear-seat entertainment system with tablet-style displays, a Harman Kardon Surround Sound system and a new version of the ambient light option with a facility which allows the interior lighting to be alternated in tone between orange and white.

The range of BMW ConnectedDrive business solutions and driver assistance systems is more advanced and richer in variety than ever. The BMW 5 Series enables a scope of intelligent connectivity unique in the marketplace, allowing it to set the benchmark for in-car use of office applications.

Alongside the globally unrivalled Concierge Service for hotel reservations and a selection of other services, BMW ConnectedDrive also offers an unusually extensive suite of office functions, including internet-based services. The dictation function, for example, provides a convenient way of entering text for SMS messages and emails during a journey. The array of search, travel, office and social media services can be accessed via the car's integrated SIM card or the customer's smartphone. And Online Entertainment sees BMW bringing internet-based flat rate music services directly into the car.

The optional Navigation system Professional makes use of an optimised menu display and allows access to Real Time Traffic Information. A new controller with a touch-sensitive surface now allows the use of characters to program in a destination or access other functions of the iDrive operating system. BMW offers Intelligent Emergency Call as standard in a large number of markets.

The BMW 5 Series builds on its leading position in the field of driver assistance systems with the introduction of the glare-free High Beam Assistant and the BMW Night Vision system, which includes human and animal detection and the Dynamic Light Spot function. From November 2013, the optional Traffic Jam Assistant will also be on hand to make life easier for the driver, significantly increasing the scope for relaxation in monotonous motorway tailbacks. This system automatically keeps the car in the same lane,

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even when the road bends around a corner. It is part of the Driving Assistant Plus option, which also includes Active Cruise Control with Stop & Go function and Collision Warning with braking function. The cruise control function, underpinned by radar sensors and a camera, reacts with even greater precision to the driving situation at hand and also to stationary objects. Another feature available for the Sedan and Touring from November 2013 is the fully automatic Parking Assistant.

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2. The BMW 5 Series Sedan, BMW Touring and BMW 5 Series Gran Turismo: A global success story.



- The BMW 5 Series: global market leader in the segment with constantly rising sales figures.
- Outstanding reputation thanks to award-winning design, exceptional efficiency and unique innovations.
- Most successful model generation since the introduction of the BMW 5 Series in 1972.

Global bestseller, winner of a string of comparison tests and "Germany's favourite car" – the BMW 5 Series represents a quite unique success story. Its sales figures, the verdicts of experts and the response of the public make a compelling narrative. And now the BMW 5 Series Sedan, BMW 5 Series Touring and BMW 5 Series Gran Turismo are preparing to build on their standout presence in the world's car markets with the help of cutting-edge technological innovations and sensitively modified design features. The introduction of the new BMW 5 Series provides the latest highlight in the development of the company's longest-serving model family; the BMW 5 Series has been a fixture in the BMW portfolio since 1972 – longer than any other current model. It didn't take the 5 Series long to establish itself as a paragon of driving pleasure and aesthetic appeal in its segment. And today it can add efficiency and innovation to the list of disciplines in which it leads the way in the executive car market.

The BMW 5 Series Sedan currently rolling off the assembly line is the sixth-generation model. An impressively harmonious balance between sporting flair and elegance has been a defining feature of the four-door variant since it first made the leap from the drawing board to the road and went on to become the most popular executive car in one market after the next. Entering the fray in 1991 and now in its fourth generation, the BMW 5 Series Touring blends hallmark BMW dynamics and all-embracing comfort with a variable-usage cargo area designed to meet the requirements of a wide range of activities. And the BMW 5 Series Gran Turismo, unveiled in 2009, has seen BMW introduce drivers to an all-new type of car. Its extravagant design represents the expression of sports performance, luxurious long-distance comfort and versatility.

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Global market leader: BMW 5 Series defends its leading position in the world's car markets.

To date, over 6.6 million BMW 5 Series cars have left the factory. And the current BMW 5 Series is in excellent shape to surpass the record set by the highly successful last two generations, each of which sold in excess of 1.4 million units. A total of more than one million units of the current BMW 5 Series Sedan have been delivered to customers since the sales launch of the 5 Series in March 2010. No other generation has bettered these sales figures over such a short period of time.

The BMW 5 Series defended its leading position as the best-selling car in its class in supreme style once again last year, further extending its upward curve of constantly rising sales figures since its market launch.

Soaking up acclaim around the world: BMW 5 Series earns top ratings, wins design awards, heads readers' surveys.

The quality and popularity of the BMW 5 Series are reflected in the host of prizes and distinctions awarded to the members of the model family around the world. In early 2013 the BMW 5 Series secured class victory – for the third year in succession – in the readers' survey "The Best Cars" conducted by the German motoring magazine "auto, motor und sport". This success came not long after the BMW 520d EfficientDynamics Edition with BMW BluePerformance technology had been voted "Car of the Future" and awarded the ADAC automobile association's "Yellow Angel". The BMW 5 Series as a whole had been named "Germany's favourite car" in the same competition in 2011.

In addition to the red dot award, iF Product Design Award and Design Award of the Federal Republic of Germany, the BMW 5 Series has also picked up a notable collection of international distinctions in recognition of its successful exterior design. Beyond these, the BMW 5 Series has been voted "Car of the Year", "Best Car", "Premium Car of the Year", "Family Car of the Year" and "Executive Car of the Year" in various countries.

This broad spread of qualities has been recognised with a swathe of impressive ratings elsewhere as well. German car journal "Auto Bild" crowned the BMW 525d Touring "Value Champion 2012" on account of its high value retention in the used car market. The title had been awarded to the BMW 520d Sedan the previous year. And the BMW 5 Series emerged from both the Euro NCAP and the US NCAP crash tests with the highest rating of five stars. It was also the first vehicle to achieve a 100 per cent score in the Safety Assist category of the Euro NCAP crash tests.

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3. Design and body: Timeless elegance, cutting-edge functionality and made-to-measure luxury.



- Precise modifications emphasise the sporting allure of the Sedan and Touring.
- New rear-end treatment for the BMW 5 Series Gran Turismo: more elegance, more dynamism, more storage capacity.
- The personal touch: BMW Luxury Line and BMW Modern Line.

Instantly captivating and enduringly compelling, the aesthetic qualities of the BMW 5 Series models have secured sales success around the globe and a wealth of awards and distinctions. "We haven't completely redesigned the BMW 5 Series, we've just given its character a slightly sharper sporting edge," says exterior designer Won Kyu Kang, describing the modifications made to the BMW 5 Series Sedan and BMW 5 Series Touring.

The BMW 5 Series Sedan and BMW 5 Series Touring: sporting contours for the front end, xenon headlights as standard.

Sporting elegance is the standout characteristic of the BMW 5 Series Sedan and BMW 5 Series Touring. Their design is defined by the hallmark BMW proportions created by a long bonnet, long wheelbase, short overhangs and set-back passenger compartment. At the front end, additional contour lines for the BMW kidney grille surround and the restructured lower air intake accentuate the car's sporting appearance. All the variants of the new BMW 5 Series model family are fitted with xenon headlights as standard.

Joining the LED fog lamps on the options list are Adaptive LED Headlights. Here, both the dipped and main beams are generated by LED units positioned on horizontal ribs in the centre of the two light rings, which are levelled off at the bottom. Sweeping chrome inserts with engraved BMW lettering add the finishing touches to the distinctive and extremely high-class appearance of the Adaptive LED Headlights. The side indicators are now integrated into the exterior mirrors on all new BMW 5 Series models. And the Sedan and Touring have newly structured rear lights with particularly thin and strikingly contoured LED light strips. These lights and an additional crease in the rear apron emphasise the wide track of both models.

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New BMW 5 Series Gran Turismo: powerful presence at the front, dynamic elegance at the rear.

The BMW 5 Series Gran Turismo combines signature BMW proportions with an innovative body concept. The elegantly stretched coupé roofline, four doors with frameless windows and a high-opening tailgate exude sporting intent, luxurious long-distance comfort and extensive variability. Carefully targeted modifications to the car's design shine an even brighter spotlight on its unmistakable character, which meets the highest standards across an extremely wide spectrum.

A new air intake highlights the powerful presence of the BMW 5 Series Gran Turismo's front end. The tailgate, meanwhile, has been extended rearwards and gives the roofline's transition into the rear an even more harmonious appearance. All of which allows the car as a whole to cut a lower-slung and dynamically stretched figure. These sharpened contours have also had a positive effect on the boot capacity of the new BMW 5 Series Gran Turismo, which has been increased by 60 litres to 500 litres.

Horizontally structured and three-dimensional surfaces play a defining role in the new look of the rear end. Vibrant light and shade effects around the licence plate mount, a dynamically sweeping crease extending into the flanks and a chrome trim strip in the rear apron give the tail end a lighter and sportier feel. This impression is reinforced by the new outline of the two-section rear lights. Their horizontal layout is accentuated internally by a light design distilled into two LED light strips.

Interior: each model variant offers its own take on long-distance comfort, variability and a luxurious ambience.

New details inside all the cars in the new BMW 5 Series provide a refined premium impression and increased functionality. In all models the Control Display of the standard iDrive operating system is now bordered on both sides by high-quality chrome trim strips. And the storage compartments and cup holders in the centre console of the Sedan and Touring now have increased capacity.

Generous levels of space, exquisite materials and high-quality workmanship all contribute to the premium ambience characteristic of the BMW 5 Series model family, as do exclusive interior design details like the standard iDrive and the black-panel technology of the instrument cluster and automatic climate control system's display.

The iDrive Controller can be ordered as an option with a touch-sensitive surface allowing character recognition. For example, a destination can be

programmed into the navigation system by spelling out the desired address using finger movements on the Controller's surface. The existing "Speller" in the Control Display can also be used to this end, and the driver can alternate freely between the two operating methods while entering a command.

Another option unique in this segment is the multifunction instrument display designed to enhance driving pleasure. This 10.25-inch TFT cockpit screen takes its cues from the Driving Experience Control mode selected. Varying graphics and colour schemes ensure clear differentiation. In COMFORT mode the instrument display depicts a classical combination of four circular instruments. A magnifying glass function highlights the car's current speed and revs. In ECO PRO mode the rev counter morphs into an EfficientDynamics display, which indicates how efficiently you are driving. In SPORT mode the speedometer shows the car's speed digitally in the form of a large central figure, while the gear currently engaged is displayed in the centre of the rev counter.

The new BMW 5 Series Sedan underlines its qualities as a mile-devouring car for business use or trips away with its high level of long-distance comfort for all passengers. What's more, its boot can hold 520 litres of cargo.

For those with further-reaching requirements when it comes to load capacity, the BMW 5 Series Touring will be the model of choice. An array of individual solutions lends the Touring a level of functionality and variability unmatched in its segment. Even when all the seats are in use it offers 560 litres of boot capacity, which can be expanded to as much as 1,670 litres as the occasion demands. The rear seat backrests split 40:20:40 as standard and can also be ordered with an adjustable tilt angle as an option. A pair of levers in the load compartment allows the folding-down process for the backrests to be initiated from the boot, and their approach into a horizontal position is now cushioned slightly to settle them into place. The load compartment cover is automatically lowered when the tailgate is closed. Plus, the tailgate of the BMW 5 Series Touring comes as standard with a Soft Close Automatic function and a rear window that can be opened separately from the tailgate itself, flipping up automatically at the touch of a button.

BMW 5 Series Gran Turismo: the perfect combination of luxurious long-distance comfort and versatility.

The BMW 5 Series Gran Turismo offers an unmatched blend of luxurious long-distance comfort and versatility, fusing the imposing elegance of a Sedan with the variable-usage interior of a Touring model and the versatility of a Sports Activity Vehicle. Its seating position – slightly raised to a height somewhere between that offered by a sedan and an SAV – allows particularly comfortable

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entry and exit. Rear passengers can enjoy legroom and headroom normally the preserve of luxury cars. The rear seats slide forward by 73 millimetres and the angle of their backrests can be adjusted through 33 degrees. When released from its locked position, the partition behind the rear seats follows the longitudinal movements of the seats, allowing boot capacity to grow from 500 to 650 litres. The partition and rear seat backrests can be split 40:20:40. Folding down all the elements and moving the rear seats all the way forward allows the Gran Turismo to reveal its maximum 1,700 litres of load capacity. To load items into the boot, one can either open the full, high-opening tailgate or a separate boot lid below the rear window. Similarly to a sedan, this smaller opening allows access to the load area without disturbing rear seat passengers.

Automatic tailgate operation comes as standard on the BMW 5 Series Touring and BMW 5 Series Gran Turismo and is also available as an option for the BMW 5 Series Sedan. The function of the optional Comfort Access system that allows the tailgate to be opened hands-free has been extended – for all members of the new BMW 5 Series model family – to include a closing mechanism, which means that a movement of the foot under the rear apron can now be used to prompt the tailgate to close as well as open. After unloading items from the boot, customers can therefore also close the tailgate without having to put down the items they're holding.

New to the BMW 5 Series: BMW Lines offer detailed personalisation.

BMW 5 Series customers can choose from a wide selection of exterior paint colours. New additions to the range – and available for all models – are Calisto Grey metallic, Jatoba metallic, Mineral White metallic and Glacier Silver metallic. New variants have also been added to the line-up of optional lightalloy wheels.

Exclusively composed BMW Lines are now available for the first time to all members of the new BMW 5 Series model family as an alternative to standard specification. Customers can choose between the BMW Luxury Line and BMW Modern Line design packages, which shine the spotlight on selected facets of the car's character to great effect. Both Lines include LED fog lamps, 18-inch (BMW 5 Series Gran Turismo: 19-inch) light-alloy wheels, B-pillar trim and exterior mirror bases in high-gloss black, illuminated door pulls with chrome trim and likewise illuminated door sill strips with aluminium inserts bearing BMW lettering. Luxury / Modern badges can be found on the front side panels.

The BMW Luxury Line exudes a high level of elegance and exclusiveness thanks to a carefully assembled selection of further particularly high-class

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features for the exterior and interior. The chrome finish of the trim bars in the outer sections of the lower air intake, the fronts of the black kidney grille slats, the window recess finishers, the trim strip in the rear apron and the exhaust tailpipe embellishers all add gleaming touches. Leather upholstery with exclusive stitching, a black sports leather steering wheel and interior trim strips in exquisite Fineline anthracite wood create a particularly refined interior ambience.

The BMW Modern Line package displays a strikingly contemporary and dynamic edge. The air intake bars, kidney grille slats, rear trim strip and tailpipe embellishers come in matt chrome, and the instrument panel and sports leather steering wheel can be specified as an option in the light colour shade Oyster. Interior trim strips in dark Pearl and exclusive stitching for the optional leather upholstery ensure the interior creates an eye-catching impression.

All variants of the new BMW 5 Series can also be ordered with a model-specific M Sport package, further increasing the scope for individualisation.

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4. Powertrain and chassis: The perfect balance of dynamics and comfort.



- Powertrain diversity: up to four petrol engines and six diesels producing 105 kW/143 hp to 330 kW/450 hp; new xDrive models.
- State-of-the-art chassis technology and Driving Experience
 Control switch as standard; BMW 5 Series Gran Turismo boasts a particularly comfort-biased set-up.
- Unique in the segment: Integral Active Steering, Adaptive Drive.

The appeal of Sheer Driving Pleasure in a premium executive class car is set to grow even further in both strength and reach with the launch of the new BMW 5 Series model family. The host of optimised details included in all variants of the new BMW 5 Series have led to (in some cases significantly) reduced fuel consumption, but with no drop-off in sporting ability. Indeed, some models now actually offer improved performance. Added to which, all engine variants now meet the stipulations of the EU6 exhaust gas standard.

A new entry-level diesel variant, additional models equipped with xDrive all-wheel drive and an even more powerful yet also more efficient range-topping V8 power plant join the action, completing an engine line-up that now covers an output spectrum from 105 kW/143 hp to 330 kW/450 hp. The new BMW 5 Series Sedan and new BMW 5 Series Touring can be specified with a choice of four petrol and six diesel engines. Beyond this, the Sedan also comes in BMW ActiveHybrid 5 full-hybrid and BMW M5 high-performance guise. The engine line-up for the new BMW 5 Series Gran Turismo comprises two petrol units and three diesels.

The cutting-edge chassis technology underpinning all the models in the BMW 5 Series family delivers a balance of dynamic performance and ride comfort without precedent in this market segment, while the Electric Power Steering system comes with Servotronic speed-sensitive power assistance as standard. The BMW 5 Series Touring and BMW 5 Series Gran Turismo are also fitted as standard with automatic self-levelling air suspension at the rear axle. Among the options available for all members of the BMW 5 Series family are the Integral Active Steering and Adaptive Drive systems, which no other model in this segment offers. Targeted enhancements of acoustic and suspension comfort in the BMW 5 Series Gran Turismo, meanwhile, lend even further emphasis to its role as the supreme long-distance specialist of

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the line-up. The Sedan and Touring have likewise made notable advances in these areas.

An efficient start: new entry-level diesel engine for the Sedan and Touring.

BMW TwinPower Turbo technology ensures an exemplary balance of driving pleasure and fuel consumption across the engine range. In the new entry-level diesel engine, which powers the BMW 518d Sedan and BMW 518d Touring, this package of technology consists of a turbocharger with variable inlet geometry and common rail direct injection with solenoid valve injectors. The 2.0-litre engine develops a maximum output of 105 kW/143 hp, generates peak torque of 360 Newton metres (266 lb-ft) and accelerates the new BMW 518d Sedan from 0 to 100 km/h (62 mph) in 9.6 seconds. The four-cylinder unit burns an average 4.5 – 4.9 litres of fuel per 100 kilometres (equivalent to 62.8 – 57.7 mpg imp) in the EU test cycle (CO₂ emissions: 119 – 129 grams per kilometre, depending on the gearbox and tyre format specified).

The selection of diesel power plants available for the Sedan and Touring includes two four-cylinder variants – fitted in the BMW 520d producing 135 kW/184 hp and the BMW 525d with 160 kW/218 hp – and three six-cylinder units. With average fuel consumption in the EU test cycle of 4.5 litres per 100 kilometres (62.8 mpg imp) and CO_2 emissions of 119 grams per kilometre, the new BMW 520d matches the figures of the 520d EfficientDynamics Edition it replaces.

Further up the range, the BMW 530d develops 190 kW/258 hp and the BMW 535d produces 230 kW/313 hp. And rounding off the line-up are two M Performance cars: the BMW M550d xDrive Sedan and BMW M550d xDrive Touring. They also use a 3.0-litre straight-six engine deploying M TwinPower Turbo technology with three turbochargers to deliver unrivalled peak output of 280 kW/381 hp and maximum torque of 740 Newton metres (546 lb-ft). Three diesel engines are available for the new BMW 5 Series Gran Turismo, powering the BMW 520d Gran Turismo, BMW 530d Gran Turismo and BMW 535d Gran Turismo.

Even more powerful, even more efficient: the V8 engine for the BMW 5 Series.

The new generation of the V8 engine with BMW TwinPower Turbo technology for the BMW 5 Series model family takes to the stage armed with a 10 per cent rise in output yet also significantly reduced fuel consumption. The eight-cylinder unit, found under the bonnet of the BMW 550i Sedan, BMW 550i Touring and BMW 550i Gran Turismo, now also combines its two twin-scroll turbochargers and High Precision Direct Injection with VALVETRONIC fully

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variable valve control. The power plant generates 330 kW/450 hp and maximum torque of 650 Newton metres (479 lb-ft) from its 4.4-litre displacement. The new BMW 550i Sedan, for example, sweeps from 0 to 100 km/h (62 mph) in just 4.6 seconds. Its average fuel economy in the EU test cycle stands at 8.6-8.8 litres per 100 kilometres (32.9 – 32.1 mpg imp). CO_2 emissions come in at 199-206 g/km, depending on the tyre format specified.

As well as the BMW 535i Sedan and BMW 535i Touring models, the multi-award-winning straight-six with 225 kW/306 hp also powers the BMW 535i Gran Turismo. A pair of four-cylinder petrol engines is likewise available for the Sedan and Touring. The engine powering the BMW 520i develops 135 kW/184 hp, while the unit offered for the BMW 528i from the launch of the new BMW 5 Series boasts revisions to various details and delivers 180 kW/245 hp.

The Sedan and Touring variants of the BMW 520i, BMW 528i, BMW 535i, BMW 518d, BMW 520d and BMW 525d are fitted with a six-speed manual gearbox as standard. Each of those models can also be specified as an option with the extremely fast and precise, not to mention extraordinarily efficient, eight-speed automatic transmission provided as standard for the BMW 550i, BMW 530d and 535d, as well as all variants of the BMW 5 Series Gran Turismo. The eight-speed automatic now comes with a coasting function and can also be ordered with shift paddles on the steering wheel. Shift paddles are also included with the eight-speed sports automatic transmission, a standard feature of the BMW M550d xDrive, which stands out with its ultra-impressive shift dynamics.

Additional models with BMW xDrive intelligent all-wheel drive.

The selection of engine variants that can be combined with the BMW xDrive intelligent all-wheel-drive system has also been expanded. The BMW 520d xDrive Sedan and BMW 520d xDrive Touring are both new additions to the range, the electronically controlled distribution of drive between the front and rear axle giving them a noticeable increase in traction and directional stability, not to mention an even sharper dynamic edge through quickly taken corners.

All-wheel drive is also available as an option for the Sedan and Touring versions of the BMW 528i, BMW 535i, BMW 525d, BMW 530d and BMW 535d, and the BMW 550i Sedan. The M Performance cars channel the power from their six-cylinder diesel engines through all four wheels as standard. All the models in the BMW 5 Series Gran Turismo line-up – with the exception of the BMW 520d – can be ordered with xDrive.

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State-of-the-art chassis technology delivers dynamics and comfort to order.

The fine-tuning carried out on the chassis for the new BMW 5 Series models makes for an even more assured conversion of engine power into dynamic performance and ride comfort. Both the double-wishbone front axle and the integral rear axle are made largely from aluminium. They allow the spring and damper systems to respond with great precision to inconsistencies in the road surface and ensure optimum road holding at all times. The overall result is a balance between sporting ability and ride comfort that no rival can better. What's more, the car's set-up can be adapted to suit individual needs or the driving situation at hand using the standard-fitted Driving Experience Control switch on the centre console. Pressing the button changes the driving mode, altering the responses of the accelerator and steering, as well as – if fitted – the shift characteristics of the automatic gearbox and the settings of the electronically controlled dampers.

The optional Dynamic Damper Control system adapts electronically to both the condition of the road and the driver's style. And the car's driving characteristics are further enhanced by the Adaptive Drive system, which includes active roll stabilisation. Electronically controlled anti-roll bars help to reduce the car's body roll through quickly taken corners and in sudden changes of direction, for example. M Sport lowered suspension is also available as an option.

In addition to controlling the amount of speed-dependent steering assistance generated and regulating the steering angle of the front wheels, Integral Active Steering also adjusts the steering angle of the rear wheels. This system imbues the car with impressive agility in dynamic driving situations, comfortable and assured reactions when changing lanes and through corners, and optimised manoeuvrability through tight bends and in city traffic.

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5. BMW ConnectedDrive in the new BMW 5 Series: Unique innovations for enhanced safety, convenience and infotainment.



- Intelligent connectivity secures leading role in mobile business applications and infotainment.
- BMW Parking Assistant with fully automatic mode.
- Driving Assistant Plus with Traffic Jam Assistant.

The intelligent link-up of the driver, vehicle and outside world enters a globally unique dimension in the new BMW 5 Series model family. The range of onboard BMW ConnectedDrive technology expands on an already impressive network of driver assistance systems and mobility services designed to enhance safety, convenience and in-car infotainment. The new additions see the BMW 5 Series consolidating its leading role in the field of mobile business applications and internet-based infotainment.

The BMW ConnectedDrive range of products and services has also benefited from focused development work in the area of driver assistance systems. Among the latest innovations are systems that relieve the stress on the driver in situations such as traffic tailbacks or slow-moving traffic and provide even greater assistance with parking manoeuvres.

BMW ConnectedDrive: outstanding connectivity for business, touring and infotainment.

A SIM card fitted in the car, the extensive integration of smartphones and an array of innovative BMW ConnectedDrive functions open up new avenues for mobile communication and the use of online services in the BMW 5 Series. These features take the convenience and variety offered by the in-car office applications, navigation capability and infotainment to an unrivalled level. A hands-free facility with USB connection comes as standard on all new BMW 5 Series models.

