



8/2011

Valid from  
9/2011

|                                             |         | BMW 525d xDrive                                                                                                                                                                                                                                                                                                                       | BMW 530d xDrive                                                                                                                                                    | BMW 535d xDrive                                                                                                                                                             |
|---------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |         |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                                             |
| No of doors/seats                           |         | 4 / 5                                                                                                                                                                                                                                                                                                                                 | 4 / 5                                                                                                                                                              | 4 / 5                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm      | 4899 / 1860 / 1464                                                                                                                                                                                                                                                                                                                    | 4899 / 1860 / 1464                                                                                                                                                 | 4899 / 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       | 11.95                                                                                                                                                                                                                                                                                                                                 | 11.95                                                                                                                                                              | 11.95                                                                                                                                                                       |
| Tank capacity                               | app ltr | 70                                                                                                                                                                                                                                                                                                                                    | 70                                                                                                                                                                 | 70                                                                                                                                                                          |
| Cooling system incl heater                  | ltr     | 8.0                                                                                                                                                                                                                                                                                                                                   | 8.0                                                                                                                                                                | 8.0                                                                                                                                                                         |
| Engine oil <sup>2)</sup>                    | ltr     | 5.2                                                                                                                                                                                                                                                                                                                                   | 6.7                                                                                                                                                                | 6.2                                                                                                                                                                         |
| Weight, unladen, to DIN/EU                  | kg      | 1720 / 1795                                                                                                                                                                                                                                                                                                                           | 1790 / 1865                                                                                                                                                        | 1795 / 1870                                                                                                                                                                 |
| Max load to DIN                             | kg      | 600                                                                                                                                                                                                                                                                                                                                   | 600                                                                                                                                                                | 600                                                                                                                                                                         |
| Max permissible                             | kg      | 2320                                                                                                                                                                                                                                                                                                                                  | 2405                                                                                                                                                               | 2395                                                                                                                                                                        |
| Max axle load, front/rear                   | kg      | 1170 / 1300                                                                                                                                                                                                                                                                                                                           | 1190 / 1310                                                                                                                                                        | 1200 / 1330                                                                                                                                                                 |
| Max trailer load (12%),<br>braked/unbraked  | kg      | 2000 / 750                                                                                                                                                                                                                                                                                                                            | 2000 / 750                                                                                                                                                         | 2000 / 750                                                                                                                                                                  |
| Max roofload/max towbar dwl                 | kg      | 100 / 90                                                                                                                                                                                                                                                                                                                              | 100 / 90                                                                                                                                                           | 100 / 90                                                                                                                                                                    |
| Luggage comp capacity                       | ltr     | 520                                                                                                                                                                                                                                                                                                                                   | 520                                                                                                                                                                | 520                                                                                                                                                                         |
| Air resistance                              | Cd x A  | 0.29 x 2.35                                                                                                                                                                                                                                                                                                                           | 0.29 x 2.35                                                                                                                                                        | 0.29 x 2.35                                                                                                                                                                 |
| <b>Engine</b>                               |         |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                                             |
| Config/No of cyls/valves                    |         | Straight-four / 4                                                                                                                                                                                                                                                                                                                     | Straight-six / 4                                                                                                                                                   | Straight-six / 4                                                                                                                                                            |
| Engine technology                           |         | BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)                                                                                                                                                                    | BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar) | BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar) |
| Capacity, effective                         | cc      | 1995                                                                                                                                                                                                                                                                                                                                  | 2993                                                                                                                                                               | 2993                                                                                                                                                                        |
| 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   | 160 / 218                                                                                                                                                                                                                                                                                                                             | 190 / 258                                                                                                                                                          | 230 / 313                                                                                                                                                                   |
| at                                          | rpm     | 4400                                                                                                                                                                                                                                                                                                                                  | 4000                                                                                                                                                               | 4400                                                                                                                                                                        |
| Max torque                                  | Nm      | 450                                                                                                                                                                                                                                                                                                                                   | 560                                                                                                                                                                | 630                                                                                                                                                                         |
| at                                          | rpm     | 1500-2500                                                                                                                                                                                                                                                                                                                             | 1500-3000                                                                                                                                                          | 1500-2500                                                                                                                                                                   |
| <b>Electrical System</b>                    |         |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                                             |
| Battery/installation                        | Ah/-    | 90 / luggage comp                                                                                                                                                                                                                                                                                                                     | 90 / luggage comp                                                                                                                                                  | 90 / luggage comp                                                                                                                                                           |
| Alternator                                  | A/W     | 220 / 3080                                                                                                                                                                                                                                                                                                                            | 220 / 3080                                                                                                                                                         | 220 / 3080                                                                                                                                                                  |
| <b>Driving Dynamics and Safety</b>          |         |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                                                                             |
| 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, anti-squat and anti-dive, double acoustic separation                                                                                                                                                                                                                                            |                                                                                                                                                                    |                                                                                                                                                                             |
| Brakes, front                               |         | Single-piston aluminium 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 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, Adaptive Drive (BMW 530d xDrive, BMW 535d xDrive)                                                                  |                                                                                                                                                                    |                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                        | Hydraulic rack-and-pinion power steering with Servotronic                                                                                                          |                                                                                                                                                                             |
| Steering transmission, overall              | :1      | 17.1                                                                                                                                                                                                                                                                                                                                  | 17.9                                                                                                                                                               | 17.9                                                                                                                                                                        |
| 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                                                                                                                                                         |

