

# Specifications BMW 3 Series Sedan.

## BMW 320d EfficientDynamics Edition,

## BMW 320d.



|  |                    | BMW 320d<br>EfficientDynamics<br>Edition  | BMW 320d              |
|--|--------------------|---|-----------------------|
| <b>Body</b>                                |                    |   |                       |
| No. of doors/seats                         |                    | 4 / 5   | 4 / 5                 |
| Length/width/height (unladen)              | mm                 | 4624 / 1811 / 1416  | 4624 / 1811 / 1429    |
| Wheelbase                                  | mm                 | 2810  | 2810                  |
| Track, front/rear                          | mm                 | 1543 / 1583   | 1543 / 1583           |
| Ground clearance                           | mm                 | 125   | 140                   |
| Turning circle                             | m                  | 11.3  | 11.3                  |
| Tank capacity                              | approx. l          | 57  | 57                    |
| Cooling system incl. heating               | l                  | 7   | 7                     |
| Engine oil <sup>1)</sup>                   | l                  | 5.2   | 5.2                   |
| Weight, unladen, to DIN/EU                 | kg                 | 1415 / 1490   | 1420 / 1495           |
| Max load to DIN                            | kg                 | 550   | 550                   |
| Max permissible weight                     | kg                 | 1965 (1975)   | 1970 (1980)           |
| Max axle load, front/rear                  | kg                 | 905 / 1120  | 905 / 1120            |
| Max trailer load,<br>braked (12%/unbraked) | kg                 | 1600 / 745  | 1600 / 745            |
| Max roof load/towbar download              | kg                 | 75 / 75   | 75 / 75               |
| Luggage comp. capacity                     | l                  | 480   | 480                   |
| Air drag                                   | c <sub>d</sub> x A | 0.26 x 2.20   | 0.27 x 2.20           |
| <b>Engine</b>                              |                    |   |                       |
| Config./No. of cyls./valves                |                    | R / 4 / 4   | R / 4 / 4             |
| Engine technology                          |                    | Common rail direct inject<br>turbocharger with variable i<br>geometry   |                       |
| Effective capacity                         | cm <sup>3</sup>    | 1995  | 1995                  |
| Bore/stroke                                | mm                 | 90.0 / 84.0   | 90.0 / 84.0           |
| Compression ratio                          | :1                 | 16.5  | 16.5                  |
| Fuel grade                                 |                    | diesel  | diesel                |
| Output                                     | kW/hp              | 120 / 163   | 135 / 184             |
| at   | min <sup>-1</sup>  | 4000  | 4000                  |
| Torque                                     | Nm                 | 380   | 380                   |
| at   | min <sup>-1</sup>  | 1750-2750   | 1750-2750             |
| <b>Electrical system</b>                   |                    |   |                       |
| Battery/Installation                       | Ah/–               | 90 / luggage comp.  | 90 / luggage comp.    |
| Alternator                                 | AW                 | 180 / 2520  | 180 / 2520            |
| <b>Driving dynamics and safety</b>         |                    |   |                       |
| Suspension, front                          |                    | Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive   |                       |
| Suspension, rear                           |                    | Five-link axle in lightweight construction  |                       |
| Brakes, front                              |                    | Single-piston swing-calliper disc brakes / vented   |                       |
| Brakes, rear                               |                    | Single-piston swing-calliper disc brakes / 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  |                       |
| 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 latch tensioner and belt force limiter at the front, crash-activated head restraints at the front, crash sensors, Tyre Defect Indicator |                       |
| Steering                                   |                    | Electromechanical rack-and-pinion power steering  |                       |
| Steering ratio, overall                    | :1                 | 15.1  | 15.1                  |
| Tyres, front/rear                          |                    | 205/60 R16 92W  | 205/60 R16 92W        |
| Rims, front/rear                           |                    | 7.0J x 16 light-alloy   | 7.0J x 16 light-alloy |

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|--|--|-------------|--|---------------|---------------|
| <b>BMW ConnectedDrive</b>                |  |             |  |               |               |
| Comfort                                  |  |             | Optional: BMW Assist incl. Enquiry Service, remote-control functions and V-Info+ (Traffic Info plus), RTTI, BMW TeleServices, mobile device integration  |               |               |
| Infotainment                             |  |             | Optional: internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming and Online Update Music Tracks  |               |               |
| Safety                                   |  |             | Optional: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, rear view camera, Surround View incl. Side View and Top View, Head-Up Display, Parking Assistant, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Advanced eCall |               |               |
| <b>Transmission</b>                      |  |             |  |               |               |
| Type of gearbox                          |  |             | Six-speed manual (optional: eight-speed automatic)   |               |               |
| Gear ratios                              |  | I           | :1   | 4.110 (4.714) | 4.110 (4.714) |
|  |  | II          | :1   | 2.248 (3.143) | 2.248 (3.143) |
|  |  | III         | :1   | 1.403 (2.106) | 1.403 (2.106) |
|  |  | IV          | :1   | 1.000 (1.667) | 1.000 (1.667) |
|  |  | V           | :1   | 0.802 (1.285) | 0.802 (1.285) |
|  |  | VI          | :1   | 0.659 (1.000) | 0.659 (1.000) |
|  |  | VII         | :1   | ----- (0.839) | ----- (0.839) |
|  |  | VIII        | :1   | ----- (0.667) | ----- (0.667) |
|  |  | R           | :1   | 3.727 (3.295) | 3.727 (3.295) |
| Final drive                              |  |             | :1   | 2.929 (2.813) | 3.231 (2.813) |
| <b>Performance</b>                       |  |             |  |               |               |
| Power-to-weight ratio                    |  | kg/kW       | 11.8 (11.9)  | 10.5 (10.6)   |               |
| Output per litre                         |  | kW/l        | 60.2   | 67.7          |               |
| Acceleration                             |  | 0–100 km/h  | s  | 8.0 (8.1)     | 7.5 (7.6)     |
|  |  | 0–1000 m    | s  | 28.7 (28.4)   | 27.7 (27.7)   |
| in 4th gear                              |  | 80–120 km/h | s  | 6.7 / 9.1 (-) | 5.9 / 7.5 (-) |
| Top speed                                |  | km/h        | 230 (225)  | 235 (230)     |               |
| <b>BMW EfficientDynamics</b>             |  |             |  |               |               |
| BMW EfficientDynamics standard features  |  |             | Brake Energy Regeneration, Optimum Shift Indicator (manual gearbox), on-demand operation of ancillary units, intelligent lightweight construction, EPS (electric power steering), tyres with reduced rolling resistance, map-controlled oil pump, disengageable a/c compressor   |               |               |
| <b>Fuel consumption EU<sup>2)</sup></b>  |  |             |  |               |               |
| Urban                                    |  | l/100km     | 5.2 (5.0)  | 5.8 (5.4)     |               |
| Extra-urban                              |  | l/100km     | 3.5 (3.6)  | 3.8 (3.9)     |               |
| Combined                                 |  | l/100km     | 4.1 (4.1)  | 4.5 (4.4)     |               |
| CO <sub>2</sub>                          |  | g/km        | 109 (109)  | 119 (117)     |               |
| Emission rating                          |  |             | EU5  | EU5           |               |

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

<sup>1)</sup> Oil change volume

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions vary according to the wheel and tyre sizes selected