A suite of office functions turns the BMW 5 Series into a mobile workplace – underpinned by either the customer's mobile phone or the car's integrated SIM card. Emails, appointments, contacts, calendar entries and notes are displayed on the cockpit's central screen. A dictation function converts notes spoken by the driver into written text, which can then be stored and sent out by SMS or email.

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BMW Apps guide the user through the large and ever increasing number of services, which can be accessed using the customer's phone or internet connection. A unique feature worldwide is the Concierge Service, which BMW ConnectedDrive customers can use, for example, to make hotel bookings, search for addresses and telephone numbers or look up opening times. Also available are the remote functions from BMW ConnectedDrive, in-car internet usage and the online entertainment option offering a selection of some 12 million music tracks. BMW Apps includes features such as a web radio function, access to your Aupeo! personalised music library and in-car use of Facebook and Twitter. This service is constantly expanding to include new apps, which can be uploaded into the car via the SIM card or a smartphone. The car's integrated SIM card also forms the basis for the Intelligent Emergency Call function offered as standard in numerous markets. If the optional Navigation system Professional is specified, customers can also make use of the Real Time Traffic Information option, which keeps the driver supplied with extremely precise traffic alerts and congestion reports in real time.

Unsurpassed variety, new functions: BMW ConnectedDrive driver assistance systems.

The range of BMW ConnectedDrive driver assistance systems is now also more forward thinking and richer in variety than ever. The introduction of the glare-free High Beam Assistant, plus BMW Night Vision with Dynamic Light Spot and person and animal recognition, enhances safety when driving at night. The new generation of the High Beam Assistant creates optimal visibility at all times without any input required from the driver. The system uses a camera fitted into the rear-view mirror to identify vehicles travelling up to 400 metres (approx. ¼ mile) in front. Oncoming traffic is picked up when it is still 1,000 metres (just under ¾ mile) away. With the High Beam Assistant activated, the headlights are partially masked as and when required in order to eliminate the danger of dazzling vehicles as they draw closer.

BMW Night Vision also boasts new functions. The system is supplied with data by a thermal imaging camera mounted to the front of the vehicle. It provides a real-time video image in the Control Display showing people, animals and anything else that radiates heat even if they are located outside the area illuminated by the headlights. In addition, a control unit analyses the stream of video data, looking for pedestrians, cyclists and animals that are potentially on a collision course with the vehicle. The driver is alerted to such a situation by a symbol in the instrument cluster and the optional Head-Up Display. The urgent warning function adds an audible signal. Dynamic Light Spot is a special headlight, which directs a beam of light onto the people or

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animals detected by BMW Night Vision, providing the driver with an additional hazard alert.

Driving Assistant and Traffic Jam Assistant: increased safety and comfort in congestion and city traffic.

The new Driving Assistant option combines Lane Departure Warning and Collision Warning with a braking function. If the system detects an unintentional deviation from the vehicle's path, the steering wheel vibrates to warn the driver. The system can be used at speeds of at least 70 km/h (43 mph) and its camera also supplies the data required for the Collision Warning with braking function. This function can be activated at speeds of at least 15 km/h (9 mph) and uses visual and audible alerts to warn the driver of the danger of a collision with vehicles travelling ahead. The car's brakes are preloaded at the same time to shorten its potential stopping distance.

Driving Assistant Plus provides even more extensive assistance. This system brings together Active Cruise Control with Stop & Go function and the Driving Assistant to ensure, first and foremost, greater comfort and safety in slow-moving traffic and tailbacks. The driver can delegate proximity control duties to the system. The combination of a front-mounted camera and full-range radar sensors detects both vehicles travelling in front and stationary vehicles. If the driver does not react to the warning of a looming rear-end collision, Driving Assistant Plus automatically brakes the vehicle with anything up to maximum possible force, as required.

A Traffic Jam Assistant function is due to be added to Driving Assistant Plus in November 2013. At speeds of up to 40 km/h (25 mph) this function monitors both the distance to the vehicle in front and the car's position within its lane. The Traffic Jam Assistant uses steering assistance to keep the vehicle reliably in the centre of the lane.

Fully automatic BMW Parking Assistant offers an even more comprehensive helping hand.

Another innovation due to become available in November 2013 for the new BMW 5 Series Sedan and new BMW 5 Series Touring is the fully automatic BMW Parking Assistant. The new version of the system not only carries out the steering movements required for reverse parallel parking, but also operates the accelerator and brake pedal. All of which means the BMW 5 Series can glide into the selected parking space fully automatically.

New functions have also been added to the Active Protection option. In critical situations this package of safety features deploys an array of measures to help mitigate the consequences of a possible accident. To this end, the car's side

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windows and sliding sunroof (if fitted) are closed, the front seatbelts are pulled tight and the front passenger seat backrest is raised into an upright position. Active Protection now also includes the Attentiveness assistant, which analyses driving behaviour and, if necessary, suggests the driver takes a break.

Intelligent Emergency Call with automatic position finding and accident severity recognition is part of the standard specification in a large number of markets and provides fast and appropriate assistance in the event of a collision. BMW took the lead in the marketplace with this system around 15 years ago, and the latest generation sends important information – such as the car's precise location, its chassis number, vehicle type and colour, and the data collected by sensors positioned around the car – to the BMW call centre in the event of a crash. This information confirms how many people are in the car and which airbags have been deployed, and indicates the intensity of the impact.

Looking good: Head-Up Display, Speed Limit Info, Lane Change Warning, Surround View.

The latest innovations in the BMW ConnectedDrive portfolio add further depth to the already exceptionally wide range of driver assistance systems on board the BMW 5 Series. Highlights include the full-colour BMW Head-Up Display, which now also projects telephone contacts and entertainment programme listings onto the windscreen, Speed Limit Info with No Passing Info, and Lane Change Warning.

The optional rear-view camera and Surround View help to provide a better overview of the area around the car and the road ahead. In addition to the rear-view camera and the Park Distance Control sensors, Surround View also makes use of two cameras in the exterior mirrors and shows a bird's-eye view of the car and the area around it on the Control Display. The system also includes the Side View function, which assists the driver when pulling out from narrow and concealed gateways or car park exits. Two cameras integrated into the front bumper enable the driver to monitor cross-traffic.

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6. BMW EfficientDynamics for the new BMW 5 Series: Increasing driving pleasure, reducing fuel consumption.



- Outstanding efficiency in all output classes.
- Petrol and diesel engines meet EU6 exhaust gas standard.
- New and unique in the segment: coasting mode, Proactive Driving Assistant, ECO Pro Route.

The BMW 5 Series model family offers not only a case study in driving pleasure, but also a template for efficiency in the executive class. All the models in the line-up strike a balance between fuel consumption and performance none of its rivals can match. The new BMW 5 Series adds further weapons to the arsenal of technology deployed to reduce fuel consumption and emissions. Innovative powertrain management and energy management functions join optimised aerodynamic details in helping the BMW 5 Series to extend its lead in the efficiency race.

BMW TwinPower Turbo and BMW BluePerformance meet the challenges of the EU6 exhaust gas standard.

All the engines available for the new BMW 5 Series come with BMW TwinPower Turbo technology. And all the members of the new 5 Series family already fulfil the stipulations of the EU6 exhaust gas standard due to come into force in September 2014. The diesel models meet the restrictions on nitrogen oxide emissions set out by the standard through extremely effective exhaust gas treatment. The BMW BluePerformance technology employed to this effect consists of either a nitrogen oxide storage catalytic converter or an SCR catalytic converter with urea injection, depending on the model.

Extensive BMW EfficientDynamics package includes innovative additions.

Like the manual gearbox fitted in the BMW 5 Series, the eight-speed automatic option also stands out with its remarkable efficiency. Indeed, the majority of 5 Series models burn even less fuel with the eight-speed automatic specified than when the same engine teams up with the manual gearbox. All the models in the BMW 5 Series line-up come as standard with features including the Auto Start-Stop function, Brake Energy Regeneration, the need-based operation of ancillary components, active air vents, Electric Power Steering and tyres with reduced rolling resistance. Elsewhere, modifications to the wheel arches and underbody panelling and a redesigned front apron contribute to further optimisation of the cars' aerodynamic properties. The

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result, among other things, is a reduction in the drag coefficient (Cd value) of the new BMW 520d to 0.25.

The standard-fitted Driving Experience Control switch can be used to activate ECO PRO mode, which tweaks the engine management, accelerator responses and shift characteristics of the automatic gearbox to help the driver keep revs low and burn as little fuel as possible. Plus, efficient power usage for electrically operated functions such as the climate control system and the seat and exterior mirror heating ensures efficient energy management. A coasting mode is now also available for the first time in conjunction with the optional automatic gearbox. In ECO PRO mode this function disengages the powertrain as soon as the driver takes his foot off the accelerator at speeds between 50 and 160 km/h (31 and 99 mph). This allows the car to glide along with no engine braking effect and burning only minimal amounts of fuel.

The optional Navigation system Professional also does its bit to assist efficient driving, presenting drivers with not only the quickest or shortest route to their destination, but also the ECO PRO Route – mapped out to keep fuel consumption particularly low. Another innovation making its debut in the new BMW 5 Series range is the Proactive Driving Assistant. With the navigation system's route guidance activated, this function advises the driver on the ideal moment to take his foot off the accelerator when approaching corners and speed-restricted areas in order to reduce fuel consumption. The BMW ActiveHybrid 5 comes with specially adapted versions of the coasting mode and Proactive Driving Assistant, helping customers to make maximum use of the car's pure electric driving potential.

Technical Specifications. BMW 520i Sedan,

BMW 528i Sedan.



		BMW 520i	BMW 528i
Body		4.15	115
No of doors/seats		4/5	4/5
Length/width/height ¹⁾ (unladen) Wheelbase	mm	4907 / 1860 / 1464 2968	4907 / 1860 / 1464 2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	mm m	12.0	12.0
Tank capacity	app ltr	70	70
Cooling system incl heater	app iti Itr	9.1 (9.3)	9.1 (9.3)
Engine oil ²⁾	ltr	5.75	5.75
Weight, unladen, to DIN/EU	kg	1595 / 1670	1610 / 1685
veight, amaden, to blive	Νg	(1615 / 1690)	(1625 / 1700)
Max load to DIN	kg	610	610
Max permissible	kg	2205 (2225)	2220 (2235)
Max axle load, front/rear	kg	1070 / 1280	1070 / 1280
Max trailer load (12%),	kg	1900 (2000) / 750	2000 / 750
braked/unbraked	J		
Max roofload/max towbar dwnl	kg	100 / 90	100/90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.25 x 2.35	0.26 x 2.35
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		with Twin-Scroll	with Twin-Scroll
		turbocharger,	turbocharger,
		direct injection and fully variable valve control	direct injection and fully variable valve control
		(VALVETRONIC)	(VALVETRONIC)
Capacity, effective	CC	1997	1997
Stroke / bore	mm	90.1 / 84.0	90.1 / 84.0
Compression ratio	:1	10.0	10.0
Fuel grade	.1	Min RON 91	Min RON 91
Max output	kW/hp	135 / 184	180 / 245
at	rpm	5000-6250	5000-6500
Max torque	Nm	270	350
at	rpm	1250-4500	1250-4800
<u> </u>	тріті	1200 1000	.200 1000
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
7 WEST TAKEST	,,,,,		
Driving Dynamics and Safety	,		
Suspension, front	<u>'</u>		de with separate lower track arm level, aluminium,
			steering roll radius, anti-dive
Suspension, rear			aluminium, with steering function, anti-squat and
Brakes, front			e, double acoustic separation n swing-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented	348 x 30 / inner-vented
Brakes, rear	mm		iston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented
	mm		d DTC Dynamic Traction Control, CBC Cornering
Driving stability systems		Brake Control, DBC Dyna	mic Brake Control, Dry Braking function, Fading f Assistant; optional: Dynamic Damper Control
Safety equipment		Standard: airbags for driv and front passenger, he inertia-reel belts on all sea	wer and front passenger, side airbags for driver ad airbags for front and rear seats, three-point ts with belt stopper, belt tightener and belt force activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering			er Steering (EPS) with Servotronic; nal: Integral Active Steering
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear	. !	225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy
		SS A 17 light dilloy	So X 17 light diloy

			BMW 520i	BMW 528i
Transmissi	on			
Type of gear			Six-speed manual (optional: eight-speed a	automatic with Steptronic)
Gear ratios	1	:1	3.683 (4.714)	3.683 (4.714)
	<u> </u>	:1	2.062 (3.143)	2.062 (3.143)
	ill .	:1	1.313 (2.106)	1.313 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)
	V	:1	0.809 (1.285)	0.809 (1.285)
	VI	:1	0.677 (1.000)	0.677 (1.000)
	VII	:1	- (0.839)	- (0.839)
	VIII	:1	- (0.667)	- (0.667)
	R	:1	3.348 (3.295)	3.348 (3.295)
Final drive		:1	3.909 (3.231)	3.909 (3.231)
Performano	ce			
Power-to-we	eight ratio	kg/kW	11.8 (12.0)	8.9 (9.0)
Output per lit		kW	67.6	90.1
Acceleration		sec	7.9 (7.9)	6.2 (6.3)
	0–1000 m	sec	29.1 (29.2)	26.1 (26.2)
in 4th gear	80-120 km/h	sec	7.5 / 10.5 (–)	6.2 / 8.3 (–)
Top speed		km/h	235 (233)	250 (250)
BMW Efficien	entDynamics		rake Energy Regeneration with recuperation o	
			on-demand operation of ancillary u Electric Power Steering (EPS), map-control compressor, tyres with reduced	led oil pump, detachable a/c
Fuel Consu	ımption EU ³⁾			
With standar	d wheels and tyre	es: 8J x 17 wh	eels, 225/55 R17 tyres (2K1)	
Urban		ltr/100 km	8.4 (8.1)	8.8 (8.0)
Extra-urban		ltr/100 km	5.2 (4.7)	5.3 (5.0)
Combined		ltr/100 km	6.4 (6.0)	6.6 (6.1)
CO ₂		g/km	149 (139)	154 (142)
With 8J x 18	wheels and 245	45 R18 tyres	and with winter tyres (2HM. 2K2, 931)	
Urban		ltr/100 km	8.7 (8.4)	9.1 (8.3)
Extra-urban		ltr/100 km	5.4 (4.9)	5.5 (5.1)
Combined		ltr/100 km	6.6 (6.2)	6.8 (6.3)
CO ₂		g/km	154 (144)	163 (147)
With 8.5J x 1	19 wheels at front	t, 9J x 19 at re	and 245/45 R18 tyres at front, 275/40 R18 at ar and 245/40 R19 tyres at front, 275/35 R19	at rear (2K3, 2WC, 2MZ, 2ND)
	20 wheels at front	<u>, </u>	ar and 245/35 R20 tyres at front, 275/30 R20	
Urban		ltr/100 km	9.0 (8.6)	9.4 (8.6)
Extra-urban		ltr/100 km	5.5 (5.1)	5.6 (5.3)
Combined		ltr/100 km	6.8 (6.4)	7.0 (6.5)
CO ₂		g/km	159 (149)	164 (152)
Emission rati	ing		EU6	EU6
Insurance C	Category			
(Germany) KH / VK / TK			4)	4)
ISLIT VIXT IIX	•			

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW 535i Sedan, BMW 550i Sedan.

No of coorsiseats			BMW 535i	BMW 550i
No. of doorseleasts				
LongthWeldthReight (unladen) mm 4907/1860/1464 4907/1860/1464 Wheelbase mm 2668 2988 Track, front/rear mm 1600/1627 1600/1627 Ground desarance mm 1410 141 Turking carcie m 12.0 12.0 Tank capacity app ltr 70 70 Cooling system incl heater ltr 10.1(10.2) 11.6 Engine oil* ltr 6.5 9.0 Weight, unladen, to DINIEU kg 1675/1750 1830/1905 Max load to DIN kg 610 600 Max permissible kg 2285/2300 2430 Max sade load, front/rear kg 2000 / 750 2000 / 750 Max raler load (12%), kg 2000 / 750 2000 / 750 2000 / 750 Max resistance dx A 0.26 x 2.35 0.27 x 2.35 Engine Straight-sk / 4 V90 / 8 / 4 V90 / 8 / 4 ConfigNo of cyls-valves Straight-sk / 4 V90 / 8 / 4			4.15	4.15
Minesclusion				
Track, Individual Clearance	<u> </u>			
Accord clearance				
Turning circle				
Tank capacity				
Cooling system incl heater Itr 10.1 (10.2) 11.6 Engine oil* Itr 6.5 9.0 1830 / 1905 / 1905 / 190				
Engine oil 10 Itr 6.5 9.0 Wolght, unladen, to DINEU kg 1(575/1750) 1830/1905 Max load to DIN kg 610 600 Max permissible kg 2285(2300) 2430 Max axelle load, front/rear kg 1100/1285 1195/1315 Max rosilloadinar towbar dwnl kg 2000 / 750 2000 / 750 briskedubrarked kg 100/90 100/90 Luggage comp capacity tr 520 520 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine C Cd x A 0.26 x 2.35 0.27 x 2.35 Engine technology BMW TwinPower Turbo, with Twin-Scroll with two turbohapter, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) BMW TwinPower Turbo, and fully-variable valve control (VALVETRONIC) BMW TwinPower Turbo, and fully-variable valve control (VALVETRONIC) Stroke I bore 2979 4395 Capacity, effective cc 2979 4395 183/189,0 Compression ratio :1 10.2 10.0 10.0	_ : :			
Weight, unladen, to DINIEU kg 1675/1750 1830/1905 Max load to DIN kg 610 600 Max wale load, front/rear kg 2285 (2300) 2430 Max rade load, front/rear kg 1109 (1725) 1195/1315 Max traelicad, front/rear kg 1000/1750 2000/1750 Max troelfoad/max towbar dwnl kg 100/90 100/90 Luggage comp capacity ltr 520 520 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine Config/No of cylsvalves Straight-six / 4 V90 / 8 / 4 Engine technology BMW Twin/Power Turbo, with Twin-Scroll with two turbochangers, direct fuel injection (high Precision injection) and fully-variable valve control (VALVETRONIC) Max output the fully-variable valve control (VALVETRONIC) Capacity, effective cc Cs 2979 4.395 Stroke Jobre mm 89.6 / 84.0 88.3 / 89.0 88.3 / 89.0 Compression ratio :1 10.2 10.0 10.0 10.0 10.0 10.0 10.0				
Max load to DIN				
Max permissible kg 2285 (2300) 2430 Max axide load, front/rear kg 1100 / 1285 1195 / 1315 Max trailer load (12%), braked/unbraked 2000 / 750 2000 / 750 Max rooffload/max towbar dwnl kg 100/90 100/90 Luggage comp capacity Itr 520 520 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine <th< td=""><td></td><td>kg</td><td>(1690 / 1765)</td><td></td></th<>		kg	(1690 / 1765)	
Max ade load, front/rear kg 1100 / 1285 1195 / 1315 Max trailer load (1296), load, load by the provised function and training to the provised function and training to the provision of t	Max load to DIN	kg	610	600
Max trailer load (12%), braked/unbraked kg 2000 / 750 2000 / 750 Draked/unbraked Max roofload/max towbar dwnl kg 100/90 100/90 Luggage comp capacity Itr 520 520 Lugrage comp capacity Itr 520 520 Engine Cd x A 0.26 x 2.35 0.27 x 2.35 Engine Config/No of cyls/valves Straight-six / 4 V90 / 8 / 4 Engine technology BMW TwinPower Turbo, with Two turbochargers, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) BMW TwinPower Turbo, with Two turbochargers, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88.3 / 89,0 Compression ratio :1 10.2 10.0 Deal grade Min RON 91 Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 600 Max output kW/hp 225 / 306 360 – 600 </td <td>Max permissible</td> <td>kg</td> <td>2285 (2300)</td> <td>2430</td>	Max permissible	kg	2285 (2300)	2430
brakedulnbraked Wax roofload/max towbar dwnl kg 100/90 100/90 Max roofload/max towbar dwnl kg 100/90 520 520 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine Config/No of cyls/valves Engine technology BMW TwinPower Turbo, BMW TwinPower Turbo, With Twin-Scroll With two furbocharger, direct due injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) and fully-variable valve control (VALVETRO	Max axle load, front/rear	kg	1100 / 1285	1195 / 1315
Luggage comp capacity Itr 5.20 5.20 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine Engine Config/No of cyts/valves Straight-six / 4 V90 / 8 / 4 Engine technology BMW TwinPower Turbo, BMW TwinPower Turbo, with two turbochargers, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2.979 4.395 Stroke / bore mm 88.6 / 84.0 88.3 / 89.0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 650 at rpm 5800 – 6000 2000 – 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080			2000 / 750	2000 / 750
Luggage comp capacity Itr 5.20 5.20 Air resistance Cd x A 0.26 x 2.35 0.27 x 2.35 Engine Engine Config/No of cyts/valves Straight-six / 4 V90 / 8 / 4 Engine technology BMW TwinPower Turbo, BMW TwinPower Turbo, with two turbochargers, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2.979 4.395 Stroke / bore mm 88.6 / 84.0 88.3 / 89.0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 650 at rpm 5800 – 6000 2000 – 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080	Max roofload/max towbar dwnl	ka	100/90	100/90
Page				
Config/No of cyls/valves				
Engine technology BMW TwinPower Turbo, with Twin-Scroll with two turbochargers, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88.3 / 89.0 Compression ratio :1 10.2 10.0 Capacity effective in min Ron 91				
with Twin-Scroll with two turbochargers, direct fuel injection (High Precision Injection) (High Precision Injection) (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 5500 – 6000 Max torque Nm 400 5500 – 6000 Max torque Nm 5800 500 – 6000 2000 – 4500 Electrical System Battery/installation An/- 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Srakes, rear Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DSC Dynamic Brake Control, DSC Dynamic Brake Control, DSC Dynamic Brake Control, CBC Cornering Corpensation, Standard: DSC incl ABS and DTC Dynamic Brake Control, CBC Cornering Brake Control, CBC Cornering Brake Control, CBC Cornering Corpensation, Standard Brakes Standard: DSC incl ABS and DTC Dynamic	Config/No of cyls/valves			
turbocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Min RON 91 Max output kW/np 225 / 306 330 / 455 ot t rpm 5800 5500 - 6000 Max torque Nm 400 5500 - 6000 Max torque Nm 400 5500 - 6000 Max torque Nm 5800 - 6000 2000 - 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axie with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, Dry Carlon and Frakes and front passenger, side airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear sates, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 1.7.1 Tyres, front/frear 225/55 R17 97W 245/45 R18 96Y RSC	Engine technology			
direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 5800 5500 – 6000 Max torque Nm 400 650 at rpm 5800 6000 2000 – 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented 58 rakes, rear Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DSC Dynamic Brake Control, DSC Dynamic Brake Control, CBC Cornering Brake Control, DSC playmanic Brake Control, CBC Cornering Brake Control, DSC playmanic Brake Single-piston aluminium swing-calliper disc brakes in frame structure Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DSC playmanic Brake Control, DSC playmani				
(High Precision Injection) and fully-variable valve control (VALVETRONIC) Capacity, effective c c 2979 4395 Erroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kWhp 225 / 306 330 / 450 at rpm 5800 5500 - 6000 Max torque Nm 400 5500 - 6000 Max torque Nm 400 5500 - 6000 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator Aw 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, OBC Cornering Brakes on the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 1.1.1 Tyes, front/frear 225/55 R17 97W 245/45 R18 96Y RSC				
and fully-variable valve control (VÅLVETRONIC) Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Capacity effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Max output kWhp 225 / 306 330 / 450 at rpm 5800 5500 6500 Max torque Nm 400 650 at rpm 5800 6000 2000 - 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DSC Dynamic Brake Control, DSC Parking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: 25C incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DSC planamic Brake				
Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88.3 / 89.0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 6500 at rpm 5800 - 6000 2000 – 4500 Electrical System Battery/installation Ah/– 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, rear Integral-Y multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 345 x 24 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes in frame structure Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Adaptive Drive and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 1.7.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC				
Capacity, effective cc 2979 4395 Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 - 6000 Max torque Nm 400 650 at rpm 5800 - 6000 2000 - 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-pis				control (VALVE I RONIC)
Stroke / bore mm 89.6 / 84.0 88,3 / 89,0 Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 650 at rpm 5800 – 6000 2000 – 4500 Electrical System Battery/installation Ah/— 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: airbags for driver and front passenger, side airbags for driver and front passenger			<u> </u>	1005
Compression ratio :1 10.2 10.0 Fuel grade Min RON 91 Min RON 91 Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 - 6000 Max torque Nm 400 650 at rpm 5800 - 6000 2000 - 4500 Electrical System Batteryfinstallation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston aluminium swing-calliper disc brakes Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 374 x 36 / inner-v				
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Max output kW/hp 225 / 306 330 / 450 at rpm 5800 5500 – 6000 Max torque Nm 400 650 at rpm 5800 – 6000 2000 – 4500 Electrical System Battery/installation Ah/– 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, strear figuration, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brak		:1		
at rpm 5800 5500 - 6000 Max torque Nm 400 650 at rpm 5800 - 6000 2000 - 4500 Electrical System Batteryfinstallation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DTy Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Fuel grade			
Max torque Nm 400 650 at rpm 5800 – 6000 2000 – 4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Max output	kW/hp		
Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dynamic Brake Control, DBC Dynamic Brake Control, Teading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	at	rpm	5800	5500 – 6000
Electrical System Battery/installation	Max torque	Nm	400	650
Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 220 / 3080 Driving Dynamics and Safety Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, front Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steerin	at	rpm	5800 – 6000	2000 – 4500
Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Int	Electrical Custom			
Alternator AW 170 / 2380 220 / 3080 Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Transmission, overall 11 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC		Λ I= /	00 / luggaga comp	00 / luggogo comp
Driving Dynamics and Safety Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 245/45 R18 96Y RSC				
Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Alternator	A/W	17072380	220 / 3080
Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Driving Dynamics and Safety	,		
Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 11 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC			Double track control arm ax	le with separate lower track arm level, aluminium,
Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure				
Brakes, front Diameter Driving stability systems Driving	Suspension, rear		•	, , ,
Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC				·
Brakes, rear Diameter Diameter Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC				
Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC		mm	348 x 36 / inner-vented	374 x 36 / inner-vented
Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Brakes, rear		Single-pis	ston swing-calliper disc brakes
Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Diameter	mm		
Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering Steering transmission, overall 1 17.1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Driving stability systems		Brake Control, DBC Dynar	nic Brake Control, Dry Braking function, Fading
Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Safety equipment		Standard: airbags for driv and front passenger, hea inertia-reel belts on all seat limiter at the front, crash-a	ver and front passenger, side airbags for driver ad airbags for front and rear seats, three-point as with belt stopper, belt tightener and belt force activated headrests at the front, crash sensors,
Steering transmission, overall :1 17.1 17.1 Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Steering			
Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RSC	Steering transmission overall	-1	· · · · · · · · · · · · · · · · · · ·	
		.1		
	Rims, front/rear		8J x 17 light-alloy	8J x 18 light-alloy