# Specifications BMW 5 Series Sedan.

8/2011

Valid from  
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|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | <b>BMW 525d xDrive</b> | <b>BMW 530d xDrive</b> | <b>BMW 535d xDrive</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------|------------------------|------------------------|
| <b>BMW ConnectedDrive</b>                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Comfort                                                                                                                                                                                                                                                                                                                                                        | Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals                                                                                                                                                                                                                                                                                                                                                                                           |             |                        |                        |                        |
| Infotainment                                                                                                                                                                                                                                                                                                                                                   | Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps                                                                                                                                                                                                                                                                                                                                                  |             |                        |                        |                        |
| Safety                                                                                                                                                                                                                                                                                                                                                         | Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call |             |                        |                        |                        |
| <b>Transmission</b>                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Type of gearbox                                                                                                                                                                                                                                                                                                                                                | Eight-speed automatic with Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                        |                        |                        |
| Gear ratios                                                                                                                                                                                                                                                                                                                                                    | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | :1          | 4.714                  | 4.714                  | 4.714                  |
|                                                                                                                                                                                                                                                                                                                                                                | II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | :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                  | 1.285                  |
|                                                                                                                                                                                                                                                                                                                                                                | 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                  | 3.317                  | 3.317                  |
| Final drive                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | :1          | 3.077                  | 2.471                  | 2.647                  |
| <b>Performance</b>                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Power-to-weight ratio                                                                                                                                                                                                                                                                                                                                          | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | 10.8                   | 9.4                    | 7.8                    |
| Output per litre                                                                                                                                                                                                                                                                                                                                               | kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | 80.2                   | 63.5                   | 76.8                   |
| Acceleration                                                                                                                                                                                                                                                                                                                                                   | 0–100 km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | sec         | 7.0                    | 6.0                    | 5.5                    |
|                                                                                                                                                                                                                                                                                                                                                                | Standing-start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sec         | 27.6                   | 26.1                   | 24.6                   |
|                                                                                                                                                                                                                                                                                                                                                                | in 4th gear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 80–120 km/h | sec                    | –                      | –                      |
| Top speed                                                                                                                                                                                                                                                                                                                                                      | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | 234                    | 250                    | 250                    |
| <b>BMW EfficientDynamics</b>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| BMW EfficientDynamics, standard features                                                                                                                                                                                                                                                                                                                       | Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control (BMW 525d xDrive, BMW 530d xDrive), Electric Power Steering (BMW 525d xDrive), detachable a/c compressor, tyres with reduced roll resistance                                                                                                                                                                                                        |             |                        |                        |                        |
| <b>Fuel consumption EU<sup>3)</sup></b>                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Urban                                                                                                                                                                                                                                                                                                                                                          | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 6.0                    | 6.5                    | 6.8                    |
| Extra-urban                                                                                                                                                                                                                                                                                                                                                    | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 4.6                    | 5.0                    | 5.0                    |
| Combined                                                                                                                                                                                                                                                                                                                                                       | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 5.1                    | 5.5                    | 5.7                    |
| CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                | g/km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | 134                    | 146                    | 149                    |
| With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 931)                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Urban                                                                                                                                                                                                                                                                                                                                                          | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 6.2                    | 6.6                    | 7.0                    |
| Extra-urban                                                                                                                                                                                                                                                                                                                                                    | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 4.7                    | 5.1                    | 5.2                    |
| Combined                                                                                                                                                                                                                                                                                                                                                       | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 5.2                    | 5.7                    | 5.9                    |
| CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                | g/km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | 138                    | 149                    | 154                    |
| 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),<br>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),<br>With 8.5J x 20 wheels at front, 9J x 20 at the rear and 245/35 R20 tyres at front, 275/30 R20 at the rear (2H9) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                        |                        |                        |
| Urban                                                                                                                                                                                                                                                                                                                                                          | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 6.2                    | 6.7                    | 7.1                    |
| Extra-urban                                                                                                                                                                                                                                                                                                                                                    | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 4.8                    | 5.2                    | 5.3                    |
| Combined                                                                                                                                                                                                                                                                                                                                                       | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 5.3                    | 5.8                    | 5.9                    |
| CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                | g/km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | 140                    | 152                    | 156                    |
| Emission rating                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | EU5                    | EU5                    | EU5                    |

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

<sup>1)</sup> Height with roof aerial: 1475 mm

<sup>2)</sup> Oil change

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format