			BMW 535i	BMW 550
Transmissio	<u> </u>			
Type of gearb		Siv-end	eed manual (optional:	Eight-speed automation
Type of gears	JOX		peed automatic with	with Steptronic
		Steptro	•	With Stoph of the
Gear ratios		:1	4.110 (4.714)	4.714
	II	:1	2.315 (3.143)	3.14
	III	:1	1.542 (2.106)	2.100
	IV	:1	1.179 (1.667)	1.66
	V	:1	1.000 (1.285)	1.28
	VI	:1	0.846 (1.000)	1.000
	VII	:1	- (0.839)	0.839
	VIII	:1	- (0.667)	0.66
	R	:1	3.727 (3.295)	3.31
Final drive		:1	3,231 (3,077)	2.813
Performanc	e			
Power-to-wei	ght ratio	kg/kW	7.4 (7.5)	5.5
Output per liti	re	kW/hp	75.5	75.
Acceleration	0–100 km/h	sec	5.8 (5.7)	4.6
	0–1000 m	sec	25.1 (25.5)	23.5
In 4th gear	80-120 km/h	sec	5.9 / 6.9 (–)	-
Top speed		km/h	250	250
Fuel Consur	nation Ell ³⁾	Electr	demand operation of ancilla ic Power Steering (EPS), detachable roll resista	e a/c compressor, tyres with reduced
		es: 8J x 17 wheels.	225/55 R17 tvres (BMW 535i), 8J x	18 wheels, 245/45 R18 tyres (BMW
550i)				
Urban		ltr/100 km	11.0 (10.0)	11.8
Extra-urban		ltr/100 km	6.2 (5.6)	6.6
Combined		ltr/100 km	8.0 (7.2)	8.6
CO ₂		g/km	186 (169)	199
With 8J x 18 v	wheels and 245		with winter tyres (2HM, 2K2, 931)	
Urban		ltr/100 km	11.3 (10.3)	
Extra-urban		ltr/100 km	6.3 (5.8)	
Combined		ltr/100 km	8.2 (7.5)	
CO ₂		g/km	191 (174)	
With 8.5J x 19	9 wheels at fron	, 9J x 19 at rear an	245/45 R18 tyres at front, 275/40 R d 245/40 R19 tyres at front, 275/35 d 245/35 R20 tyres at front, 275/30	R19 at rear (2K3, 2WC, 2MZ, 2ND)
Jrban		ltr/100 km	11.6 (10.6)	12.:
Extra-urban		ltr/100 km	6.5 (6.0)	6.
Combined		ltr/100 km	8.4 (7.7)	8.
CO ₂		g/km	196 (179)	20
Emission ratir	ng	<u> </u>	EU6	EU
Insurance C	ategory			
(Germany)			4)	
KH/VK/TK			7/	

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models

All technical data are provisional

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW ActiveHybrid 5.

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		BMW ActiveHybrid 5
Body		4.5
No. of doors/seats		4/5
Length/width/height 1) (unladen) Wheelbase	mm	4907 / 1860 / 1464
	mm	2968
Track, front/rear	mm	1600 / 1627
Ground clearance	mm	141
Turning circle	m	12.0
Tank capacity	app ltr	67
Cooling system incl. heating	ltr	10.3
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1850 / 1925
Max load to DIN	kg	550
Max permissible weight	kg	2400
Max axle load, front/rear	kg	1140 / 1350
Max trailer load, braked (12%)/unbraked	kg	-1-
Max roof load/towbar download	kg	100/-
Luggage comp capacity	ltr	375
Air resistance	c _d x A	0.27 x 2.35
Engine		
Configuration/No. of cyls./valves		R/6/4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Petrol Injection and fully variable valve control (VALVETRONIC)
Effective capacity	cm ³	2979
Stroke / bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel grade		Min RON 91
Output	kW/hp	225 / 306
at	min ⁻¹	5800 - 6000
Torque	Nm	400
at	min ⁻¹	1200-5000
Output electric motor	kW/hp	40 / 55
Torque electric motor	Nm	210
System output	kW/hp	250 / 340
System torque	Nm	450
Electrical System		
Battery/Installation	Ah/–	90 +50 / luggage comp.
High-voltage battery	Wh	1350
Alternator	A/W	200 + 170 / 2800 + 2400
Driving Dynamics and Safety		
Suspension, front		Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle, aluminium, with anti-squat and anti-dive, double acoustic separation
Brakes, front		Frame-type aluminium single-piston floating-calliper disc brakes
Diameter	mm	348 x 36 / inner-vented
Brakes, rear	111111	Aluminium single-piston floating-calliper disc brakes
Diameter	mm	345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter integrated in the front seats, crash-activated head restraints at the front, crash sensors, Tyre Defect Indicator
Steering		Electric Power Steering (EPS) with Servotronic
Steering ratio, overall	:1	17.1
Tyres, front/rear		225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy
io, ironaroui		OJ X 17 IIgrit-alloy

Transmission Type of gearbox Gear ratios I	Eight-speed automatic with Steptronic 4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667 3.317
Type of gearbox	4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667 3.317
I	4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667 3.317
II	2.106 1.667 1.285 1.000 0.839 0.667 3.317
IV	1.667 1.285 1.000 0.835 0.667 3.317
IV	1.285 1.000 0.839 0.667 3.317
V	1.000 0.839 0.667 3.317
VII	0.839 0.667 3.317
VIII	0.667 3.317
R	3.317
Final drive :1 Performance (System) Power/weight ratio kg/kW Output per litre kW Acceleration 0-100 km/h s in 4th gear 80-120km/h s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics, standard features BMW ActiveH display, hybrid ECO PRO more flap control integral display, hybrid ECO PRO more flap con	
Performance (System) Power/weight ratio kg/kW Output per litre kW Acceleration 0–100 km/h s 0–1000 m s in 4th gear 80–120km/h s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics, standard features display, hybrid ECO PRO month of the flag control integral int	2 920
System Power/weight ratio kg/kW	2.025
Output per litre kW Acceleration 0–100 km/h s 0–1000 m s in 4th gear 80–120km/h s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics, BMW ActiveH display, hybric ECO PRO months flap control integration integrat	
Acceleration 0-100 km/h s 0-1000 m s in 4th gear 80-120km/h s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics, standard features BMW ActiveH display, hybrid ECO PRO mc flap control integral flap control	8.2 (7.4)
O-1000 m s in 4th gear 80-120km/h s Top speed km/h	75.5
in 4th gear 80–120km/h s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics, standard features Fuel Consumption EU³) with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K²) Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (2K²) Urban Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (2K²) Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Combined Itr/100km Combined Itr/100km Combined Itr/100km Copy g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8J x 18 front, 9J x 19 rear and tyres 245/40 If with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 If Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	5.9
BMW EfficientDynamics BMW EfficientDynamics, standard features Fuel Consumption EU³ with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K² Urban Itr/100km Extra-urban Itr/100km Conbined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (3 Urban Itr/100km Extra-urban Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (3 Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km Combined Itr/100km Combined Itr/100km Combined Itr/100km Coy2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8J x 18 front, 9J x 19 rear and tyres 245/45 R² with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 IUrban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	25.5
BMW EfficientDynamics BMW EfficientDynamics, standard features Fuel Consumption EU³ with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K² Urban Itr/100km Extra-urban Itr/100km Conbined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (3 Urban Itr/100km Extra-urban Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8J x 18 front, 9J x 19 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 20 rear and tyres 245/45 IV with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 IV Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	
BMW EfficientDynamics, standard features Fuel Consumption EU³ with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K² Urban Itr/100km Extra-urban Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (3) Urban Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (3) Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km Combined Itr/100km Combined Itr/100km Combined Itr/100km Coy g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/45 R² with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	250
Standard features display, hybrid ECO PRO mc flap contro integral	
with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K² Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (; Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	ted in the high-voltage network, map-controlled oil pump, tyres with reduced roll resistance
with standard tyres: rims 8J x 17, tyres 225/55 R17 (2K² Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (; Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 20 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Extra-urban Itr/100km	
Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (in the combined of the combine)
Combined Itr/100km CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (in the combined of the co	6.1
CO2 g/km with rims 8J x 18 and tyres 245/45 R18 or winter tyres (Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	6.6
with rims 8J x 18 and tyres 245/45 R18 or winter tyres (Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	6.4
Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	149
Extra-urban Itr/100km Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	
Combined Itr/100km CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	6.5
CO2 g/km with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	7.0
with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R² with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	
with rims 8.5J x 19 front, 9J x 19 rear and tyres 245/40 I with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 I Urban Itr/100km Extra-urban Itr/100km Combined Itr/100km	6,8
with rims 8.5J x 20 front, 9J x 20 rear and tyres 245/35 l Urban ltr/100km Extra-urban ltr/100km Combined ltr/100km	
Urban ltr/100km Extra-urban ltr/100km Combined ltr/100km	159
Extra-urban Itr/100km Combined Itr/100km	159 8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND)
Combined ltr/100km	159 8 front, 275/40 R18 rear (2AH, 2DC, 2NC) 819 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) 820 front, 275/30 R20 rear (2H9)
	159 8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) R20 front, 275/30 R20 rear (2H9)
CO_2 a/km	159 8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) R20 front, 275/30 R20 rear (2H9) 6.7
	8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) R20 front, 275/30 R20 rear (2H9) 6.7 7.2
Emission rating	8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) R20 front, 275/30 R20 rear (2H9) 6.7 7.2 7.0
Insurance Category	159 8 front, 275/40 R18 rear (2AH, 2DC, 2NC) R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND) R20 front, 275/30 R20 rear (2H9) 6.7 7.2 7.0
(Germany) KH / VK / TK	R19 front, 275/35 R19 rear (2K3, 2WC, 2MZ, 2ND)

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 518d Sedan, BMW 520d Sedan, BMW 525d Sedan.

		BMW 518d	BMW 520d	BMW 525d	
Body					
No of doors/seats		4/5	4/5	4/5	
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1464	4907 / 1860 / 1464	4907 / 1860 / 1464	
Wheelbase	mm	2968	2968	2968	
Track, front/rear	mm	1600 / 1627	1600 / 1627	1600 / 1627	
Ground clearance	mm	141	141	141	
Turning circle	m	12.0	11.95	11.95	
Tank capacity	app ltr	70	70	70	
Cooling system incl heater	ltr	7.0	7.0	8.0	
Engine oil ²⁾	ltr	5.2	5.2	5.2	
Weight, unladen, to DIN/EU		1615 / 1690	1620 / 1695	1650 / 1725	
	kg	(1625 / 1700)	(1630 / 1705)	(1655 /1730)	
Max load to DIN	kg	610	610	610	
Max permissible	kg	2225 (2235)	2230 (2240)	2260 (2265)	
Max axle load, front/rear	kg	1060 / 1275	1060 / 1275	1100 / 1290	
Max trailer load (12%), braked/unbraked	kg	1800 (2000) / 750	1800 (2000) / 750	2000 / 750	
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90	100 / 90	
Luggage comp capacity	ltr	520	520	520	
Air resistance	Cd x A	0.26 x 2.35	0.25 x 2.35	0.26 x 2.35	
Engine					
Config/No of cyls/valves		R/4/4	Straight-four / 4	Straight-four / 4	
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo	BMW TwinPower Turbo	
9		technology with variable-	technology with variable-	technology with multi-	
		geometry turbocharger,	geometry turbocharger,	stage variable-geometry	
		Common Rail direct	Common Rail direct	high-pressure	
		injection with solenoid	injection with solenoid	turbocharger, Common Rail direct injection with	
		valve injectors (max.	valve injectors (max.	piezo injection with	
		injection pressure: 1800 bar)	injection pressure: 1800 bar)	injection pressure: 2000 bar)	
Capacity, effective	CC	1995	1995	1955	
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	90.0 / 84.0	
Compression ratio	:1	16.5	16.5	16.5	
Fuel grade	.1	Diesel	Diesel	Diesel	
Max output	kW/hp	105 / 143	135 / 184	160 / 218	
		4000	4000	4400	
at	rpm				
Max torque	Nm	360	380	450	
<u>at</u>	rpm	1750	1750-2750	1500	
Electrical System	Λ I= /	00 / luggaga comp	00 / luggaga aamn	00 / luggaga comp	
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp	90 / luggage comp	
Alternator	A/W	180 / 2520	180 / 2520	180 / 2520	
Driving Dynamics and Safety	/	Dauble track central arm	avla with apparata lawar tr	andr arma lavral, altraminium	
Suspension, front		sma	axle with separate lower tra all steering roll radius, anti-c	live	
Suspension, rear		anti-c	e, aluminium, with steering dive, double acoustic separ	ation	
Brakes, front		Single-piston alumini	um swing-calliper disc brak	es in frame structure	
Diameter	mm		330 x 24 / inner-vented	348 x 30 / inner-vented	
Brakes, rear		Single-	piston swing-calliper disc b	orakes	
Diameter	mm	330 x 20 / inner-vented		330 x 20 / inner-vented	
Driving stability systems		Standard: DSC incl ABS a Brake Control, DBC Dyr	and DTC Dynamic Traction namic Brake Control, Dry B	Control, CBC Cornering raking function, Fading	
		Compensation, Start-0	Off Assistant; optional: Dyn	amic Damper Control	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,			
Steering			Tyre Defect Indicator wer Steering (EPS) with Se		
Occorning			ional: Integral Active Steeri		
Steering transmission, overall	:1	17.1	17.1	17.1	
Tyres, front/rear	·	225/55 R17 97W	225/55 R17 97W	225/55 R17 97W	
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 17 light-alloy	
		SS A 17 light dilby	SS A. IT light diloy	SS A 17 light diloy	

			BMW 518d	BMW 520d	BMW 525d
Transmission	on				
Type of gearl			Six-speed manual (options	al: eight-speed automatic w	vith Steptronic)
Gear ratios	I	:1	4.110 (4.714)	4.110 (4.714)	4.110 (4.714)
deal ratios	<u>'</u>	:	2.248 (3.143)	2.248 (3.143)	2.248 (3.143)
		 :1	1.403 (2.106)	1.403 (2.106)	1.403 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)	1.000 (1.667)
	V	:1	0.802 (1.285)	0.802 (1.285)	0.802 (1.285)
	VI	:1	0.659 (1.000)	0.659 (1.000)	0.659 (1.000)
	VII	:1	- (0.839)	- (0.839)	- (0.839)
	VIII	:1	- (0.667)	- (0.667)	- (0.667)
	R	:1	3.727 (3.295)	3.727 (3.295)	3.727 (3.295)
Final drive		:1	3.231 (2.929)	3.077 (2.929)	3.462 (2.929)
Performano	:e				
Power-to-we		kg/kW	15.4 (15.5)	12.0 (12.1)	10.3 (10.3)
Output per lit	<u> </u>	kW	52.6	67.7	80.2
Acceleration	0–100 km/h	sec	9.7 (9.6)	8.1 (7.9)	7.0 (6.9)
	0–1000 m	sec	31.1 (31.0)	28.8 (28.8)	27.5 (27.5)
in 4th gear	80–120 km/h	sec	7.9 / 9.9 (–)	7.5 / 9.8 (–)	5.7 / 7.2 (–)
Top speed		km/h	214 (212)	234 (231)	248 (243)
BMW Efficie	entDynamics				
BMW Efficier standard feat	,			anual gearbox models), EC c models), intelligent lightw	O PRO mode with reight construction, etric Power Steering
F 10	mption EU ³⁾				
		oc. Q Ly 17 who	eels, 225/55 R17 tyres (2K1)		
Urban	u wheels and tyre	ltr/100 km	5.4 (5.3)	5.4 (5.2)	5.9 (5.6)
Extra-urban		ltr/100 km	4.0 (4.1)	4.0 (4.1)	4.3 (4.1)
Combined		ltr/100 km	4.5 (4.5)	4.5 (4.5)	4.9 (4.7)
CO ₂		g/km	119 (119)	119 (119)	129 (123
	wheels and 245		and with winter tyres (2HM, 2k	· ,	123 (120)
Urban	wildels and 243/	1tr/100 km	5.6 (5.5)	5.6 (5.5)	6.1 (5.8)
Extra-urban		ltr/100 km	4.2 (4.3)	4.2 (4.3)	4.5 (4.3)
Combined		ltr/100 km	4.7 (4.7)	4.7 (4.7)	5.1 (4,9)

CO₂ g/km With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear (2AH, 2DC, 2NC) With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear (2K3, 2WC, 2MZ, 2ND) With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear (2H9)

124 (124)

124 (124)

134 (128)

Urban	ltr/100 km	5.8 (5.7)	5.8 (5.7)	6.3 (6.0)
Extra-urban	ltr/100 km	4.4 (4.4)	4.4 (4.5)	4.7 (4.5)
Combined	ltr/100 km	4.9 (4.9)	4.9 (4.9)	5.3 (5.0)
CO ₂	g/km	129 (129)	129 (129)	139 (133)
Emission rating		EU6	EU6	EU6

Insurance Category			
(Germany)			
KH / VK / TK	4)	4)	4)

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models

All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 530d Sedan, BMW 535d Sedan.

		BMW 530d	BMW 535d
D. d.			
Body		4/5	4/5
No of doors/seats Length/width/height ¹⁾ (unladen)	20.00	4907 / 1860 / 1464	4907 / 1860 / 1464
Wheelbase	mm mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	12.0	12.0
Tank capacity	app ltr	70	70
Cooling system incl heater	Itr	8.0	8.0
Engine oil ²⁾	ltr	7.2	6.2
Weight, unladen, to DIN/EU	kg	1710 / 1785	1735 / 1810
Max load to DIN	kg	610	610
Max permissible	kg	2320	2345
Max axle load, front/rear	kg	1100 / 1290	1100 / 1310
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked	J		
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.26 x 2.35	0.26 x 2.35
Engine Config/No of aviolation		Straight air / A	Ctraight air I A
Config/No of cyls/valves		Straight-six / 4 BMW TwinPower Turbo	Straight-six / 4 BMW TwinPower Turbo
Engine technology		technology with variable-	technology with multi-stage
		geometry turbocharger,	variable-geometry
		Common Rail direct	high-pressure
		injection with solenoid	turbocharger, Common Rail
		valve injectors (max.	direct injection with piezo
		injection pressure:	injectors (max. injection
0 1 1		1800 bar)	pressure: 2000 bar)
Capacity, effective	CC	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	190 / 258	230 / 313
at	rpm	4000	4400
Max torque	Nm	1500 3000	630
at	rpm	1500-3000	1500-2500
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	AW	180 / 2520	220 / 3080
7 WEST IGEST	, , , ,		
Driving Dynamics and Safety	•		
Suspension, front			axle with separate lower track arm level, aluminium,
			all steering roll radius, anti-dive
Suspension, rear		•	e, aluminium, with steering function, anti-squat and
Brakes, front			dive, double acoustic separation um swing-calliper disc brakes in frame structure
Diameter	mm	348 x 30 / inner-vented	5 -
Brakes, rear	111111		-piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	
Driving stability systems	111111		and DTC Dynamic Traction Control, CBC Cornering
Driving stability systems		Brake Control, DBC Dyr	namic Brake Control, Dry Braking function, Fading Start-Off Assistant; optional: Adaptive Drive
Safety equipment		and front passenger, h inertia-reel belts on all se	driver and front passenger, side airbags for driver nead airbags for front and rear seats, three-point eats with belt stopper, belt tightener and belt force h-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering			wer Steering (EPS) with Servotronic; ional: Integral Active Steering
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy
·		3	

Transmission Type of gearbox				BMW 535d
			Eight-speed automatic wi	th Steptronic
Gear ratios	1	:1	4.714	4.714
deal fatios	1	:1	3.143	3.143
		:1	2.106	2.106
	IV	 :1	1.667	1.667
	V	:1	1,285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.317	3.317
Final drive		:1	2.471	2.647
Performance				
Power-to-weight ratio		kg/kW	9.0	7.5
Output per litre		kW	63.5	76.8
Acceleration 0–100	0 km/h	sec	5.8	5.3
0–10	000 m	sec	25.9	24.5
in 4th gear 80–12	0 km/h	sec	(–)	(–
Top speed		km/h	250 (250)	250
BMW EfficientDyna BMW EfficientDynami standard features		ECC on-de	Energy Regeneration with recuperation o PRO mode with coasting function, inte emand operation of ancillary units, air flag EPS), detachable a/c compressor, tyres	Iligent lightweight construction, o control, Electric Power Steering
Fuel Consumption I		Lv 17 whools	BMW BluePerformance 225/55 R17 tyres (2K1)	technology
Urban		100 km	6.0	6.2
Extra-urban		100 km	4.6	4.7
Combined		100 km	5.1	5.3
CO ₂	107	g/km	134	138
	nd 245/45 F		with winter tyres (2HM, 2K2, 931)	
Urban		100 km	6.2	6.5
Extra-urban		100 km	4.7	4.9
Combined		100 km	5.3	5,4
CO ₂		g/km	139	143
With 8J x 18 wheels a With 8.5J x 19 wheels	at front, 9J	18 at rear and x 19 at rear ar	245/45 R18 tyres at front, 275/40 R18 and 245/40 R19 tyres at front, 275/35 R19 and 245/35 R20 tyres at front, 275/30 R20	9 at rear (2K3, 2WC, 2MZ, 2ND)
Urban	<u> </u>	100 km	6.5	6.7
Extra-urban		100 km	4.9	5.1
Combined		100 km	5.5	5,6
CO ₂	1017	g/km	144	148
Emission rating		gnan	EU6	EU6
Insurance Category	,			
(Germany)	<u> </u>			
KH/VK/TK			4)	4

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

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BMW 528i xDrive Sedan, BMW 535i xDrive Sedan, BMW 550i xDrive Sedan.

		BMW 528i xDrive	BMW 535i xDrive	BMW 550i xDrive
Body				
No of doors/seats		4/5	4/5	4/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1464	4907 / 1860 / 1464	4907 / 1860 / 1464
Wheelbase	mm	2968	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141	141
Turning circle	m	12.1	12.1	12.1
Tank capacity	app ltr	70	70	70
Cooling system incl heater	ltr	9.3	10.2	11.4
Engine oil ²⁾	ltr	5.75	6.5	8.5
Weight, unladen, to DIN/EU	kg	1710 / 1785	1765 / 1840	1880 / 1955
Max load to DIN	kg	600	600	600
Max permissible	kg	2310	2365	2480
Max axle load, front/rear	kg	1100 / 1290	1170 / 1310	1250 / 1320
Max trailer load (12%),	kg	2000 / 750	2000 / 750	2000 / 750
braked/unbraked	J			
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90	100 / 90
Luggage comp capacity	ltr	520	520	520
Air resistance	Cd x A	0.26 x 2.35	0.27 x 2.35	0.29 x 2.35
Engine				
Config/No of cyls/valves		Straight-four / 4	Straight-six / 4	V90/8/4
Engine technology		BMW TwinPower Turbo		
		with Twin-Scroll	with Twin-Scroll	with two turbochargers,
		turbocharger, direct injection (High	turbocharger, direct injection (High	direct injection (High Precision Injection) and
		Precision Injection) and		fully variable valve control
			fully variable valve control	(VALVETRONIC)
		(VALVETRONIC)	(VALVETRONIC)	
Capacity, effective	CC	1997	2979	4395
Stroke / bore	mm	90.1 / 84.0	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10.0	10.2	10.0
Fuel grade		Min RON 91	Min RON 91	Min RON 91
Max output	kW/hp	180 / 245	225 / 306	350 / 450
at	rpm	5000 - 6500	5800 - 6000	5500 – 6000
Max torque	Nm	350	400	650
at	rpm	1250 – 4800	1200 – 5000	2000 – 4500
Flootiis of Contain				
Electrical System Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	210 / 2940	220 / 3080
Attenutor	7-000	17072000	21072310	22070000
Driving Dynamics and Safety	,			
Suspension, front			axle with separate lower tra	
			all steering roll radius, anti-	
Suspension, rear			ulti-arm axle, aluminium, ar dive, double acoustic separ	
Brakes, front			um swing-calliper disc brak	
Diameter	mm		348 x 36 / inner-vented	374 x 36 / inner-vented
Brakes, rear	1111111		-piston swing-calliper disc	
·	mm		345 x 24 / inner-vented	345 x 24 / inner-vented
Diameter Driving stability systems	mm	Standard: DSC incl ABS ar		
Driving stability systems			Brake Control (DBC), Dry 8	
			Assistant, linked to xDrive	
			agement (ICM); optional: Dy	
		· · · · · · · · · · · · · · · · · · ·	e (BMW 535i xDrive, BMW	<u> </u>
Safety equipment			driver and front passenger,	
			nead airbags for front and r	
			eats with belt stopper, belt h-activated headrests at th	
		annicer at the nont, clas	Tyre Defect Indicator	io ii oi ii, oi asi i sel isolis,
Steering		Hydraulic rack-a	nd-pinion power steering v	vith Servotronic
Steering transmission, overall	:1	17.9	17.9	17.9
Tyres, front/rear	• • • • • • • • • • • • • • • • • • • •	225/55 R17 97W	225/55 R17 97W	245/45 R18 96Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 18 light-alloy
		SS A 17 light alloy	SS A Tr light alloy	SS A TO light diloy

			BMW 528i xDrive	BMW 535i xDrive	BMW 550i xDrive
BMW Connec Comfort	tedDrive	Or	t: RMM Assist including	Enquiry Service, remote-o	control functions Poal-
Cornort				MW TeleServices, integrat	
Infotainment				incl Parkinfo, National Info	
			Streaming, 0	BMW Routes, Office Funct Online Update Music Track	s, Apps
Safety				s with Bending Lights, varia ntrol, High-Beam Assistant	
		back Visio	-up camera, Surround Vi on with detection of pers	iew including Side View an sons, Head-Up Display, Par function in combination w	d Top View, BMW Nigh king Assistant, collision
			Stop & Go, Lane Chang	ge Warning, Lane Departur on, Automatic/Enhanced E	e Warning, Speed Limit
			.,		
Transmission			Fight on	eed automatic with Steptro	ania
Type of gearbox Gear ratios	<u> </u>	:1	4.714	4.714	4.71
dear ratios	<u> </u>	:1	3.143	3.143	3.143
	III	:1	2.106	2.106	2.106
	IV	:1	1.667	1.667	1.667
	V	:1	1.285	1.285	1.28
	VI	:1	1.000	1.000	1.000
	VII	:1	0.839	0.839	0.839
	VIII	:1	0.667	0.667	0.667
	R	:1	3.295	3.295	3.317
Final drive		:1	3.231	3.077	2.81
Performance					
Power-to-weigh		kg/kW	9.5	7.8	5.7
Output per litre		kW	90.1	75.5	75.
Acceleration	0–100 km/h	sec	6.3	5.6	4.4
in 4th goor	0–1000 m	sec	26.6	25.6	23.3
in 4th gear Top speed	80–120 km/h	sec km/h	250	250	250
BMW Efficient		Brak	Energy Regeneration	with recuperation display, A	Auto Start Ston function
standard feature	,	EC on-d	O PRO mode with coas emand operation of anci tachable a/c compressor	ting function, intelligent lig llary units, air flap control, r r, efficiency-optimised rear res with reduced roll resist	htweight construction, map-controlled oil pump differential and power
	21		divider, ty	TOO WILLTOUGOOG TOILTOOIGE	
Fuel Consump With standard v	vheels and tyre				
BMW 528i xDri	ve, BMW 535i : ve: 8J x 18 whe	xDrive: 8J x 17 v eels and 245/45	vheels, 225/55 R17 tyre R18 tyres (2K2)	s (2K1)	
Urban		ltr/100 km	8.4	10.5	12.7
Extra-urban		ltr/100 km	5.2	5.9	7.1
LXII a-ui bai i		ltr/100 km	6.4	7.6	9.2
Combined				4.70	214
		g/km	149	178	۷۱۰
Combined CO ₂	neels and 245/4	g/km	149 with winter tyres (2HM,		214
Combined CO ₂	neels and 245/4	g/km			۷۱۰
Combined CO ₂ With 8J x 18 wh	neels and 245/4	g/km 45 R18 tyres and	with winter tyres (2HM,	2K2, 931)	
Combined CO ₂ With 8J x 18 wh Urban Extra-urban Combined	neels and 245/4	g/km 45 R18 tyres and ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6	2K2, 931) 10.8 6.1 7.8	٠. ٢
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2		g/km 45 R18 tyres and ltr/100 km ltr/100 km ltr/100 km g/km	with winter tyres (2HM, 8.7 5.4 6.6 154	2K2, 931) 10.8 6.1 7.8 183	
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8J x 18 wh	neels at front, 9 wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km ltr/100 km g/km U x 18 at rear an 9U x 19 at rear a	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (AH, 2DC, 2NC) 2K3, 2WC, 2MZ, 2ND)
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh	neels at front, 9 wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km J x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km J x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fr and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1)	
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban Extra-urban	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km U x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0 5.6	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1 6.3	AH, 2DC, 2NC) 2K3, 2WC, 2MZ, 2ND) 2H9) 13.0
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban Extra-urban Combined	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km J x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0 5.6 6.8	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1 6.3 8.1	AH, 2DC, 2NC) 2K3, 2WC, 2MZ, 2ND) 2H9) 13.0 7.2
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban Extra-urban Combined CO2	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km U x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0 5.6 6.8 159	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1 6.3 8.1 188	
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban Extra-urban Combined	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km J x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0 5.6 6.8	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1 6.3 8.1	
Combined CO2 With 8J x 18 wh Urban Extra-urban Combined CO2 With 8J x 18 wh With 8J x 18 wh With 8.5J x 19 wh With 8.5J x 20 wh Urban Extra-urban Combined CO2	neels at front, 9 wheels at front, wheels at front,	g/km 45 R18 tyres and ltr/100 km ltr/100 km g/km J x 18 at rear an 9J x 19 at rear a 9J x 20 at rear a ltr/100 km ltr/100 km	with winter tyres (2HM, 8.7 5.4 6.6 154 d 245/45 R18 tyres at fri and 245/40 R19 tyres at and 245/35 R20 tyres at 9.0 5.6 6.8 159	2K2, 931) 10.8 6.1 7.8 183 ont, 275/40 R18 at rear (2/front, 275/35 R19 at rear (front, 275/30 R20 at rear (11.1 6.3 8.1 188	AH, 2DC, 2NC) 2K3, 2WC, 2MZ, 2ND) 2H9) 13.0 7.2 9.3

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 520d xDrive Sedan, BMW 525d xDrive Sedan.

		BMW 520d xDrive	BMW 525d xDrive
Body			
No of doors/seats		4/5	4/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1464	4907 / 1860 / 1464
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	12.1	12.1
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	7.0	8.0
Engine oil ²⁾	ltr	5.2	5.2
Weight, unladen, to DIN/EU	kg	1730 / 1805	1765 / 1840
Max load to DIN	kg	600	600
Max permissible	kg	2330	2365
Max axle load, front/rear	kg	1170 / 1300	1170 / 1320
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.25 x 2.35	0.26 x 2.35
Engine			
Config/No of cyls/valves		R/4/4	Straight-four / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology: variable-	technology with variable-
		geometry turbocharger, Common Rail direct	geometry multi-stage
		injection with solenoid	high-pressure turbocharger, Common
		valve injectors (max.	Rail direct injection with
		injection pressure:	piezo injectors (max.
		1800 bar)	injection pressure:
			2000 bar)
Capacity, effective	CC	1995	1955
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	135 / 184	160 / 218
at	rpm	4000	4400
Max torque	Nm	380	450
at	rpm	1750	1500
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	220 / 3080
Driving Dynamics and Safety	,		
Suspension, front			axle with separate lower track arm level, aluminium,
Suspension, rear			Ill steering roll radius, anti-dive m axle, aluminium, anti-squat and anti-dive,
			double acoustic separation
Brakes, front			um swing-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented	348 x 30 / inner-vented
Brakes, rear			piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented
Driving stability systems	;	Control (CBC), Dynamic	nd Dynamic Traction Control (DTC), Cornering Brake Brake Control (DBC), Dry Braking function, Fading Assistant, linked to xDrive all-wheel-drive system in
			agement (ICM); optional: Dynamic Damper Control
Safety equipment			driver and front passenger, side airbags for driver
3		and front passenger, h	nead airbags for front and rear seats, three-point
			eats with belt stopper, belt tightener and belt force
		limiter at the front, cras	h-activated headrests at the front, crash sensors,
			Tyre Defect Indicator
Steering			nd-pinion power steering with Servotronic
Steering transmission, overall	:1	17.9	17.9
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		E	MW 520d xDrive	BMW 525d xDrive
Transmission	nn			
Type of gear			Eight-speed automatic v	with Stentronic
Gear ratios	I	:1	4.714	4.714
acai ratios	<u>'</u>	:1	3.143	3.143
		:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3,295	3.295
Final drive	П	:1	3.077	3.293
rinai unve		:1	3.077	3.077
Performano	:e			
Power-to-we	ight ratio	kg/kW	12.8	11.0
Output per lit	tre	kW	67.7	80.2
Acceleration	0–100 km/h	sec	8.1	7.0
	0-1000 m	sec	29.1	27.6
in 4th gear	80-120 km/h	sec	_	-
Top speed		km/h	228	240
BMW Efficie	entDynamics			
			reduced roll resistance, BMW Blue	Performance technology
Fuel consu				
With standard	d wheels and tyre	s: 8J x 17 wheels,	225/55 R17 tyres (2K1)	
Urban		ltr/100 km	5.7	5.8
Extra-urban		ltr/100 km	4.4	4.6
Combined		ltr/100 km	4.9	5.1
CO ₂		g/km	129	133
With 8J x 18	wheels and 245/4	45 R18 tyres and v	vith winter tyres (2HM, 2K2, 931)	
Urban		ltr/100 km	5.9	6.1
Extra-urban		ltr/100 km	4.6	4.8
Combined		ltr/100 km	5.1	5.3
CO ₂		g/km	134	138
With 8.5J x 1	9 wheels at front,	, 9J x 19 at rear an	245/45 R18 tyres at front, 275/40 R18 d 245/40 R19 tyres at front, 275/35 R	19 at rear (2K3, 2WC, 2MZ, 2ND)
	o wileels at HOFIL		r and 245/35 R20 tyres at front, 275/3	· · · · ·
Urban		ltr/100 km	6.2	6.3
Extra-urban		ltr/100 km	4.8	5.0
Combined		ltr/100 km	5.3	5.4 143
CO ₂		g/km	139	
Emission rati	ng		EU6	EU6
Insurance c	ategory			
(Germany)	go. y			
KH/VK/TK			4)	4

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW 530d xDrive Sedan, BMW 535d xDrive Sedan.

		BMW 530d xDrive	BMW 535d xDrive
Body			
No of doors/seats		4/5	4/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1464	4907 / 1860 / 1464
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	12.1	12.1
Tank capacity	app ltr	70	70
Cooling system incl heater	Itr	8.0	8.0
Engine oil ²⁾	ltr	6.7	6.2
Weight, unladen, to DIN/EU	kg	1810 / 1885	1840 / 1915
Max load to DIN	kg	600	600
Max permissible	kg	2410	2440
Max axle load, front/rear	kg	1190 / 1325	1200 / 1330
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked	Ng.	20007700	20007700
Max roofload/max towbar dwnl	kg	100 / 90	100/90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.26 x 2.35	0.26 x 2.35
<u>All resistance</u>	<u> </u>	0120 X 2100	0.23 X 2.03
Engine			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
Linguio tooriiiology		technology with variable-	technology with variable-
		geometry turbocharger,	geometry, high-pressure
		Common Rail direct	multi-stage turbocharging,
		injection with solenoid	Common Rail direct
		valve injectors (max. injection pressure:	injection with piezo injectors (max. injection
		1800 bar)	pressure: 2000 bar)
Capacity, effective	CC	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	190 / 258	230 / 313
at	rpm	4000	4400
Max torque	Nm	560	630
at	rpm	1500-3000	1500-2500
<u>ut</u>	тріті	1000 0000	1000 2000
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	AW	220 / 3080	220 / 3080
Attended	7000	22070000	2207 0000
Driving Dynamics and Safety	,		
Suspension, front		Double track control arm	axle with separate lower track arm level, aluminium,
Suspension, from			all steering roll radius, anti-dive
Suspension, rear			rm axle, aluminium, anti-squat and anti-dive,
, , , , ,		(double acoustic separation
Brakes, front		Single-piston alumini	um swing-calliper disc brakes in frame structure
Diameter	mm	348 x 30 / inner-vented	348 x 30 / inner-vented 348 x 36 / inner-vented
Brakes, rear		Single-	-piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented 345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl ABS ar	nd Dynamic Traction Control (DTC), Cornering Brake
			Brake Control (DBC), Dry Braking function, Fading
			Assistant, linked to xDrive all-wheel-drive system in
		integrated Chassis iviana	agement (ICM); optional: Dynamic Damper Control, Adaptive Drive
0.61		Ctandard, airbaga for s	driver and front passenger, side airbags for driver
Safety equipment			nead airbags for front and rear seats, three-point
			eats with belt stopper, belt tightener and belt force
			h-activated headrests at the front, crash sensors,
		·	Tyre Defect Indicator
Steering		Hydraulic rack-a	nd-pinion power steering with Servotronic
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy
<u> </u>		<u> </u>	

			BMW 530d xDrive	BMW 535d xDrive
Transmissio	n .			
Type of gearb			Eight-speed automati	c with Steptronic
Gear ratios	I	:1	4.714	4.714
404. 141.00	il i	:1	3.143	3.143
		:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.317	3.317
Final drive		:1	2.471	2.647
Performance		c= A A I	9.5	8.0
Power-to-wei	<u> </u>	kg/kW	9.5 63.5	76.8
Output per liti		kW	5.7	
Acceleration	0–100 km/h	sec	26.1	5.1 24.6
	0–1000 m	sec	20.1	24.0
in 4th gear	80–120 km/h	sec	- 250	-
Top speed		km/h	250	250
BMW Efficie	entDynamics			
		С	on-demand operation of ancillary unit ompressor, efficiency-optimised rear diff reduced roll resistance, BMW BI	erential and power divider, tyres with
Fuel Consur	nntion Ell ³⁾			
		es: 8.1 x 17 who	eels, 225/55 R17 tyres (2K1)	
Urban		ltr/100 km	6.4	6.8
Extra-urban		ltr/100 km	4.9	4.9
Combined		ltr/100 km	5.4	5.6
CO ₂		g/km	142	147
	wheels and 245		and with winter tyres (2HM, 2K2, 931)	
Urban		ltr/100 km	6.6	7.0
Extra-urban		ltr/100 km	5.0	5.1
Combined		ltr/100 km	5.6	5.8
CO ₂		g/km	147	152
With 8J x 18 v	wheels at front,	9J x 18 at rear	and 245/45 R18 tyres at front, 275/40 R	18 at rear (2AH, 2DC, 2NC)
			ar and 245/40 R19 tyres at front, 275/35	
With 8.5J x 20	O wheels at fron	t, 9J x 20 at the	e rear and 245/35 R20 tyres at front, 275	
Urban		ltr/100 km	6.8	7.2
Extra-urban		ltr/100 km	5.2	5.2
Combined		ltr/100 km	5.8	6.0
CO ₂		g/km	152	157
Emission ratir	ng		EU6	EU6
Incurance C	atogon,			
Insurance C (Germany)	ategory			
KH/VK/TK			4)	4

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

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BMW M550d xDrive Sedan.

		BMW M550d xDrive
Dadu		
Body No of deers/seets		A 11
No of doors/seats		4 / 5 4910 / 1860 / 145
Length/width/height ¹⁾ (unladen)	mm	2968
Wheelbase Track, front/rear	mm	1594 / 1599
Ground clearance	mm	139471398
Turning circle	mm	12.
Tank capacity	app ltr	7(
Cooling system incl heater	app iti Itr	12.6
Engine oil ²⁾	Itr	6.5
Weight, unladen, to DIN/EU	kg	1880 / 195
Max load to DIN	kg	580
Max permissible	kg	2460
Max axle load, front/rear	kg	1240 / 1130
Max trailer load (12%),	kg	
braked/unbraked	J	2000 / 750
Max roofload/max towbar dwnl	kg	100/90
Luggage comp capacity	ltr	520
Air resistance	Cd x A	0.30 x 2.35
Engine		
Config/No of cyls/valves		Straight-six / 4
Engine technology		M Performance TwinPower Turbo technology with three multi-stage variable-geometry turbochargers, Common Rail direct injection with piezo injectors (max. injection pressure 2200 bar
Capacity, effective	CC	2993
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel grade		Diese
Max output	kW/hp	280 / 381
at	rpm	4000 – 4400
Max torque	Nm	740
at	rpm	2000 – 3000
Electrical System		
Battery/installation	Ah/–	90 / luggage comp
Alternator	A/W	220 / 3080
Driving Dynamics and Safet	.,	
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium,
		M-specific damping and suspension tuning, small steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle, aluminium, double acoustic separation, M- specific damping and suspension tuning, anti-squat and anti-dive
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure
Diameter	mm	374 x 36 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes
Diameter	mm	345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); optional: Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, run-flat tyres, Tyre Defect Indicator
Steering		Hydraulic rack-and-pinion power steering with M-specific Servotronic
Steering transmission, overall	:1	17.9
Tyres, front/rear		245/40 R19 94Y RSC 275/35 R19 96Y RSC
Rims, front/rear		8.5J x 19 light-alloy
		9J x 19 light-alloy

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			BMW M550d xDrive
Transmission			
Type of gearbox			
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813
Performance			
Power-to-weight rat	tio	kg/kW	6.7
Output per litre		kW	93.6
Acceleration 0-	100 km/h	sec	4.7
0-	–1000 m	sec	23.7
in 4th gear 80-	120 km/h	sec	-
Top speed		km/h	250
BMW EfficientDy	namics		
BMW EfficientDyna standard features			Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, detachable a/c compressor, efficiency-optimised rear differential and power divider, tyres with reduced roll resistance, BMW BluePerformance technology
Fuel Consumptio	n FII		
Urban	0	ltr/100 km	7.5
Extra-urban		ltr/100 km	5.4
Combined		ltr/100 km	6.2
CO ₂		g/km	162
Emission rating		gritti	EU6
Insurance Catego (Germany)	ory		
KH / VK / TK			3,

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1465 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 520i Touring, BMW 528i Touring.

		BMW 520i Touring	BMW 528i Touring
Body			
No of doors/seats		5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626
Ground clearance	mm	141	14
Turning circle	m	12.0	12.0
Tank capacity	app ltr	70	70
Cooling system incl heater	app iti Itr	9.1 (9.3)	9.1 (9.3
Engine oil ²⁾	Itr	5.75	5.75
		1710 / 1785	1715 / 1790
Weight, unladen, to DIN/EU	kg	(1730 / 1805)	(1735 / 1810
Max load to DIN	kg	640	640
Max permissible	kg	2350 (2370)	2355 (2375
Max axle load, front/rear	kg	1070 / 1415	1070 / 1415
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked			
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	560–1670	560–1670
Air resistance	Cd x A	⁴⁾ x 2.35	⁴⁾ x 2.35
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
3 3,		with Twin-Scroll	with Twin-Scrol
		turbocharger,	turbocharger
		direct injection (High	_ direct injection (High
		Precision Injection) and	Precision Injection) and
		fully variable valve control	fully variable valve control
		(VALVETRONIC)	(VALVETRONIC)
Capacity, effective	CC	1997	1997
Stroke / bore	mm	90.1 / 84.0	90.1 / 84.0
Compression ratio	:1	10.0	10.0
Fuel grade		Min RON 91	Min RON 91
Max output	kW/hp	135 / 184	180 / 245
at	rpm	5000 – 6250	5000 – 6500
Max torque	Nm	270	350
at	rpm	1250 – 4500	1250 – 4800
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
Daisian Dansanian and Cafeb			
Driving Dynamics and Safety Suspension, front		Double track control arm	axle with separate lower track arm level, aluminium,
		sma	all steering roll radius, anti-dive
Suspension, rear			e, aluminium, with steering function, anti-squat and bustic separation, air suspension with automatic self-levelling
Dualiza frant		Cincella mistro di 111	
Brakes, front			um swing-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented	
Brakes, rear			-piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	
Driving stability systems		Brake Control, DBC Dyr	and DTC Dynamic Traction Control, CBC Cornering namic Brake Control, Dry Braking function, Fading Off Assistant; optional: Dynamic Damper Control
Safety equipment		Standard: airbags for c and front passenger, h inertia-reel belts on all se	driver and front passenger, side airbags for driver head airbags for front and rear seats, three-point eats with belt stopper, belt tightener and belt force sh-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering			wer Steering (EPS) with Servotronic; ional: Integral Active Steering
Steering transmission, overall	:1	17.1	17.1
Steering transmission, overall Tyres, front/rear	:1	17.1 225/55 R17 97W	17.1 225/55 R17 97Y

	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	Six-speed manual (optional: eight-spe 3.683 (4.714) 2.062 (3.143) 1.313 (2.106) 1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225)	3.683 (4.714 2.062 (3.143 1.313 (2.106 1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.839 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90.7 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function, ox models), ECO PRO mode with
	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	3.683 (4.714) 2.062 (3.143) 1.313 (2.106) 1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperations of the point indicator (on manual gearboars)	3.683 (4.714 2.062 (3.143 1.313 (2.106 1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.835 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247) Don display, Auto Start Stop function ox models), ECO PRO mode with
	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	3.683 (4.714) 2.062 (3.143) 1.313 (2.106) 1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperations of the point indicator (on manual gearboars)	3.683 (4.714 2.062 (3.143 1.313 (2.106 1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.835 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function ox models), ECO PRO mode with
	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	2.062 (3.143) 1.313 (2.106) 1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearboars)	2.062 (3.143 1.313 (2.106 1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.835 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function ox models), ECO PRO mode with
III IV V VI VII VIII R atio -100 km/h -000 m km -120 km/h	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	1.313 (2.106) 1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearboarshift point indicator (on manu	1.313 (2.106 1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.839 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function ox models), ECO PRO mode with
IV V VI VII VIII R atio -100 km/h 000 m km -120 km/h	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :	1.000 (1.667) 0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearboars)	1.000 (1.667 0.809 (1.285 0.677 (1.000 - (0.839 - (0.667 3.348 (3.295 3.909 (3.231) 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247)
V VI VII VIII R R eatio -100 km/h 000 m km -120 km/h	:1 :1 :1 :1 :1 :1 :1 :1 :1 :1 kg/kW kW sec sec sec km/h	0.809 (1.285) 0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearbors)	0.809 (1.285 0.677 (1.000 - (0.839 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function ox models), ECO PRO mode with
VI VII VIII R atio -100 km/h 000 m km -120 km/h	:1 :1 :1 :1 :1 :1 :1 :1 kg/kW kW sec sec sec km/h	0.677 (1.000) - (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearboars)	0.677 (1.000 - (0.839 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 pon display, Auto Start Stop function ox models), ECO PRO mode with
VII VIII R atio -100 km/h 000 m km -120 km/h	:1 :1 :1 :1 :1 :1 kg/kW kW sec sec sec km/h Brake gea coasti	- (0.839) - (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) e Energy Regeneration with recuperation arshift point indicator (on manual gearboars)	- (0.839 - (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247) on display, Auto Start Stop function ox models), ECO PRO mode with
VIII R atio -100 km/h 000 m km -120 km/h	i:1 i:1 i:1 i:1 kg/kW kW sec sec sec km/h Brake gea coasti	- (0.667) 3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Energy Regeneration with recuperations arshift point indicator (on manual gearbox	- (0.667 3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
R atio -100 km/h 000 m km -120 km/h	:1 :1 :1 kg/kW kW sec sec sec km/h	3.348 (3.295) 3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Energy Regeneration with recuperations are shift point indicator (on manual gearboard)	3.348 (3.295 3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
atio -100 km/h 000 m km -120 km/h	kg/kW kW sec sec sec km/h	3.909 (3.231) 12.7 (12.8) 67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) E Energy Regeneration with recuperation arrival point indicator (on manual gearboars)	3.909 (3.231 9.5 (9.6 90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247) on display, Auto Start Stop function ox models), ECO PRO mode with
-100 km/h 000 m km -120 km/h	kW sec sec sec km/h Brake gea coasti	67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Property Regeneration with recuperations arshift point indicator (on manual gearboars)	90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247) con display, Auto Start Stop function ox models), ECO PRO mode with
-100 km/h 000 m km -120 km/h	kW sec sec sec km/h Brake gea coasti	67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Property Regeneration with recuperations arshift point indicator (on manual gearboars)	90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
-100 km/h 000 m km -120 km/h	kW sec sec sec km/h Brake gea coasti	67.6 8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Property Regeneration with recuperations arshift point indicator (on manual gearboars)	90. 6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
000 m km -120 km/h ynamics	sec sec sec km/h	8.3 (8.3) 29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Property Regeneration with recuperations arshift point indicator (on manual gearboars)	6.4 (6.5 26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
000 m km -120 km/h ynamics	sec sec km/h	29.6 (29.7) 8.1 / 11.2 (-) 226 (225) Property Regeneration with recuperations arshift point indicator (on manual gearboars)	26.5 (26.6 6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
-120 km/h ynamics	sec km/h Brake gea coasti	8.1 / 11.2 (-) 226 (225) Energy Regeneration with recuperations arshift point indicator (on manual gearboars)	6.7 / 9.0 (- 248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
ynamics	km/h Brake gea	226 (225) Energy Regeneration with recuperations arshift point indicator (on manual gearboars)	248 (247 on display, Auto Start Stop function ox models), ECO PRO mode with
	Brake gea coasti	e Energy Regeneration with recuperations in the second sec	on display, Auto Start Stop function ox models), ECO PRO mode with
	gea coasti	arshift point indicator (on manual gearb	ox models), ECO PRO mode with
	der	mand operation of ancillary units, air fla (EPS), map-controlled oil pump, do tyres with reduced ro	etachable a/c compressor,
0)			
on EU ³⁾		005/55 D47 (01/4)	
		s, 225/55 R17 tyres (2K1)	0.040
	100 km	8.9 (8.6)	9.3 (8.0
		. ,	5.6 (5.0
ltr/		. ,	7.0 (6.1
		· /	162 (142
		2 1 1 1	
		. ,	9.6 (8.3
		. ,	5.7 (5.1
ltr/			7.2 (6.3
			167 (147
			2010
			9.9 (8.6
			5.9 (5.3
ltr/	100 km		7.4 (6.5
	g/km		172 (152
		EU6	EU
ory			
		45	
	ltr/ els and 245/45 ltr/ ltr/ ltr/ eels and 245/4(ltr/ etr/ etr/ etr/	Itr/100 km Itr/100 km Itr/100 km Itr/100 km g/km eels and 245/40 R19 tyres (2l Itr/100 km Itr/100 km Itr/100 km g/km	Itr/100 km 6.7 (6.3) g/km 157 (147) els and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2A Itr/100 km 9.2 (8.9) Itr/100 km 5.7 (5.2) Itr/100 km 7.0 (6.5) g/km 162 (152) eels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB) Itr/100 km 9.5 (9.1) Itr/100 km 5.8 (5.3) Itr/100 km 7.2 (6.7) g/km 167 (157) EU6

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models All technical data are provisional

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW 535i Touring, BMW 550i Touring.

		BMW 535i Touring	BMW 550i Touring
Body			
No of doors/seats		5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626
Ground clearance	mm	141	141
Turning circle	m	12.0	12.0
Tank capacity	app ltr	70	70
Cooling system incl heater	Itr	10.1 (10.2)	11.6
Engine oil ²⁾	ltr	6.5	9.0
Weight, unladen, to DIN/EU	kg	1770 / 1845 (1785 / 1860)	1925 / 2000
Max load to DIN	kg	650	630
Max permissible	kg	2420 (2435)	2555
Max axle load, front/rear	kg	1100 / 1400	1195 / 1420
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked	ı.g	20007700	20007700
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	560 – 1670	560 – 1670
Air resistance	Cd x A	⁴⁾ x 2.35	⁴⁾ x 2.35
All Tesistanee	OU XA	X 2.00	X 2.60
Engine			
Config/No of cyls/valves		Straight-six / 4	V90/8/4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
	c	technology with Twin- Scroll turbocharger, direct	with two turbochargers, direct injection (High
		injection (High Precision	Precision Injection) and
		njection) and fully variable	fully variable valve control
		valve control (VALVETRONIC)	(VALVETRONIC)
Capacity, effective	CC	2979	4395
Stroke / bore	mm	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10.2	10.0
Fuel grade	•••	Min RON 91	Min RON 91
Max output	kW/hp	225 / 306	350 / 450
at	rpm	5800 - 6000	5500 - 6000
Max torque	Nm	400	650
at	rpm	210 / 2940	210 / 2940
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	210 / 2940	220 / 3080
D.: 1. D			
Driving Dynamics and Safety Suspension, front		Double track control arm	axle with separate lower track arm level, aluminium,
		sma	all steering roll radius, anti-dive
Suspension, rear			e, aluminium, with steering function, anti-squat and ustic separation, air suspension with automatic self-levelling
Brakes, front		Single-piston aluminii	um swing-calliper disc brakes in frame structure
Diameter	mm	348 x 36 / inner-vented	374 x 36 / inner-vented
Brakes, rear			piston swing-calliper disc brakes
Diameter	mm	345 x 24 / inner-vented	345 x 24 / inner-vented
Driving stability systems			and DTC Dynamic Traction Control, CBC Cornering
Driving stability systems		Brake Control, DBC Dyr Compensation, Start-C	namic Brake Control, Dry Braking function, Fading Off Assistant; optional: Dynamic Damper Control, Adaptive Drive (BMW 535i)
Safety equipment		and front passenger, h inertia-reel belts on all se	driver and front passenger, side airbags for driver nead airbags for front and rear seats, three-point eats with belt stopper, belt tightener and belt force h-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering			wer Steering (EPS) with Servotronic; ional: Integral Active Steering
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97Y	245/45 R18 96Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 18 light-alloy
· · · · · · · · · · · · · · · · · · ·			

Transmissio			Civ apped manual	Fight apped automatic with
Type of gearb	OOX		Six-speed manual	Eight-speed automatic with
		(0	optional: eight-speed automatic with	Steptronic
			Steptronic)	
Gear ratios	1	:1	4.110 (4.714)	4.714
	II	:1	2.315 (3.143)	3.143
	III	:1	1.542 (2.106)	2.106
	IV	:1	1.179 (1.667)	1.667
	V	:1	1.000 (1.285)	1.285
	VI	:1	0.846 (1.000)	1.000
	VII	:1	- (0.839)	0.839
	VIII	:1	- (0.667)	0.667
	R	:1	3.727 (3.295)	3.317
Final drive		:1	3.231 (3.077)	2.647
Performance	e			
Power-to-wei	ght ratio	kg/kW	7.9 (7.9)	5.8
Output per litr	re	kW	75.5	75.1
Acceleration	0–100 km/h	sec	5.8 (5.8)	4.7
	0–1000 m	sec	25.3 (25.7)	23.5
in 4th gear	80-120 km/h	sec	6.1 / 7.3 (–)	_
Top speed		km/h	250 (250)	250
BMW Efficie	entDynamics			
BMW Efficien	,			peration display, Auto Start Stop function,
standard featu	ures			gearbox models), ECO PRO mode with
				s), intelligent lightweight construction, on- air flap control, Electric Power Steering
		ue		mp, detachable a/c compressor,
				ced roll resistance
Fuel Consur	nntion FU ³⁾			
	•	es: 8J x 17 wheel	s, 225/55 R17 tyres (2K1)	
Urban		ltr/100 km	11.2 (10.3)	12.3
Extra-urban		ltr/100 km	6.3 (5.8)	6.9
Combined		ltr/100 km	8.1 (7.5)	8.8
CO ₂		g/km	188 (174)	206
With 8J x 18 v	wheels and 245/	45 R18 tyres and	with winter tyres (2HM, 2K2, 2DI	D, 2AK, 2NA, 931)
Urban		ltr/100 km	11.5 (10.6)	-
Extra-urban		ltr/100 km	6.4 (6.0)	-
Combined		ltr/100 km	8.3 (7.7)	-
CO ₂		g/km	193 (179)	-
— - With 8,5J x 19	9 wheels and 24		2K4, 2WD, 2M3, 2NB)	
Urban		ltr/100 km	11.8 (10.9)	12.7
Extra-urban		ltr/100 km	6.6 (6.2)	7.1
0 1: 1			0.5 (7.0)	0.4

BMW 535i Touring

BMW 550i Touring

9.1

213

EU6

4)

Insurance Category	
(Germany)	
KH/VK/TK	4)

8.5 (7.9)

EU6

198 (184)

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models All technical data are provisional

Combined

Emission rating

CO₂

ltr/100 km

g/km

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 518d Touring, BMW 520d Touring, BMW 525d Touring.

		BMW 518d Touring	BMW 520d Touring	BMW 525d Touring
Body		F.1.F.	F / F	F / F
No of doors/seats		5/5	5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968	2968
Track, front/rear	mm	1600 / 1626 141	1600 / 1626 141	1600 / 1626
Ground clearance	mm		12.0	141
Turning circle	m	12.0 70	70	12.0 70
Tank capacity	app ltr	7.0	7.0	9.0
Cooling system incl heater Engine oil ²⁾	ltr	5.2	5.2	5.2
	ltr	1720 / 1795	1725 / 1800	1750 / 1825
Weight, unladen, to DIN/EU	kg	(1730 / 1805)	(1735 / 1810)	(1760 /1835)
Max load to DIN	kg	650	650	650
Max permissible	kg	2370 (2380)	2375 (2385)	2400 (2410)
Max axle load, front/rear	kg	1060 / 1420	1060 / 1420	1100 / 1410
Max trailer load (12%), braked/unbraked	kg	2000 / 750	1800 (2000) / 750	2000 / 750
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90	100 / 90
Luggage comp capacity	ltr	560 – 1670	560 – 1670	560 – 1670
Air resistance	Cd x A	⁴⁾ x 2.35	⁴⁾ x 2.35	⁴⁾ x 2.35
Engine				
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo	BMW TwinPower Turbo
g		technology with variable-	technology with variable-	technology with multi-
		geometry turbocharger,	geometry turbocharger,	stage variable-geometry
		Common Rail direct	Common Rail direct	high-pressure
		injection with solenoid	injection with solenoid valve injectors (max.	turobocharger, Common Rail direct injection with
		valve injectors (max. injection pressure:	injection pressure:	piezo injectors (max.
		1800 bar)	1800 bar)	injection pressure:
			,	2000 bar)
Capacity, effective	CC	1995	1995	1995
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel grade		Diesel	Diesel	Diesel
Max output	kW/hp	105 / 143	135 / 184	160 / 218
at	rpm	4000	4000	4400
Max torque	Nm	360	380	450
at	rpm	1750	1750	1500
Electrical System	• • •	00.//	00.11	00.//
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520	180 / 2520
<u></u>				
Driving Dynamics and Safety	<u>'</u>	Devilate transfer a sectoral area		and a second and a second a second
Suspension, front			axle with separate lower tra Ill steering roll radius, anti-c	
Suspension, rear			e, aluminium, with steering	
		anti-dive, double aco	ustic separation, air susper self-levelling	nsion with automatic
Droken front		Cinala niatan alumini	um swing-calliper disc brak	and in frame atrusture
Brakes, front Diameter	mm		330 x 24 / inner-vented	348 x 30 / inner-vented
	mm			
Brakes, rear	100.000		piston swing-calliper disc b	
Diameter	mm		330 x 20 / inner-vented and DTC Dynamic Traction	330 x 20 / inner-vented
Driving stability systems			namic Brake Control, Dry B	
			Off Assistant; optional: Dyn	
Safety equipment		<u> </u>	driver and front passenger,	<u> </u>
carety equipment			nead airbags for front and r	
			eats with belt stopper, belt	
		limiter at the front, cras	h-activated headrests at th	e front, crash sensors,
			Tyre Defect Indicator	
Steering			wer Steering (EPS) with Se	•
			ional: Integral Active Steeri	
Steering transmission, overall	:1	17.1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 17 light-alloy

			BMW 518d Touring	BMW 520d Touring	BMW 525d Touring
Transmissi	on				
Type of gear	box		Six-speed manual (or	otional: eight-speed automa	atic with Steptronic)
Gear ratios	I	:1	4.110 (4.714)	4.110 (4.714)	4.110 (4.714
	II	:1	2.248 (3.143)	2.248 (3.143)	2.248 (3.143
	III	:1	1.403 (2.106)	1.403 (2.106)	1.403 (2.106
	IV	:1	1.000 (1.667)	1.000 (1.667)	1.000 (1.667
	V	:1	0.802 (1.285)	0.802 (1.285)	0.802 (1.285
	VI	:1	0.659 (1.000)	0.659 (1.000)	0.659 (1.000
	VII	:1	- (0.839)	- (0.839)	- (0.839
	VIII	:1	- (0.667)	- (0.667)	- (0.667
	R	:1	3.727 (3.295)	3.727 (3.295)	3.727 (3.295
Final drive		:1	3.385 (3.077)	3.462 (3.077)	3.462 (2.929
Performano	:e				
Power-to-we		kg/kW	16.4 (16.5)	12.8 (12.9)	10.9 (11.0
Output per lit		kW	52.6	67.7	80.2
Acceleration	0–100 km/h	sec	10.1 (10.0)	8.3 (8.2)	7.2 (7.1
	0–1000 m	sec	31.7 (31.6)	29.3 (29.4)	27.9 (27.9
in 4th gear	80–120 km/h	sec	8.2 / 10.2 (–)	7.1 / 9.1 (–)	6.1 / 7.7 (–
Top speed		km/h	206 (205)	227 (224)	240 (237
BMW Efficien		Br	ake Energy Regeneration	n with recuperation display.	Auto Start Stop function.
BMW Efficier	ntDynamics,	со	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cor	n with recuperation display, on manual gearbox models natic models), intelligent ligh illary units, air flap control, mpressor, tyres with reduce uePerformance technology), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficier standard feat	ntDynamics, tures	со	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cor	on manual gearbox models natic models), intelligent ligl cillary units, air flap control, l mpressor, tyres with reduce), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficient standard feat	ntDynamics, tures mption EU ³⁾	со	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cor Bl	on manual gearbox models natic models), intelligent ligh illary units, air flap control, I mpressor, tyres with reduce uePerformance technology), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficier standard feat feat Fuel Consu With standard	ntDynamics, tures mption EU³⁾ d wheels and tyre	co s: 8J x 17 who	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cor Bl eels, 225/55 R17 tyres (2	on manual gearbox models natic models), intelligent ligh lillary units, air flap control, mpressor, tyres with reduce uePerformance technology), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficier standard feat Fuel Consu With standard Urban	ntDynamics, tures mption EU ³⁾ d wheels and tyre	s: 8J x 17 who ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cor Bl eels, 225/55 R17 tyres (2 5,8 (5,7)	on manual gearbox models natic models), intelligent light intelligent light intelligent light intelligent with reduce use Performance technology. (K1) 5,8 (5,7)), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficier standard feat Fuel Consu With standar Urban Extra-urban	ntDynamics, tures mption EU ³⁾ d wheels and tyre	s: 8J x 17 who ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cores Blacks, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)	on manual gearbox models natic models), intelligent light intelligent light intelligent light intelligent light intelligent light intelligent with reduce the control of th), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW
BMW Efficier standard feat Fuel Consu With standar Urban Extra-urban Combined	ntDynamics, tures mption EU ³⁾ d wheels and tyre	s: 8J x 17 wh ltr/100 km ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of anc (EPS), detachable a/c cor Bl seels, 225/55 R17 tyres (2 5,8 (5,7) 4,3 (4,4) 4,8 (4,9)	on manual gearbox models natic models), intelligent light light intelligent light intelligent light in), ECO PRO mode with ntweight construction, on- Electric Power Steering ed roll resistance, BMW // 6,2 (5,8 4,6 (4,4 5,2 (4,9
Fuel Consu With standard Urban Extra-urban Combined CO2	ntDynamics, tures mption EU ³⁾ d wheels and tyre	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km g/km	gearshift point indicator (asting function (on autom demand operation of anc (EPS), detachable a/c cor Bl seels, 225/55 R17 tyres (2 5,8 (5,7) 4,3 (4,4) 4,8 (4,9) 127 (129)	on manual gearbox models natic models), intelligent light light intelligent light light intelligent li), ECO PRO mode with ntweight construction, on- Electric Power Steering and roll resistance, BMW (1) (6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129
Fuel Consu With standard Urban Extra-urban Combined CO2 With 8J x 18	mption EU ³⁾ d wheels and tyre	s: 8J x 17 wh ltr/100 km ltr/100 km ltr/100 km g/km 45 R18 tyres a	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (2 5,8 (5,7) 4,3 (4,4) 4,8 (4,9) 127 (129) and with winter tyres (2HI	on manual gearbox models natic models, intelligent light intelligent light cillary units, air flap control, Impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93), ECO PRO mode with natweight construction, on- Electric Power Steering and roll resistance, BMW (1) (6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 131)))
Fuel Consu With standard Extra-urban Combined CO2 With 8J x 18 Urban	mption EU ³⁾ d wheels and tyre	s: 8J x 17 whi ltr/100 km ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (2 5,8 (5,7) 4,3 (4,4) 4,8 (4,9) 127 (129) and with winter tyres (2HI 6.0 (6.0)	on manual gearbox models natic models, intelligent light impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9)), ECO PRO mode with ntweight construction, on- Electric Power Steering and roll resistance, BMW (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Fuel Consu With standard Urban Extra-urban Combined CO ₂ With 8J x 18 Urban Extra-urban	mption EU ³⁾ d wheels and tyre	s: 8J x 17 whi ltr/100 km ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129) and with winter tyres (2HI 6.0 (6.0)4.5 (4.6)	on manual gearbox models natic models, intelligent light impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4,6 (4.6)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 31)
Fuel Consu With standard Extra-urban Combined CO2 With 8J x 18 Urban Extra-urban Combined CO2 CO2 CO3 CO4 CO4 CO4 CO5	mption EU ³⁾ d wheels and tyre	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129) and with winter tyres (2HI 6.0 (6.0)4.5 (4.6)5.0 (5.1)	on manual gearbox models natic models, intelligent light intelligent light control, I mpressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 131) 6.4 (6.1 4.7 (4.6 5.4 (5.1
Fuel Consu With standard Combined CO2 With 8J x 18 Urban Extra-urban Combined CO2 With 8J c 18 Urban Extra-urban Combined CO2 CO2 CO3	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129) and with winter tyres (2HI 6.0 (6.0)4.5 (4.6)5.0 (5.1)132 (134)	on manual gearbox models natic models, intelligent light intelligent light control, I mpressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 131) 6.4 (6.1 4.7 (4.6 5.4 (5.1
Fuel Consu With standard Combined CO2 With 8J x 18 Urban Extra-urban Combined CO2 With 8J x 18 Urban Extra-urban Combined CO4 With 8J x 18 Urban Extra-urban Combined CO2 With 8J x 18	mption EU ³⁾ d wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyres	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129) and with winter tyres (2HI 6.0 (6.0)4.5 (4.6)5.0 (5.1)132 (134) s (2K4, 2WD, 2M3, 2NB)	on manual gearbox models natic models, intelligent light intellige	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 31) 6.4 (6.1 4.7 (4.6 5.4 (5.1 141 (134
Fuel Consu With standard Urban Extra-urban Combined CO ₂ With 8J x 18 Urban Extra-urban Combined CO ₂ With 8J x 18 Urban Urban Extra-urban Combined CO ₂ With 8,5J x 1	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c con Bl seels, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129) and with winter tyres (2HI 6.0 (6.0)4.5 (4.6)5.0 (5.1)132 (134) s (2K4, 2WD, 2M3, 2NB)6.2 (6.2)	on manual gearbox models natic models, intelligent light intellige	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 31) 6.4 (6.1 4.7 (4.6 5.4 (5.1 141 (134
Fuel Consu With standard Urban Extra-urban Combined CO ₂ With 8J x 18 Urban Extra-urban Combined CO ₂ With 8J x 18 Urban Urban Extra-urban Combined CO ₂ With 8,5J x 1 Urban Extra-urban	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c core Blacks, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129)127 (129)130 and with winter tyres (2Hlacks)6.0 (6.0)4.5 (4.6)5.0 (5.1)132 (134)5 (2K4, 2WD, 2M3, 2NB)6.2 (6.2)4.6 (4.8)	on manual gearbox models natic models), intelligent ligh illary units, air flap control, impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1) 134 (134) 6.3 (6.1) 4.7 (4.8)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (129 31) 6.4 (6.1 4.7 (4.6 5.4 (5.1 4.1 (134 6.6 (6.3 4.9 (4.7)
Fuel Consu With standard Urban Extra-urban Combined CO2 With 8J x 18 Urban Combined CO2 With 8,5J x 1 Urban Extra-urban Combined CO2 With 8,5J x 1 Urban Extra-urban Combined	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km ltr/100 km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cores (EPS), detachable a/c (4.9) (4.8 (4.9) (4.9) (4.5 (4.6) (4.6) (4.6) (4.6) (4.6) (4.6) (4.6) (4.8) (4.6) (4.8) (5.2 (5.3)	on manual gearbox models natic models), intelligent ligh lillary units, air flap control, impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1) 134 (134) 6.3 (6.1) 4.7 (4.8) 5.3 (5.3)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (13.4 (1.3 4) 14.1 (13.4 (1.3 4) 1.3 (1.3 4) 1.
Fuel Consu With standard Urban Extra-urban Combined CO2 With 8,5J x 1 Urban Extra-urban Combined CO2 With 8,5J x 1 Urban Extra-urban	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km g/km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c core Blacks, 225/55 R17 tyres (25,8 (5,7)4,3 (4,4)4,8 (4,9)127 (129)127 (129)130 and with winter tyres (2Hlacks)6.0 (6.0)4.5 (4.6)5.0 (5.1)132 (134)5 (2K4, 2WD, 2M3, 2NB)6.2 (6.2)4.6 (4.8)	on manual gearbox models natic models), intelligent ligh illary units, air flap control, impressor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1) 134 (134) 6.3 (6.1) 4.7 (4.8)	6,2 (5,8 4,6 (4,4 5,2 (4,9 136 (139 141 (134 149 (139 149 149 149 149 149 149 149 149 149 14
Fuel Consu With standard Combined CO2 With 8J x 18 Urban Extra-urban Combined CO02 With 8,5J x 1 Urban Extra-urban Combined CO1 CO2 With 8,5J x 1 Urban Extra-urban Combined CO2 Extra-urban Combined CO2 Extra-urban Combined	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km ltr/100 km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cores (EPS), detachable a/c (4,9) (4,8) (4,9) (4,8) (4,9) (4,5) (4,6) (5.0) (5.1) (5.0) (5.1) (5.2) (134) (6.2) (6.2) (4.6) (4.8) (5.2) (5.3) (137) (139)	on manual gearbox models natic models), intelligent light models, intelligent light models, intelligent light general processor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1) 134 (134) 6.3 (6.1) 4.7 (4.8) 5.3 (5.3) 139 (139)	6,2 (5,8) 4,6 (4,4) 5,2 (4,9) 136 (129) 31) 6.4 (6.1) 4.7 (4.6) 5.4 (5.1) 141 (134) 6.6 (6.3) 4.9 (4.7) 5.6 (5.3) 146 (139)
Fuel Consu With standard Urban Extra-urban Combined CO2 With 8J x 18 Urban Combined CO2 With 8,5J x 1 Urban Extra-urban Combined CO2 With 8,5J x 1 Urban Extra-urban Combined CO2	mption EU ³⁾ d wheels and tyre wheels and 245/4	s: 8J x 17 who ltr/100 km ltr/100 km ltr/100 km ltr/100 km 45 R18 tyres a ltr/100 km ltr/100 km g/km 5/40 R19 tyre: ltr/100 km ltr/100 km ltr/100 km	gearshift point indicator (asting function (on autom demand operation of and (EPS), detachable a/c cores (EPS), detachable a/c (4,9) (4,8) (4,9) (4,8) (4,9) (4,5) (4,6) (5.0) (5.1) (5.0) (5.1) (5.2) (134) (6.2) (6.2) (4.6) (4.8) (5.2) (5.3) (137) (139)	on manual gearbox models natic models), intelligent light models, intelligent light models, intelligent light general processor, tyres with reduce uePerformance technology (K1) 5,8 (5,7) 4,4 (4,5) 4,9 (4,9) 129 (129) M, 2K2, 2DD, 2AK, 2NA, 93 6.1 (5.9) 4.6 (4.6) 5.1 (5.1) 134 (134) 6.3 (6.1) 4.7 (4.8) 5.3 (5.3) 139 (139)), ECO PRO mode with natweight construction, on- Electric Power Steering and roll resistance, BMW 6,2 (5,8) 4,6 (4,4) 5,2 (4,9) 136 (129)

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models

All technical data are provisional

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW 530d Touring, BMW 535d Touring.

		BMW 530d Touring	BMW 535d Touring
Podu			
Body No of decret		5/5	5/5
No of doors/seats Length/width/height ¹⁾ (unladen)		4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968
	mm	1600 / 1626	1600 / 1626
Track, front/rear Ground clearance	mm	141	141
Turning circle	mm	12.0	12.0
	onn ltr	70	70
Tank capacity Cooling system incl heater	app ltr ltr	8.0	8.0
Engine oil ²⁾	Itr	7.2	7.2
Weight, unladen, to DIN/EU	kg	1820 / 1895	1850 / 1925
Max load to DIN	kg	650	650
Max permissible	kg	2470	2500
Max axle load, front/rear	kg	1125 / 1400	1140 / 1415
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked	ινg	20007700	20001700
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	 Itr	560-1670	560-1670
Air resistance	C _d x A	⁴⁾ x 2.35	⁴⁾ x 2.35
	- 3 (
Engine			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		Variable-geometry	BMW TwinPower Turbo
go tooo.ogy		turbocharger, Common	technology with multi-
		Rail direct injection with	stage variable-geometry
		piezo injectors (max.	high-pressure
		pressure: 1800 bar)	turbocharger, Common Rail direct injection with
			piezo injection with
			injection pressure
			2000 bar)
Capacity, effective	CC	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	180 / 245	220 / 300
at	rpm	4000	4400
Max torque	Nm	560	600
at	rpm	1750-3000	1750
Electrical System			
Battery/installation	Ah/–	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
Driving Dynamics and Safety	,		
Suspension, front			axle with separate lower track arm level, aluminium,
Suspension, rear		Double track control arm	all steering roll radius, anti-dive axle with separate lower track arm level, aluminium,
			anti-dive, air suspension with automatic self-levelling
Brakes, front			um swing-calliper disc brakes in frame structure
Diameter	mm	348 x 30 / inner-vented	348 x 36 / inner-vented
Brakes, rear		Single-	piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	345 x 24 / inner-vented
Driving stability systems			and DTC Dynamic Traction Control, CBC Cornering
			namic Brake Control, Dry Braking function, Fading Start-Off Assistant; optional: Adaptive Drive
Safety equipment		<u> </u>	driver and front passenger, side airbags for driver
carety equipment			nead airbags for front and rear seats, three-point
			eats with belt stopper, belt tightener and belt force
		limiter at the front, cras	h-activated headrests at the front, crash sensors,
			Tyre Defect Indicator
Steering			wer Steering (EPS) with Servotronic;
		opti	ional: Integral Active Steering
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMV	/ 530d Touring	BMW 535d Touring
Transmission				
Type of gearbox			Eight-speed automatic	with Steptronic
Gear ratios	1		4.714	4.714
deal fatios	<u> </u>		3.143	3.143
	<u></u>		2.106	2.106
	IV		1.667	1.667
	V		1.285	1.285
	VI		1,000	1.000
	VII		0.839	0.839
	VIII		0.667	0.667
	R		3.317	3.317
Final drive			2.471	2.647
Performance				
Power-to-weight ratio	o	kg/kW	9.6	8.0
Output per litre		kW/hp	63.5	76.8
	00 km/h	sec	5.9	5.4
	1000 m	sec	26,2	24.8
	20 km/h	sec		
Top speed		km/h	250	250
BMW EfficientDynamics BMW EfficientDynamics, standard features		ECO P on-dema	RO mode with coasting function, in	ap control, Electric Power Steering s with reduced roll resistance,
Fuel Consumption	EU ³⁾			
With standard tyres:		'. tvres 225/55 F	R17	
Urban		00 km	6.2	6.5
Extra-urban	ltr/1	00 km	4.7	4.9
Combined	ltr/1	00 km	5.3	5.5
CO ₂		g/km	139	144
With 8J x 18 wheels	and 245/45 R		er tyres	
Urban	ltr/1	00 km	6.5	6.7
Extra-urban	ltr/1	00 km	4.9	5.1
Combined	ltr/1	00 km	5.5	5.7
CO ₂		g/km	144	149
With 8.5J x 19 wheel	s and 245/40			
 Urban	1/10	00 km	6.7	7.0
Extra-urban		00 km	5.1	5.2
Combined		00 km	5.7	5.9
CO ₂		g/km	149	154
Emission rating			EU6	EU6
Insurance Categor (Germany)	у			
(definally)			4)	

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

KH / VK / TK

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 528i xDrive Touring, BMW 535i xDrive Touring.

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		BMW 528i xDrive Touring	BMW 535i xDrive Touring
Dadu			
Body No of doors/seats		5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase		2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626
Ground clearance	mm	141	141
Turning circle	m	12.1	12.1
Tank capacity	app	70	70
Cooling system incl heater	ltr	9.3	10.1
Engine oil ²⁾	ltr	5,75	6,5
Weight, unladen, to DIN/EU	kg	1815 / 1890	1865 / 1940
Max load to DIN	kg	640	640
Max permissible	kg	2455	2505
Max axle load, front/rear	kg	1100 / 1420	1140 / 1415
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked	···9		
Max roofload/max towbar dwnl	kg	100 / 90	100/90
Luggage comp capacity	ltr	560–1670	560–1670
Air resistance	Cd	⁴⁾ x 2.35	⁴⁾ x 2.35
7 III TOOLOGA TOO			
Engine		Chroinlet form 1.4	Camatanka at 4
Config/No of cyls/valves		Straight-four / 4 BMW TwinPower Turbo with	Straight-six / 4 BMW TwinPower Turbo with
Engine technology		Twin-Scroll turbocharger,	Twin-Scroll turbocharger.
		direct injection (High Precision	direct injection (High Precision
		Injection) and fully variable	Injection) and fully variable
		valve control (VALVETRONIC)	valve control (VALVETRONIC)
Capacity, effective	СС	1997	2979
Stroke / bore	mm	90.1 / 84.0	89.6 / 84.0
Compression ratio	:1	10.0	10.2
Fuel grade		Min RON 91	Min RON 91
Max output	kW/	180 / 245	225 / 306
at	rpm	5000–6500	5800 – 6000
Max torque	Nm	350	400
at	rpm	1250–4800	1200 – 5000
Electrical System			
Battery/installation	Ah/	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	210 / 2940
Driving Dynamics and Safet	.,		
Suspension, front	<u>y</u>	Double track control arm axle v	with separate lower track arm level, aluminium, small
			ering roll radius, anti-dive
Suspension, rear			axle, aluminium, anti-squat and anti-dive, eparation, air suspension with automatic
			self-levelling
Brakes, front			swing-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented	348 x 36 / inner-vented
Brakes, rear			ston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	345 x 24 / inner-vented
Driving stability systems			Dynamic Traction Control (DTC), Cornering Brake
		Compensation, Start-Off As Integrated Chassis Manage	ake Control (DBC), Dry Braking function, Fading sistant, linked to xDrive all-wheel-drive system in sement (ICM); optional: Dynamic Damper Control, we Drive (BMW 535i xDrive)
Safety equipment		Standard: airbags for driv and front passenger, hea inertia-reel belts on all seats wit the front, crash-active	ver and front passenger, side airbags for driver ad airbags for front and rear seats, three-point th belt stopper, belt tightener and belt force limiter at ated headrests at the front, crash sensors, Tyre Defect Indicator
Steering		Hydraulic rack-and	-pinion power steering with Servotronic
Steering transmission, overall	:1	17.9	17.9
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMW 528	xDrive Touring	BMW 535i xDrive Touring
Transmissio				
Type of gearb			Eight-speed automati	a with Stantrania
Gear ratios	l I	:1	4.714	C With Steptronic 4.714
Gear ratios	<u> </u> 	:1	3.143	3.143
		:1	2.106	2.106
	III V	:1 :1	1.667	1.667
	V	:1 :1	1.285	1.285
			1.000	1.000
	VI	:1	0.839	0.839
	VII VIII	<u>:1</u> :1	0.667	0.639
	VIII R		3.295	3.295
Circal alaina	K	:1 :1	3.231	3.233
Final drive		:1	3.231	3.231
Performance	9			
Power-to-weig		kg/kW	10.1	8.3
Output per litr	е	kW	90.1	75.5
Acceleration	0–100 km/h	sec	6.6	5.7
	0–1000 m	sec	27.0	25.9
in 4th gear	80-120 km/h	sec	_	_
Top speed		km/h	244	250
BMW Efficie	ntDynamics			tion display, Auto Start Stop function,
BMW Efficient standard featu	,	ECO P on-dema	RO mode with coasting function, nd operation of ancillary units, air	intelligent lightweight construction, flap control, map-controlled oil pump, ptimised rear differential and power
Fuel Consun	nption EU ³⁾			
		es: 8J x 17 wheels, 2	25/55 R17 tyres (2K1)	
Urban		ltr/100 km	8.4	11.1
Extra-urban		ltr/100 km	5.2	6.3
Combined		ltr/100 km	6.4	8.1
CO ₂		g/km	149	188
	wheels and 245		h winter tyres (2HM, 2K2, 2DD, 2	
Urban		ltr/100 km	8.7	11.4
Extra-urban		ltr/100 km	5.4	6.5
Combined		ltr/100 km	6,6	8.3
CO ₂		g/km	154	193
	wheels and 24	5/40 R19 tyres (2K4,		
Urban	Whoolo and E i	ltr/100 km	9.0	11.7
Extra-urban		ltr/100 km	5.6	6.6
Combined		ltr/100 km	6.8	8.5
CO ₂		g/km	159	198
Emission ratin	g	gridii	EU6	EU6
	<u> </u>			

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

KH / VK / TK

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{4)}$ Data not yet available

BMW 520d xDrive Touring, BMW 525d xDrive Touring.

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		BMW 520d xDrive Touring	BMW 525d xDrive Touring
Body			
No of doors/seats		5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626
Ground clearance	mm	141	141
Turning circle	m	12.1	12.1
Tank capacity	app ltr	70	70
Cooling system incl heater Engine oil ²⁾	ltr	7.0 5.2	7.0 5.2
Weight, unladen, to DIN/EU	ltr	1840 / 1915	5.2 1870 / 1945
Max load to DIN	kg	620	610
	kg		
Max permissible	kg	2460	2480
Max axle load, front/rear	kg	1170 / 1420 2000 / 750	1170 / 1420 2000 / 750
Max trailer load (12%), braked/unbraked	kg		
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	560 – 1670	560 – 1670
Air resistance	Cd x A	⁴⁾ x 2.35	⁴⁾ x 2.35
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology with variable-	technology with variable-
		geometry turbocharger, Common Rail direct injection	geometry multi-stage high- pressure turbocharger,
		with solenoid valve injection	Common Rail direct injection
		(max. injection pressure:	with piezo injectors (max.
		1800 bar)	injection pressure: 2000 bar)
Capacity, effective	CC	1995	1955
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	135 / 184	160 / 218
at	rpm	4000	4400
Max torque	Nm	380	450
at	rpm	1750	1500
Electrical System			
Battery/installation	Ah/–	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
Driving Dynamics and Safety	,		
Suspension, front			n separate lower track arm level, aluminium, ng roll radius, anti-dive
Suspension, rear		double acoustic separati	aluminium, anti-squat and anti-dive, ion, air suspension with automatic
Droken front			elf-levelling
Brakes, front			g-calliper disc brakes in frame structure 348 x 30 / inner-vented
Diameter Brakes, rear	mm	330 x 24 / inner-vented	
Diameter	mm	330 x 20 / inner-vented	wing-calliper disc brakes 330 x 20 / inner-vented
	mm		
Driving stability systems	,	Control (CBC), Dynamic Brake Compensation, Start-Off Assistan	nic Traction Control (DTC), Cornering Brake ontrol (DBC), Dry Braking function, Fading it, linked to xDrive all-wheel-drive system in (ICM); optional: Dynamic Damper Control
Safety equipment		and front passenger, head airb inertia-reel belts on all seats with limiter at the front, crash-activat	d front passenger, side airbags for driver lags for front and rear seats, three-point belt stopper, belt tightener and belt force led headrests at the front, crash sensors, Defect Indicator
Steering		Hydraulic rack-and-pinio	n power steering with Servotronic
Steering transmission, overall	:1	17.9	17.9
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMW 5	20d xDrive Touring	BMW 525d xDrive Touring
Transmission				
Type of gearbox			Fight-speed auto	omatic with Steptronic
Gear ratios	1	:1	4.714	4.714
	1	:1	3.143	3.143
		:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1,285	1.285
	VI	:1	1.000	1,000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.295	3.295
Final drive		:1	3.077	3.077
Performance				
Power-to-weight ra	itio	kg/kW	13.6	11.7
Output per litre		kW	67.7	80.2
Acceleration 0-	100 km/h	sec	8.4	7.3
)–1000 m	sec	29.9	28.2
in 4th gear 80-	120 km/h	sec	_	-
Top speed		km/h	218	231
BMW EfficientDyna standard features	amics,		CO PRO mode with coasting fund	uperation display, Auto Start Stop function, ction, intelligent lightweight construction, y units, air flap control, detachable a/c
	amics,		CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis	ction, intelligent lightweight construction,
	,		CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider,
standard features Fuel Consumptio	on EU ³⁾	E	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider,
standard features Fuel Consumptio With standard whee Urban	o n EU³⁾ els and tyres: It	8J x 17 whee r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology
Fuel Consumptio With standard whee Urban Extra-urban	o n EU³⁾ els and tyres: It It	8J x 17 whee r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2
Fuel Consumptio With standard whee Urban Extra-urban Combined	o n EU³⁾ els and tyres: It It	8J x 17 whee r/100 km r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9
Fuel Consumptio With standard whee Urban Extra-urban Combined CO2	on EU³⁾ els and tyres: It It	8J x 17 whee r/100 km r/100 km r/100 km g/km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4
Fuel Consumption With standard whee Urban Extra-urban Combined CO2 With 8J x 18 wheel	on EU³⁾ els and tyres: It It It	8J x 17 whee r/100 km r/100 km r/100 km g/km 5 R18 tyres an	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 Ind with winter tyres (2HM, 2K2, 2la)	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931)
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban	on EU ³⁾ els and tyres: It It s and 245/45	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 2L) 6.4	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931)
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban	on EU ³⁾ els and tyres: It It It s and 245/45	8J x 17 whee r/100 km r/100 km r/100 km g/km 5 R18 tyres an r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 2B) 6.4 4.9	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931) 6.5
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 CO2 CO3 CO4 CO4 CO5	on EU ³⁾ els and tyres: It It It s and 245/45	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 2H 6.4 4.9 5.4	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931) 6.5
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 CO2 CO3 CO3 CO3 CO3 CO4 CO4 CO4 CO5	on EU ³⁾ els and tyres: It It It s and 245/45	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 2H 6.4 4.9 5.4 143	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931) 6.5
Fuel Consumption With standard wheel Urban Extra-urban Combined CO ₂ With 8J x 18 wheel Urban Extra-urban Combined CO ₂ With 8J x 19 wheel With 8,5J x 19 wheel	on EU ³⁾ els and tyres: It It It s and 245/45 It It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km r/100 km g/km 40 R19 tyres (CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 Id with winter tyres (2HM, 2K2, 2I) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB)	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 142 DD, 2AK, 2NA, 931) 6.5 5.1
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8J x 19 wheel Urban	on EU ³⁾ els and tyres: It It It s and 245/45 It It It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km r/100 km g/km 40 R19 tyres (r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 eld with winter tyres (2HM, 2K2, 2l) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 DD, 2AK, 2NA, 931) 6.5 5.1 5.6 147
Fuel Consumptio With standard wheel Urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8J x 19 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined	on EU ³⁾ els and tyres: It It It s and 245/45 It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km g/km 40 R19 tyres (r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 21) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6 5.1	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 142 DD, 2AK, 2NA, 931) 6.5 5.1 5.6 147
Fuel Consumptio With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined Cod	on EU ³⁾ els and tyres: It It It s and 245/45 It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km g/km 40 R19 tyres (r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 21) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6 5.1 5.6	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 142 DD, 2AK, 2NA, 931) 6.5 5.1 5.6 147
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined CO2	on EU ³⁾ els and tyres: It It It s and 245/45 It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km g/km 40 R19 tyres (r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 21) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6 5.1	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 142 DD, 2AK, 2NA, 931) 6.5 5.6 147 6.7 5.8
Fuel Consumptio With standard whee Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 whe Urban Extra-urban Combined CO2 Emission rating	on EU ³⁾ els and tyres: It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km g/km 40 R19 tyres (r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 21) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6 5.1 5.6 148	y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4
Fuel Consumption With standard wheel Urban Extra-urban Combined CO2 With 8J x 18 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban Combined CO2	on EU ³⁾ els and tyres: It	8J x 17 whee r/100 km r/100 km r/100 km g/km 6 R18 tyres an r/100 km r/100 km g/km 40 R19 tyres (r/100 km r/100 km	CO PRO mode with coasting fun- on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance els, 225/55 R17 tyres (2K1) 6.1 4.7 5.2 138 and with winter tyres (2HM, 2K2, 21) 6.4 4.9 5.4 143 (2K4, 2WD, 2M3, 2NB) 6.6 5.1 5.6 148	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 6.2 4.9 5.4 142 DD, 2AK, 2NA, 931) 6.5 5.1 5.6 6.7 5.3 5.8

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1475 mm
 Oil change
 Fuel consumption and CO₂ emissions depend on the selected tyre format
 Data not yet available

BMW 530d xDrive Touring, BMW 535d xDrive Touring.

		BMW 530d xDrive Touring	BMW 535d xDrive Touring
Body			
No of doors/seats		5/5	5/5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626
Ground clearance	mm	141	141
Turning circle	m	12.1	12.1
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	8.0	8.0
Engine oil ²⁾	ltr	7.2	7.2
Weight, unladen, to DIN/EU	kg	1920 / 1995	1950 / 2025
Max load to DIN	kg	610	600
Max permissible	kg	2530	2550
Max axle load, front/rear	kg	1160 / 1420	1200 / 1420
Max trailer load (12%),	kg	2000 / 750	2000 / 750
braked/unbraked			
Max roofload/max towbar dwnl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	560 – 1670	560 – 1670
Air resistance	Cd x	⁴⁾ x 2.35	⁴⁾ x 2.35
Engine			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology with variable-geometry	technology with multi-stage
		turbocharger, Common Rail direct injection with solenoid valve	variable-geometry high-pressure turbocharger, Common Rail direct
		injection with solehold valve	injection with piezo injectors (max.
		1800 bar)	injection pressure: 2000 bar)
Capacity, effective	CC	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	190 / 258	230 / 313
at	rpm	4000	4400
Max torque	Nm	560	630
at	rpm	1500-3000	1500-2500
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	220 / 3080	220 / 3080
Driving Dynamics and Safety			
Suspension, front			eparate lower track arm level, aluminium, small
			oll radius, anti-dive
Suspension, rear			aluminium, anti-squat and anti-dive,
			ion, air suspension with automatic elf-levelling
Brakes, front			g-calliper disc brakes in frame structure
Diameter	mm	348 x 30 / inner-vented	348 x 36 / inner-vented
Brakes, rear		Single-piston s	wing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented	345 x 24 / inner-vented
Driving stability systems			mic Traction Control (DTC), Cornering Brake
g		Control (CBC), Dynamic Brake Co	ontrol (DBC), Dry Braking function, Fading
			t, linked to xDrive all-wheel-drive system in
			ssis Management (ICM);
Cofety and demonstrate		<u></u>	amper Control, Adaptive Drive
Safety equipment			d front passenger, side airbags for driver pags for front and rear seats, three-point
			It stopper, belt tightener and belt force limiter
			headrests at the front, crash sensors,
		*	Defect Indicator
		. ,	
Steering			n power steering with Servotronic
Steering Steering transmission, overall	:1		n power steering with Servotronic 17.9 17.9
	:1	Hydraulic rack-and-pinio	· · · · · · · · · · · · · · · · · · ·

		BMW 53	0d xDrive Touring	BMW 535d xDrive Touring
Transmission				
Type of gearbox			Fight-speed auto	omatic with Steptronic
Gear ratios	1	:1	4.714	4.714
		:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.295	3.317
Final drive		:1	2.471	2.647
Performance				
Power-to-weight ration	0	kg/kW	10.1	8.5
Output per litre		kW	63.5	76.8
Acceleration 0–10	00 km/h	sec	5.9	5.3
0-1	000 m	sec	26.5	25.0
in 4th gear 80–1:	20 km/h	sec	_	-
Top speed		km/h	248	250
standard features			on-demand operation of ancillar	ction, intelligent lightweight construction, y units, air flap control, detachable a/c
standard features	E11 ³⁾		on-demand operation of ancillar compressor, efficiency-optimis	
Fuel consumption		1	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider,
Fuel consumption With standard wheels	s and tyres:	1 8J x 17 wheels	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance s, 225/55 R17 tyres (2K1)	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology
Fuel consumption With standard wheels Urban	s and tyres: Iti	8J x 17 wheels r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistance s, 225/55 R17 tyres (2K1) 6.7	ction, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology
Fuel consumption With standard wheels Urban Extra-urban	s and tyres: Iti Iti	8J x 17 wheels r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimistyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1	otion, intelligent lightweight construction, y units, air flap control, detachable a/c ed rear differential and power divider, e, BMW BluePerformance technology 7.1
Fuel consumption With standard wheels Urban Extra-urban Combined	s and tyres: Iti Iti	8J x 17 wheels r/100 km r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimistyres with reduced roll resistance s, 225/55 R17 tyres (2K1) 6.7 5.1 5.7	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂	s and tyres: tr tr tr	8J x 17 wheels r/100 km r/100 km r/100 km g/km	on-demand operation of ancillar compressor, efficiency-optimistyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels	s and tyres: Iti Iti Iti and 245/45	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and	on-demand operation of ancillar compressor, efficiency-optimistyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2016)	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9 DD, 2AK, 2NA, 931)
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban	s and tyres: Iti Iti Iti and 245/45	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2E) 6.9	ction, intelligent lightweight construction, y units, air flap control, detachable alc ed rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9 DD, 2AK, 2NA, 931) 7.3
Fuel consumption With standard wheels Urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban	s and tyres: Iti Iti Iti and 245/45 Iti	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2E) 6.9 5.2	ction, intelligent lightweight construction, y units, air flap control, detachable alcoed rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9 154 DD, 2AK, 2NA, 931) 7.3 5.3
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined	s and tyres: Iti Iti Iti and 245/45 Iti	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2E) 6.9	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined CO ₂	s and tyres: lti lti lti and 245/45 lti lti	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2I) 6.9 5.2 5.9 154	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9 DD, 2AK, 2NA, 931) 7.3 6.0
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined CO ₂ With 8J x 19 wheel	s and tyres: lti lti lti and 245/45 lti lti lti	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km g/km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2E) 6.9 5.2 5.9 154 K4, 2WD, 2M3, 2NB)	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e., BMW BluePerformance technology 7.1 5.2 5.9 154 DD, 2AK, 2NA, 931) 7.3 6.0 159
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined CO ₂	s and tyres: lti lti lti and 245/45 lti lti lti lti lti lti	8J x 17 wheels r/100 km r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 2I) 6.9 5.2 5.9 154	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e., BMW BluePerformance technology 7.1 5.2 5.9 DD, 2AK, 2NA, 931) 7.3 6.0 159
Fuel consumption With standard wheels Urban Extra-urban Combined CO2 With 8J x 18 wheels Urban Extra-urban Combined CO2 With 8,5J x 19 wheel	s and tyres: lti lti lti and 245/45 lti	8J x 17 wheels r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km g/km 40 R19 tyres (2 r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 20) 6.9 5.2 5.9 154 k4, 2WD, 2M3, 2NB) 7.1	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e., BMW BluePerformance technology 7.1 5.2 5.9 154 DD, 2AK, 2NA, 931) 7.3 5.3 6.0 159
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined CO ₂ With 8,5J x 19 wheel Urban Extra-urban Combined CO ₂	s and tyres: lti lti lti and 245/45 lti	8J x 17 wheels r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km r/100 km r/100 km g/km 40 R19 tyres (2 r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 20) 6.9 5.2 5.9 154 k4, 2WD, 2M3, 2NB) 7.1 5.4	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e., BMW BluePerformance technology 7.1 5.2 5.9 154 DD, 2AK, 2NA, 931) 7.3 5.3 6.0 159
Fuel consumption With standard wheels Urban Extra-urban Combined CO2 With 8J x 18 wheels Urban Extra-urban Combined CO2 With 8,5J x 19 wheel Urban Extra-urban	s and tyres: lti lti lti and 245/45 lti	8J x 17 wheels r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km r/100 km r/100 km g/km 40 R19 tyres (2 r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 20) 6.9 5.2 5.9 154 6K4, 2WD, 2M3, 2NB) 7.1 5.4 6.0	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e., BMW BluePerformance technology 7.1 5.2 5.9 154 DD, 2AK, 2NA, 931) 7.3 5.3 6.0 159 7.6 6.1
Fuel consumption With standard wheels Urban Extra-urban Combined CO ₂ With 8J x 18 wheels Urban Extra-urban Combined CO ₂ With 8,5J x 19 wheel Urban Extra-urban Combined CO ₂ Urban Extra-urban Combined CO ₂	s and tyres: Iti Iti Iti and 245/45 Iti	8J x 17 wheels r/100 km r/100 km g/km R18 tyres and r/100 km r/100 km r/100 km r/100 km r/100 km g/km 40 R19 tyres (2 r/100 km r/100 km	on-demand operation of ancillar compressor, efficiency-optimis tyres with reduced roll resistances, 225/55 R17 tyres (2K1) 6.7 5.1 5.7 149 with winter tyres (2HM, 2K2, 20) 6.9 5.2 5.9 154 6.4 6.0 159	ction, intelligent lightweight construction, y units, air flap control, detachable alced rear differential and power divider, e, BMW BluePerformance technology 7.1 5.2 5.9 DD, 2AK, 2NA, 931) 7.3 6.0

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1488 mm
 Oil change
 Data not yet available

BMW M550d xDrive Touring.

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		BMW M550d xDrive Touring
Pody		
Body		E II
No of doors/seats		5/3
Length/width/height ¹⁾ (unladen)	mm	4910 / 1860 / 1462
Wheelbase	mm	2960
Track, front/rear	mm	1600 / 1620
Ground clearance	mm	14
Turning circle	m	12.
Tank capacity	app ltr	70
Cooling system incl heater	ltr	12.0
Engine oil ²⁾	ltr	6.
Weight, unladen, to DIN/EU	kg	1990 / 206
Max load to DIN	kg	58
Max permissible	kg	2570
Max axle load, front/rear	kg	1240 / 145
Max trailer load (12%),	kg	
braked/unbraked	3	2000 / 750
Max roofload/max towbar dwnl	kg	100 / 90
Luggage comp capacity	ltr	560 – 1670
Air resistance	Cd x A	⁴⁾ x 2.35
	OU AM	۸ ۵.۰۰
Engine		
Config/No of cyls/valves		Straight-six / 4
Engine technology		M Performance TwinPower Turbo technology
Engine technology		with three multi-stage variable-geometr
		turbochargers, Common Rail direct injection with
		piezo injectors (max. injection pressure
		2200 bar
Capacity, effective	CC	2993
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel grade		Diese
Max output	kW/hp	280 / 38′
at	rpm	4000 – 4400
Max torque	Nm	740
at	rpm	2000 – 3000
ut	тріті	2000 0000
Electrical System		
Battery/installation	Ah/-	QO / luggaga comm
Alternator	A/W	90 / luggage comp 220 / 3080
Alternator	AVVV	220 / 3000
Daisia Damania 1 Cafat		
Driving Dynamics and Safety		D. H. L. L. L. L. L. L. M. L.
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, M-specific damping and suspension tuning, small steering roll radius, anti-dive
C		Integral-V multi-arm axle, aluminium, double acoustic separation. M-
Suspension, rear		specific damping and suspension tuning, anti-squat and anti-dive, air
		suspension with automatic self-levelling
Drakas front		
Brakes, front	200.000	Single-piston aluminium swing-calliper disc brakes in frame structure 374 x 36 / inner-vented
Diameter Broken room	mm	
Brakes, rear		Single-piston swing-calliper disc brakes
Diameter	mm	345 x 24 / inner-vented
Driving stability systems	,	Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake
		Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in
		Integrated Chassis Management (ICM); optional: Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver
Salety equipment		and front passenger, head airbags for front and rear seats, three-point
		inertia-reel belts on all seats with belt tightener and belt force limiter at the
		front, crash-activated headrests at the front, crash sensors, run-flat tyres,
		Tyre Defect Indicator
Steering		Hydraulic rack-and-pinion power steering
5		with M-specific Servotronic
Steering transmission, overall	:1	17.9
Tyres, front/rear		245/40 R19 98Y RSC

			BMW M550d xDrive Touring
Transmissio			
Type of gearb	oox		
Gear ratios	<u> </u>	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813
Performance	e		
Power-to-wei	ght ratio	kg/kW	7.1
Output per litr	re	kW	93,6
Acceleration	0–100 km/h	sec	4.9
	1000 metres	sec	24.1
in 4th gear	80-120 km/h	sec	-
Top speed		km/h	250
BMW Efficie	entDynamics		
BMW Efficien	ntDynamics,		Brake Energy Regeneration with recuperation display, Auto Start Stop function,
standard featu	ures		ECO PRO mode with coasting function, intelligent lightweight construction,
			on-demand operation of ancillary units, air flap control, detachable a/c
			compressor, efficiency-optimised rear differential and power divider, tyres with
			reduced roll resistance, BMW BluePerformance technology
Fuel Consur	mption EU		
Urban		ltr/100 km	7.7
Extra-urban		ltr/100 km	5.5
Combined		ltr/100 km	6.3
CO ₂		g/km	166
Emission ratin	ng		EU6
Insurance C	ategory		
(Germany) KH / VK / TK			3)
NH/VK/IK			

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) All technical data are provisional

Height with roof aerial: 1488 mm
 Oil change
 Data not yet available

BMW 535i Gran Turismo, BMW 550i Gran Turismo.

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		BMW 535i Gran Turismo	BMW 550i Gran Turismo
Body			
No of doors/seats		4/5	4/5
Length/width/height 1) (unladen)	mm	5004 / 1901 / 1559	5004 / 1901 / 1559
Wheelbase	mm	3070	3070
Track, front/rear	mm	1611 / 1654	1621 / 1636
Ground clearance	mm	145	145
Turning circle	m	12.2	12.2
Tank capacity	app ltr	70	70
Cooling system incl heater	Itr	9.3	14.4
Engine oil 2)	ltr	6.5	9.0
Weight, unladen, to DIN/EU	kg	1940 / 2015	2070 / 2145
Max load to DIN	kg	630	600
Max permissible	kg	2570	2670
Max axle load, front/rear	kg	1165 / 1490	1245 / 1500
Max trailer load (12%), braked/unbraked	kg	2100 / 750	2100 / 750
Max roofload/max towbar downl	kg	75 / 100	75 / 100
Luggage comp capacity	ltr	500 – 1700	500 – 1700
Air resistance	Cd x A	0.30 x 2.57	0.31 x 2.57
Engine			
Config/No of cyls/valves		Straight-six / 4	V8 / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology with Twin-Scroll turbocharger, direct injection	technology with two turbochargers, direct injection
		(High Precision Injection) and	(High Precision Injection) and
		fully variable valve control	fully variable valve control
		(VALVETRONIC)	(VALVETRONIC)
Capacity, effective	CC	2979	4395
Stroke / bore	mm	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10.2	10.0
Fuel		Min RON 91	Min RON 91
Max output	kW/hp	235 / 306	330 / 450
at	rpm	5800 – 6000	5500 – 6000
Max torque	Nm	400	650
at	rpm	1200–5000	2000-4500
Electrical System			
Battery/location	Ah/–	90 / luggage comp	105 / luggage comp
Alternator	A/W	210 / 2940	210 / 2940
Driving Dynamics and Safety			
Suspension, front	Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive		
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling		
Brakes, front			ating-calliper disc brakes
Brakes, rear			ating-calliper disc brakes
Driving stability systems			nic Traction Control (DTC), Cornering Brake
Driving stability systems		Control (CBC), Dynamic Brak Compensation, Start-Off Assist	e Control (DBC), Dry Braking, Fading ant; optional: Dynamic Damper Control, aptive Drive
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags at the rear on the outer seats, three-point inertia-reel belts on all seats, belt stoppers and belt latch tensioners at the front, crash sensors, Tyre Defect Indicator		
Steering			ring (EPS) with Servotronic;
Steering transmission, overall	:1	19.1	19.1
Tyres, front/rear		245/50 R18 100Y RSC	245/45 R19 98Y RSC/ 275/40 R 19 101Y RSC
Rims, front/rear		8J x 18 light-alloy	8.5J x 19 light-alloy/

			BMW 535i Gran Turismo	BMW 550i Gran Turismo
Transmission				
Type of transmis	ssion		Eight-speed automatic transmi	ssion with Steptronic function
Gear ratios	I	:1	4.714	4.714
	II	:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.317	3.317
Final drive		:1	3.077	2.813
Performance				
Power-to-weigh	t ratio (DIN)	kg/kW	8.6	6.3
Output per litre		kW	75.5	75.1
Acceleration	0–100 km/h	sec	6.1	5.0
	0-1000 m	sec	26.2	23.5
Top speed		km/h	250	250
BMW Efficient	Dynamics			
BMW EfficientD			Brake Energy Regeneration with recupe	ration display, Auto Start Stop function.
standard feature			gearshift point indicator (on manual ge coasting function (on automatic models on-demand operation of and Electric Power Steering (EPS), map- compressor, tyres with	s), intelligent lightweight construction, cillary units, air flap control, controlled oil pump, detachable a/c
Fuel Consump	otion EU			
Urban		Itr/100 km	11.2	12.4
Extra-urban		ltr/100 km	6.5	7.3
Combined		ltr/100 km	8.2	9.2
		g/km	192	214
CO ₂			EU6	EU6
CO ₂ Emission rating				Lot
	egory			Loc

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight), All technichal data are provisional

Height with roof fin: 1564 mm
 Oil change
 Data not yet available

BMW 520d Gran Turismo.

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		BMW 520d Gran Turismo
Body		
No of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5004 / 1901 / 1559
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1654
Ground clearance	mm	145
Turning circle	m	12.2
Tank capacity	app ltr	70
Cooling system incl heater	ltr	8.4
Engine oil 2)	ltr	5.2
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN	kg	630
Max permissible	kg	2545
Max axle load, front/rear	kg	1090 / 1500
Max trailer load (12%), braked/unbraked	kg	2100 / 750
Max roofload/max towbar downl	kg	75 / 100
Luggage comp capacity	ltr	500 – 1700
Air resistance	Cd x A	0.29 x 2.57
Engine		
Config/No of cyls/valves		Straight-four / 4
Engine technology		BMW TwinPower Turbo
		technology: Turbocharger
		with variable intake geometry, Common Rail direct injection
		with solenoid valve injectors
		(max. injection pressure:
		1800 bar)
Capacity, effective	CC	1995
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	135 / 184
at	rpm	4000
Max torque	Nm	380
at	rpm	1750
Electrical System		
Battery/location	Ah/–	105 / luggage comp
Alternator	A/W	180 / 2520
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive
0		
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with
		automatic self-levelling
Brakes, front		Single-piston floating-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering
Driving stability systems		Brake Control, DBC Dynamic Brake Control, Dry Braking, Fading Compensation, Start-Off Assistant, optional: Dynamic Damper Control
Safety equipment	ξ	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags at the rear on the outer seats, three-point inertia-reel seat belts on all seats, belt limiters and belt latch tensioners at the front, crash sensors, Tyre Defect Indicator
Steering		Electric Power Steering (EPS) with Servotronic;
		optional: Integral Active Steering
Steering transmission, overall	:1	19.1
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

		BMW 520d Gran Turismo
Transmission		
Type of transmission		Eight-speed automatic transmission with Steptronic
Gear ratios I	:1	4.714
II	:1	3.143
III	:1	2.106
IV	:1	1.667
V	:1	1.285
VI	:1	1.000
VII	:1	0.839
VIII	:1	0.667
R	:1	3.295
Final drive	:1	3.077
Performance		
Power-to-weight ratio (DIN)	kg/kW	14.2
Output per litre	kW	67.7
Acceleration 0–100 km/h	sec	8.9
0–1000 m	sec	
Top speed	km/h	215
BMW EfficientDynamics		
BMW EfficientDynamics		Brake Energy Regeneration with recuperation display, Auto Start Stop function,
standard features		ECO PRO mode with coasting function, intelligent lightweight construction,
		on-demand operation of ancillary units, air flap control,
		Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced
		roll resistance, BMW BluePerformance technology
Fuel Consumption EU		
Urban	ltr/100 km	6.2
Extra-urban	ltr/100 km	5.0
Combined	ltr/100 km	5.5
CO ₂	g/km	144
Emission rating		EU6
Insurance category		
(Germany)		3
KH/VK/TK		· · · · · · · · · · · · · · · · · · ·

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight), All technichal data are provisional

Height with roof fin: 1564 mm
 Oil change
 Data not yet available

BMW 530d Gran Turismo, BMW 535d Gran Turismo.

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		BMW 530d Gran Turismo	BMW 535d Gran Turismo
D. J			
Body			
No of doors/seats Length/width/height 1) (unladen)	100.000	5004 / 1901 / 1559	5004 / 1901 / 1559 5004 / 1901 / 1559
Wheelbase	mm	3070	30047190171338
Track, front/rear	mm	1611 / 1654	1611 / 1654
Ground clearance	mm	145	145
	mm	12.2	143
Turning circle	m opp ltr	70	70
Tank capacity Cooling system incl heater	app ltr	8.8	8.9
Engine oil 2)	ltr ltr	6.5	6.5
Weight, unladen, to DIN/EU		1940 / 2015	1970 / 2045
Max load to DIN	kg kg	630	630
Max permissible		2570	2600
Max axle load, front/rear	kg kg	1150 / 1500	1170 / 1500
Max trailer load (12%),		2100 / 750	2100 / 750
braked/unbraked	kg		
Max roofload/max towbar downl	kg	75 / 100	75 / 100
Luggage comp capacity	ltr	500 – 1700	500 – 1700
Air resistance	Cd x A	0.29 x 2.57	0.30 x 2.57
Engine			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology: variable-intake	technology: multi-stage
		turbocharger, Common Rail direct injection with solenoid	variable-geometry high- pressure turbocharger
		valve injectors (max. injection	Common Rail direct injection
		pressure: 1800 bar)	with piezo injectors (max
		procedurer rece barry	injection pressure: 2000 bar)
Capacity, effective	CC	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diese
Max output	kW/hp	190 / 258	230 / 313
at	rpm	4000	4400
Max torque	Nm	560	630
at	rpm	1500	1500
Electrical System			
Battery/location	Ah/-	105 / luggage comp	105 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
Driving Dynamics and Safety			
Suspension, front			with separate lower track arm level, aluminium,
Company and			ering roll radius, anti-dive
Suspension, rear		anti-dive, double acc	minium, with steering function, anti-squat and bustic separation, air suspension with community self-levelling
Dunling from			
Brakes, front		<u></u>	n floating-calliper disc brakes
Brakes, rear			floating -calliper disc brakes
Driving stability systems	Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking, Fading Compensation, Start-Off Assistant, optional: Adaptive Drive incl Dynamic Damper Control and Dynamic Drive anti-roll stability management		
Safety equipment	ķ	passenger, head airbags at the seat belts on all seats, belt limit	front passenger, side airbags for driver and front rear on the outer seats, three-point inertia-reel ters and belt latch tensioners at the front, crash s, Tyre Defect Indicator
Steering			Steering (EPS) with Servotronic; Integral Active Steering
Steering transmission, overall	:1	19.1	19.1
Tyres, front/rear	•••	245/50 R18 100Y RSC	245/50 R18 100Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy
· ·····o, ironorou		SO X TO light alloy	30 x 10 light-diloy

			BMW 530d Gran Turismo	BMW 535d Gran Turismo
Transmission				
Type of transm	-		Eight-speed automatic trar	esmission with Stantronic
Gear ratios		:1	4.714	4.714
Gear ratios		:1	3.143	3.143
	<u>"</u> 		2.106	2.106
	IV	:1	1.667	1,667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.317	3.317
Final drive		:1	2,563	2.647
- Indi drive			2.300	2.047
Performance				
Power-to-weight	<u> </u>	kg/kW	10.2	8.6
Output per litre	!	kW	63.5	76.8
Acceleration	0–100 km/h	sec	6.2	5.7
	0–1000 m	sec	26.5	25.5
Top speed		km/h	246	250
BMW Efficien	tDvnamics			
BMW Efficient[Brake Energy Regeneration with recuper	ration display, Auto Start Stop function,
standard featur	es		ECO PRO mode with coasting function	
			on-demand operation of and	
			Electric Power Steering (EPS), detachab	
			roll resistance, BMW Blue	Performance technology
Fuel Consum	ption EU			
Urban		ltr/100 km	6.8	6.8
Extra-urban		ltr/100 km	5.2	5.3
Combined		ltr/100 km	5.8	5.9
CO ₂		g/km	153	154
Emission rating	1		EU6	EU6
Insurance cat	enory			
(Germany)	.cgoi y			
KH / VK / TK				3)

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight), All technical data are provisional

Height with roof aerial: 1564 mm
 Oil change
 Data not yet available

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BMW 535i xDrive Gran Turismo, BMW 550i xDrive Gran Turismo.

	BMW	535i xDrive Gran Turismo	BMW xDrive 550i Gran Turismo
Body			
No of doors/seats		4/5	4/5
Length/width/height 1) (unladen)	mm	5004 / 1901 / 1559	5004 / 1901 / 1559
Wheelbase	mm	3070	3070
Track, front/rear	mm	1611 / 1654	1621 / 1636
Ground clearance	mm	145	145
Turning circle	m	12.5	12.5
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.3	14.4
Engine oil 2)	ltr	6.5	9.0
Weight, unladen, to DIN/EU	kg	1995 / 2070	2140 / 2215
Max load to DIN	kg	630	590
Max permissible	kg	2625	2730
Max axle load, front/rear	kg	1200 / 1500	1290 / 1500
Max trailer load (12%),		2100 / 750	2100 / 750
braked/unbraked	kg		
Max roofload/max towbar downl	kg	75 / 100	75 / 100
Luggage comp capacity	ltr	500 – 1700	500 – 1700
Air resistance	Cd x A	0.31 x 2.57	0.31 x 2.57
Engine			
Config/No of cyls/valves		Straight-six / 4	V8 / 4
Engine technology		BMW TwinPower Turbo	BMW TwinPower Turbo
		technology with Twin-Scroll	technology with two
		turbocharger, direct injection (High Precision Injection) and	turbochargers, direct injection (High Precision Injection) and
		fully variable valve control	fully variable valve control
		(VALVETRONIC)	(VALVETRONIC)
Capacity, effective	CC	2979	4395
Stroke / bore	mm	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10,2	10,0
Fuel		Min RON 91	Min RON 91
Max output	kW/hp	225 / 306	330 / 450
at	rpm	5800 – 6000	5500 – 6000
Max torque	Nm	400	650
at	rpm	1200 – 5000	2000 – 4500
Electrical System			
Battery/location	Ah/–	90 / luggage comp	105 / luggage comp
Alternator	AW	210 / 2940	210 / 2940
Aitomator	7000	21072340	21072340
Driving Dynamics and Safety Suspension, front		Double track central arm avia with a	eparate lower track arm level, aluminium,
		small steering	roll radius, anti-dive
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling		
Brakes, front	Single-piston floating-calliper disc brakes		
Brakes, rear			ing-calliper disc brakes
Driving stability systems	Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control,		
Safety equipment	Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags at the rear on the outer seats, three-point inertia-reel belts on all seats, belt stoppers and belt latch tensioners at the front, crash sensors, Tyre Defect Indicator		
Steering			on steering with Servotronic
Steering transmission, overall	:1	19.1	19.1
Tyres, front/rear		245/50 R18 100Y RSC	245/45 R19 98Y RSC/ 275/40 R19 101Y RSC
Rims, front/rear		8J x 18 light-alloy	8.5J x 19 light-alloy/ 9.5J x19 light-alloy

		BMW	535i xDrive Gran Turismo	BMW 550i xDrive Gran Turismo
Transmission				
Type of transmis	ssinn		Fight-speed automatic tran	nsmission with Steptronic function
Gear ratios		:1	4.714	4.714
<u> </u>	il i	:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1,285	1.285
	VI	:1	1,000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.295	3.317
Final drive		:1	3.077	2.813
Performance				
Power-to-weigh	t ratio (DIN)	kg/kW	8.9	6.5
Output per litre		kW	75.5	75.′
Acceleration	0-100 km/h	sec	6.1	4.8
	0-1000 m	sec	26.4	23.5
Top speed		km/h	-	-
BMW Efficient	Dynamics			
BMW EfficientD				uperation display, Auto Start Stop function
standard feature	es			al gearbox models), ECO PRO mode with
				odels), intelligent lightweight construction, units, air flap control, map-controlled oil
				or, efficiency-optimised rear differential
				ower divider
Fuel Consump	tion EU			
Urban		ltr/100 km	11.7	13.0
Extra-urban		ltr/100 km	6.7	7.7
Combined		Itr/100 km	8.5	9.6
CO ₂		g/km	199	224
Emission rating			EU6	EU6
Insurance Cate	egory			
(Germany)			3)	
NH / VK / IK				

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight) All technichal data are provisional

Height with roof fin: 1564 mm
 Oil change
 Data not yet available

BMW 530d xDrive Gran Turismo, BMW 535d xDrive Gran Turismo.

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Body No of doors/seats				
No of doors/seats				
		4/5	4/5	
Length/width/height 1) (unladen)	mm	5004 / 1901 / 1559	5004 / 1901 / 1559	
Wheelbase	mm	3070	3070	
Track, front/rear	mm	1611 / 1654	1611 / 1654	
Ground clearance	mm	145	145	
Turning circle	m	12.2	12.2	
Tank capacity	app ltr	70	70	
Cooling system incl heater	Itr	8.8	8.9	
Engine oil 2)	ltr	6.5	6.5	
Weight, unladen, to DIN/EU	kg	1940 / 2015	1970 / 2045	
Max load to DIN	kg	630	630	
Max permissible	kg	2570	2600	
Max axle load, front/rear	kg	1150 / 1500	1170 / 1500	
Max trailer load (12%),	kg	2100 / 750	2100 / 750	
braked/unbraked	9	2.007.700	2.007.00	
Max roofload/max towbar downl	kg	75 / 100	75 / 100	
Luggage comp capacity	ltr	500 – 1700	500 – 1700	
Air resistance	Cd x A	0.29 x 2.57	0.30 x 2.57	
Engine Config/No of outships		Ctroight air / A	Ctroight aiv / 4	
Config/No of cyls/valves		Straight-six / 4 BMW TwinPower Turbo	Straight-six / 4 BMW TwinPower Turbo	
Engine technology		technology: variable-	technology with variable-	
		geometry turbocharger,	geometry multi-stage high-	
		Common Rail direct injection	pressure turbocharger,	
		with solenoid valve injectors	Common Rail direct injection	
		(max. injection pressure:	with piezo injectors (max.	
		1800 bar)	injection pressure: 2000 bar)	
Capacity, effective	CC	2993	2993	
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	
Compression ratio	:1	16.5	16.5	
Fuel		Diesel	Diesel	
Max output	kW/hp	190 / 258	230 / 313	
at	rpm	4000	4400	
Max torque	Nm	560	630	
at	rpm	1500	1500	
Floatrical Creaters				
Electrical System	Λ I= /	105 / 105 / 105	105 /	
Battery/location	Ah/-	105 / luggage comp	105 / luggage comp	
Alternator	A/W	180 / 2520	180 / 2520	
Driving Dynamics and Safety				
Suspension, front	Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive			
Suspension, rear				
dapension, real	Integral-V multi-arm axle, aluminium, anti-squat and anti-dive, double acoustic separation, air suspension with			
	automatic self-levelling			
Brakes, front		Single-piston floa	ting-calliper disc brakes	
Brakes, rear			ting-calliper disc brakes	
Driving stability systems	Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering			
Diving stability systems	Brake Control, DBC Dynamic Brake Control, Dry Braking, Fading Compensation, Start-Off Assistant, networked with xDrive all-wheel-drive			
			Aanagement; optional: Adaptive Drive incl	
	,		amic Drive anti-roll stability management	
Safety equipment	S	tandard: airbags for driver and front	passenger, side airbags for driver and front	
,			on the outer seats, three-point inertia-reel	
	seat belts on all seats, belt limiters and belt latch tensioners at the front, crash			
			re Defect Indicator	
0		Flectric Power Steer	ing (EPS) with Servotronic	
Steering		2.000.101 01101 01001	3 (-,	
Steering Steering transmission, overall	:1	19.1	19.1	
	:1		• • •	

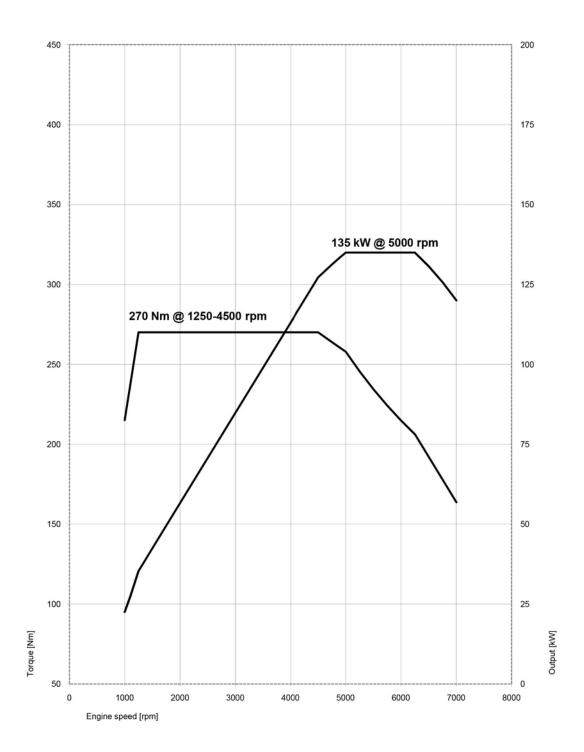
Transmission Type of transmission Gear ratios	:1 :1 :1 :1 :1 :1 :1 :1	4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667	smission with Steptronic function 4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667
Type of transmission Gear ratios I II III V V VI VII VIII R	:1 :1 :1 :1 :1 :1 :1 :1	4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667	4.714 3.143 2.106 1.667 1.285 1.000 0.839
Gear ratios	:1 :1 :1 :1 :1 :1 :1 :1	4.714 3.143 2.106 1.667 1.285 1.000 0.839 0.667	4.714 3.143 2.106 1.667 1.285 1.000 0.839
	:1 :1 :1 :1 :1 :1 :1 :1	3.143 2.106 1.667 1.285 1.000 0.839 0.667	3.143 2.106 1.667 1.285 1.000 0.839
III	:1 :1 :1 :1 :1 :1 :1	2.106 1.667 1.285 1.000 0.839 0.667	2.106 1.667 1.285 1.000 0.839
IV V VI VII VIII R	:1 :1 :1 :1 :1 :1	1.667 1.285 1.000 0.839 0.667	1.667 1.285 1.000 0.839
V VI VII VIII R	:1 :1 :1 :1 :1	1.285 1.000 0.839 0.667	1.285 1.000 0.839
VII VIII R	:1 :1 :1 :1	1.000 0.839 0.667	1.000 0.839
VII VIII R	:1 :1 :1	0.839 0.667	0.839
VIII R	:1	0.667	
R	:1		
		3.317	3.317
	:1	2.563	2.647
I IIIdi dilive		2.500	2.047
Performance			
Power-to-weight ratio (DIN)	kg/kW	10.6	8.9
Output per litre	kW	63.5	76.8
Acceleration 0–100 km/h	sec	6.2	5.6
0–1000 m	sec	26.6	25.6
Top speed	km/h	246	250
BMW EfficientDynamics			
BMW EfficientDynamics,		Brake Energy Regeneration with rec	uperation display, Auto Start Stop function.
standard features		ECO PRO mode with coasting fun- on-demand operation of ancillary un (EPS), detachable a/c compress	ction, intelligent lightweight construction, its, air flap control, Electric Power Steering sor, tyres with reduced roll resistance, formance technology
Fuel Consumption EU			
Urban	ltr/100 km	6.8	6.8
Extra-urban	ltr/100 km	5.2	5.3
Combined	ltr/100 km	5.8	5.9
CO ₂	g/km	153	154
Emission rating		EU6	EU6
Insurance Category			
(Germany) KH / VK / TK		3)	

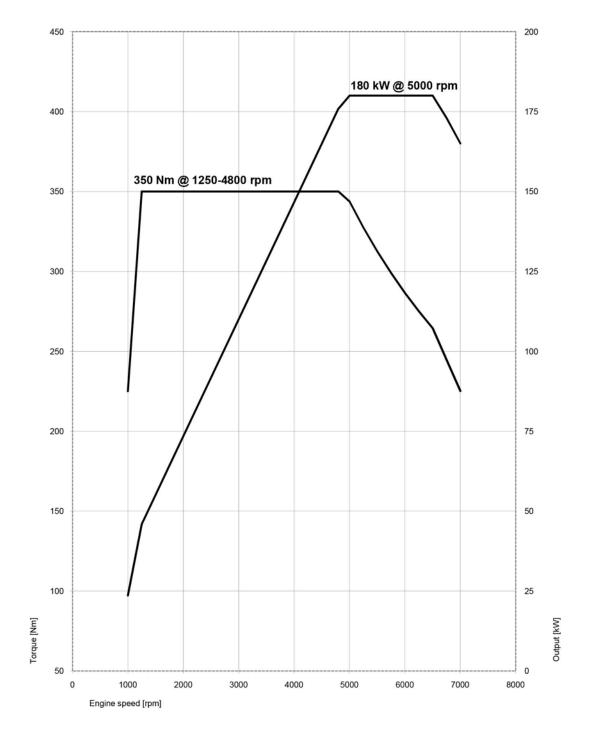
Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight), All technical data are provisional

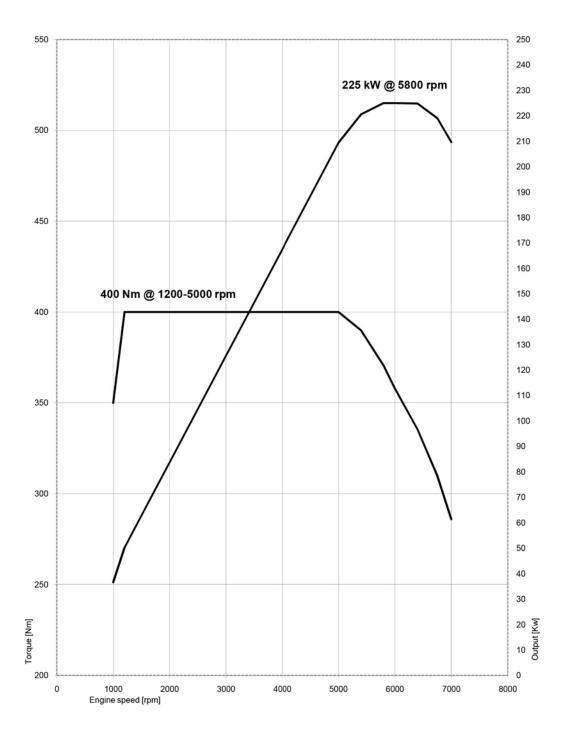
Height with roof aerial: 1564 mm
 Oil change
 Data not yet available

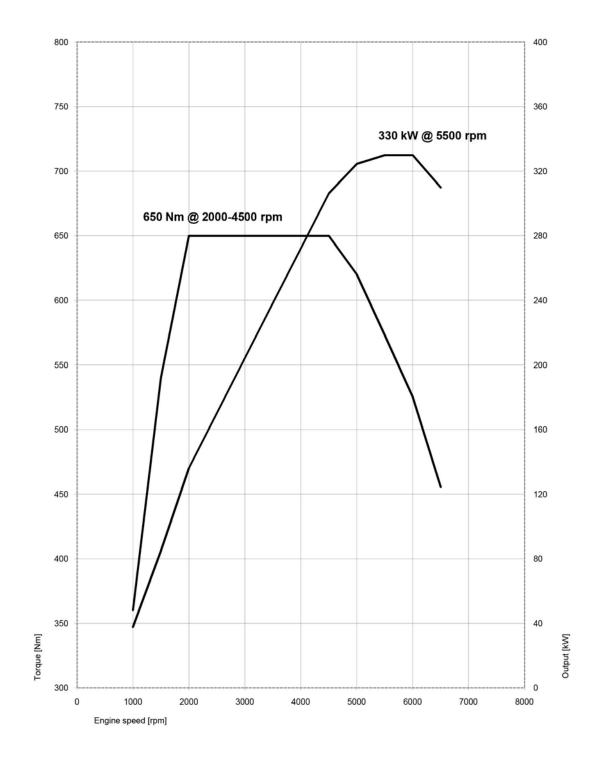
8. Output and torque diagrams. BMW 520i.

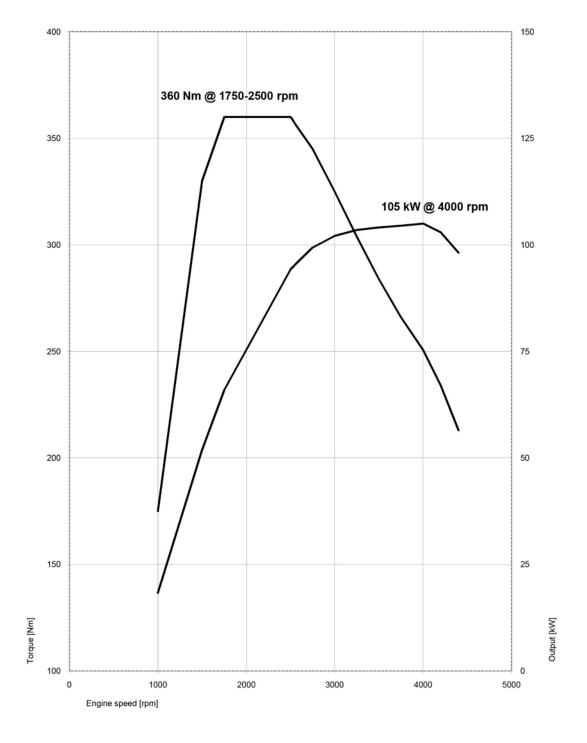




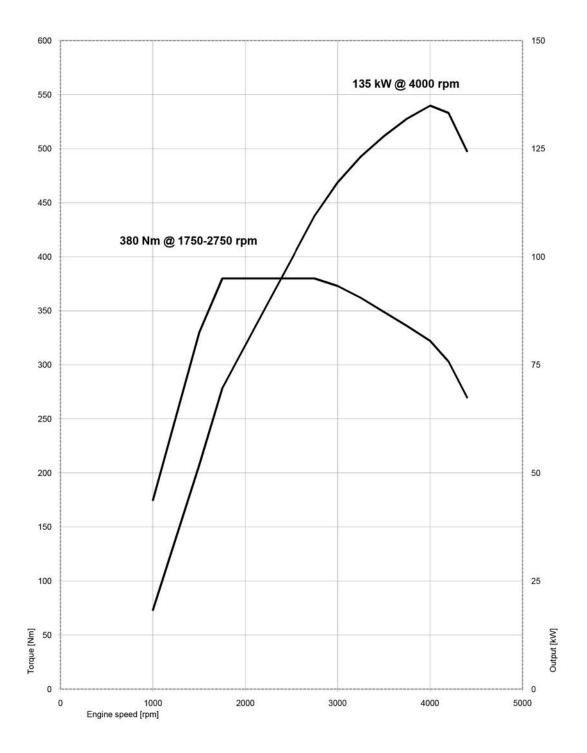


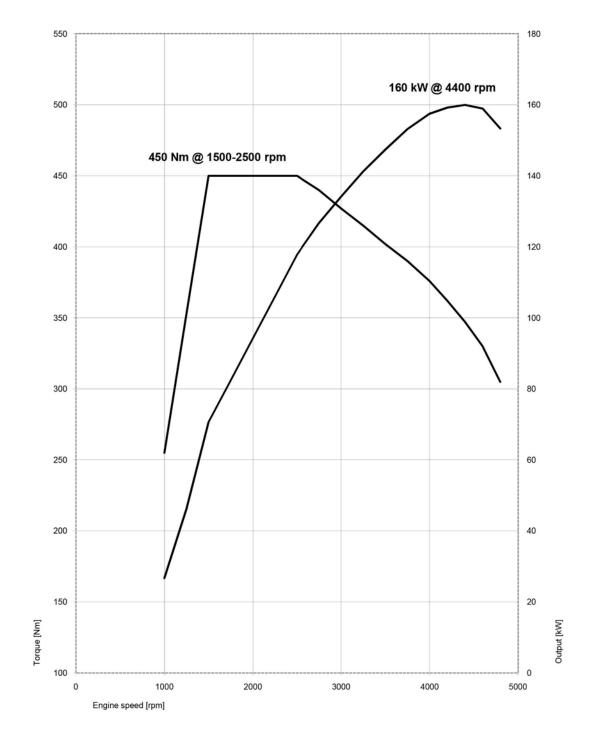


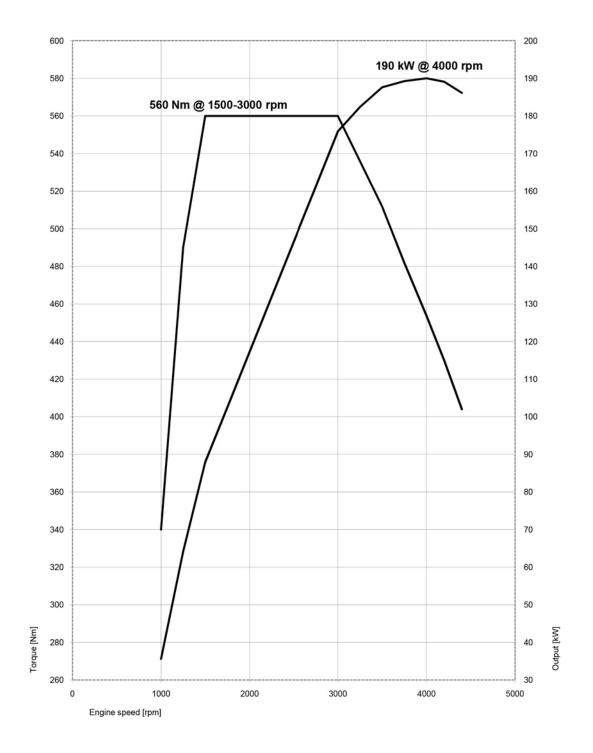


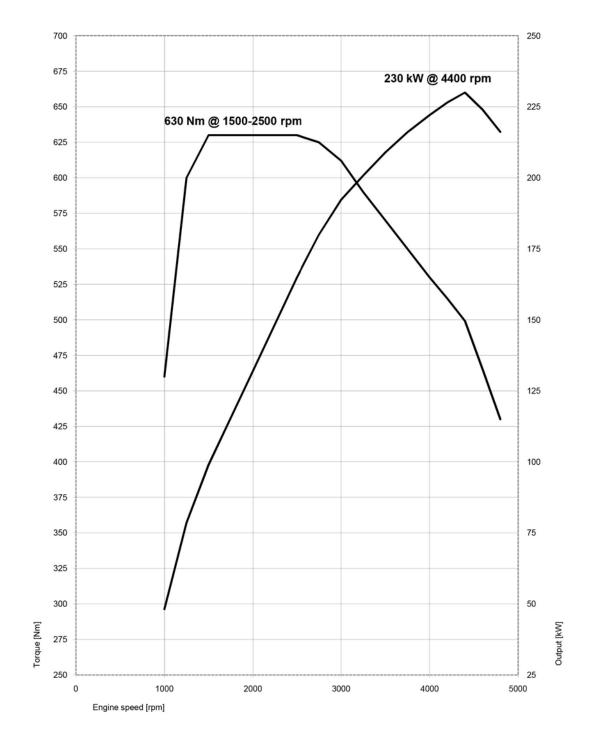


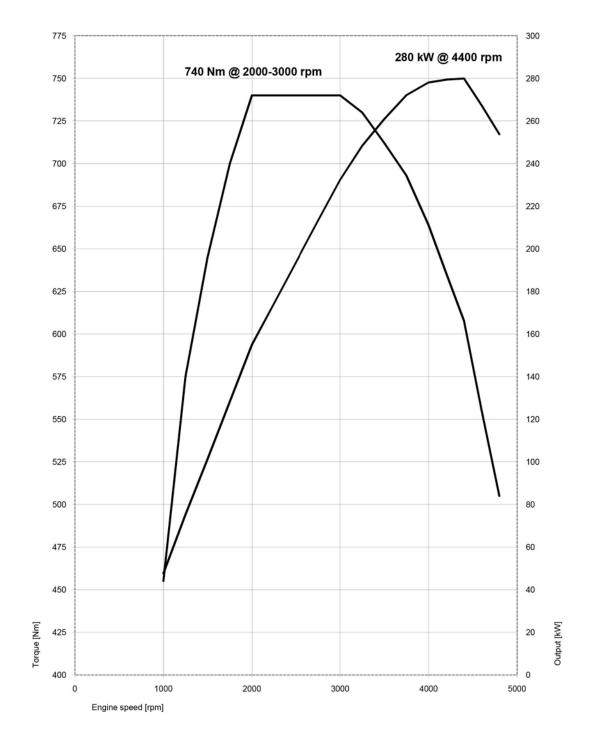
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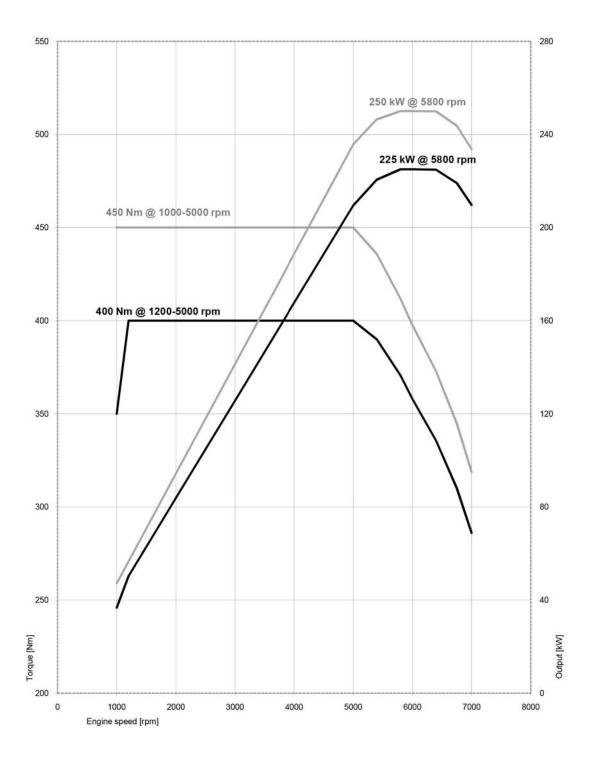








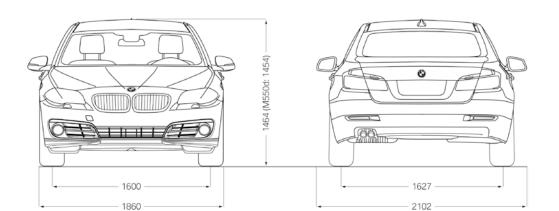


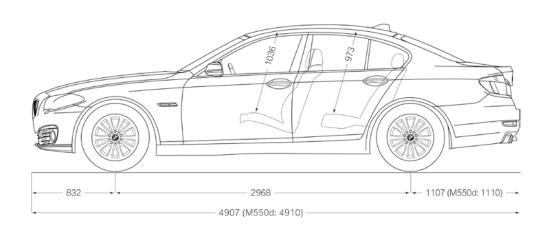


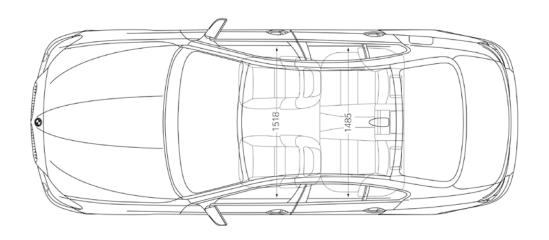
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9. Exterior and interior dimensions. BMW 5 Series Sedan.



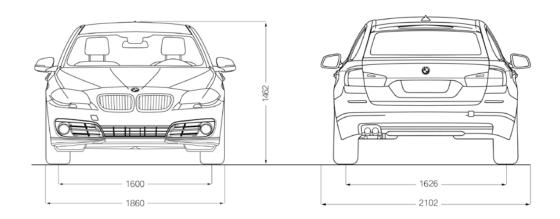


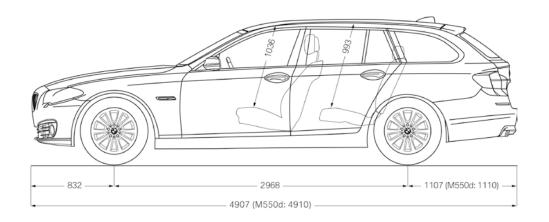


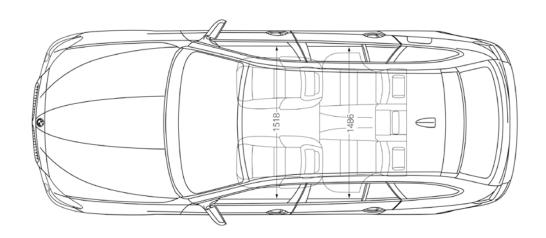


BMW 5 Series Touring.

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BMW 5 Series Gran Turismo.

