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# **Specifications.**The BMW Series 2 Gran Tourer. 216i, 218i, 220i.



|   |                      | BMW 216i   | BMW 218i   | BMW 220i  |
|---|----------------------|--|--|---|
| Body  |                      |  |  |   |
| No of doors/seats   |                      | 5/5  | 5/5  | 5/5   |
| Length/width/height (unladen)   | mm                   | 4568/1800/1608   | 4568/1800/1608   | 4568/1800/1608  |
| Wheelbase   | mm                   | 2780   | 2780   | 2780  |
| Track, front/rear   | mm                   | 1561/1562  | 1561/1562  | 1557/1558   |
| Ground clearance  | mm                   | 165  | 165  | 165   |
| Turning circle  | m                    | 11.7   | 11.7   | 11.7  |
| Fuel tank capacity  | Approx. Itr          | 51   | 51   | 51  |
| Engine oil <sup>1)</sup>  | Itr                  | 4.25   | 4.25   | 5.25  |
| Weight, unladen, to DIN/EU  | kg                   | 1410/1485  | 1415/1490<br>(1440/1515)   | 1485/1560   |
| Max load to DIN   | kg                   | 630  | 630  | 630   |
| Max permissible weight  | kg                   | 2055   | 2060 (2090)  | 2140  |
| Max axle load, front/rear   | kg                   | 1010/1055  | 1015/1055<br>(1045/1055)   | 1075/1065   |
| Max trailer load,<br>Braked (12%)/unbraked  | kg                   | 1100/730   | 1500/735   | 1500/750  |
| Max roofload/max towbar download  | kg                   | 75/75  | 75/75  | 75/75   |
| Luggage comp capacity   | ltr                  | 645–1905   | 645–1905   | 645–1905  |
| Air resistance  | C <sub>d</sub> x A   | 0.30 x 2.45  | 0.28 x 2.45<br>(0.30 x 2.45)   | 0.32 x 2.45   |
| Power Unit  |                      |  |  |   |
| Config/No of cyls/valves  |                      | In-line/3/4  | In-line/3/4  | In-line/4/4   |
| Engine technology   |                      |  | ırbo technology: turbochar   |   |
| Engine teamology  | tı                   | urbocharger), High Pred  | sision Direct Injection, VAL\<br>Double-VANOS variable ca  | /ETRONIC fully variable   |
| Effective capacity  | CC                   | 1499   | 1499   | 1998  |
| Stroke/bore   | mm                   | 94.6/82.0  | 94.6/82.0  | 94.6/82.0   |
| Compression ratio   | :1                   | 11.0   | 11.0   | 11.0  |
| Fuel  |                      | min. RON 91  | min. RON 91  | min. RON 91   |
| Max output  | kW/hp                | 80/109   | 103/140  | 141/192   |
| at  | rpm                  | 4100-6500  | 4500-6500  | 5000-6000   |
| Max torque  | Nm/lb-ft             | 190/140  | 220/162  | 280/207   |
| at  | rpm                  | 1350–3800  | 1480–4200  | 1350–4600   |
| Electrical System   |                      |  |  |   |
| Battery / installation  | Ah/- 70              | Engine compartment   | 70/ Engine compartment   | 70/ Engine compartment  |
|   |                      |  |  |   |
| Driving Dynamics and Safe   | tv                   |  |  |   |
|   | ty                   | Single-joint spring  | n-strut ayle in lightweight s  | teel construction   |
| Suspension, front   | ty                   | <u> </u>   | g-strut axle in lightweight s  |   |
| Suspension, front<br>Suspension, rear   | ty                   | Central-a  | arm axle in lightweight cons   | struction   |
| Suspension, front<br>Suspension, rear<br>Brakes, front  | ty                   | Central-a<br>Single-pisto  | arm axle in lightweight cons<br>on floating-calliper disc brak   | etruction<br>les / vented   |
| Suspension, front<br>Suspension, rear<br>Brakes, front<br>Brakes, rear  |                      | Central-a<br>Single-pisto<br>Single-   | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc  | struction<br>ses / vented<br>brakes   |
| Suspension, front<br>Suspension, rear<br>Brakes, front<br>Brakes, rear  | Sta                  | Central-a<br>Single-pisto<br>Single-<br>ndard: DSC incl. ABS a<br>rake Control), DBC (Dy<br>Compensation, St   | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry<br>art-Off Assistant; Drive Per   | struction les / vented brakes Control), CBC (Cornering Braking function, Fading formance Control;   |
| Suspension, front Suspension, rear Brakes, front Brakes, rear Driving stability systems                             | Sta<br>B             | Central-a<br>Single-pisto<br>Single-<br>ndard: DSC incl. ABS a<br>rake Control), DBC (Dy<br>Compensation, St<br>optio  | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry<br>art-Off Assistant; Drive Per<br>onal: Dynamic Damper Cor   | struction les / vented brakes Control), CBC (Cornering Braking function, Fading formance Control;   |
| Suspension, front Suspension, rear Brakes, front Brakes, rear Driving stability systems                             | Sta<br>B<br>S<br>fro | Central-a Single-pisto Single- ndard: DSC incl. ABS a rake Control), DBC (Dy Compensation, St. optio Standard: airbags for driv ont passenger, head airl   | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry l<br>art-Off Assistant; Drive Per<br>onal: Dynamic Damper Cor<br>ver and front passenger, sic<br>bags for front and rear seat   | struction tes / vented brakes Control), CBC (Cornering Braking function, Fading formance Control; htrol de airbags for driver and s, three-point inertia-reel                         |
| Suspension, front Suspension, rear Brakes, front Brakes, rear Driving stability systems                             | Sta<br>B<br>S<br>fro | Central-a Single-pisto Single-pisto Single-pisto Single-pisto Pisto Single-pisto Compensation, St. Optio Standard: airbags for driv ont passenger, head airl seatbelts on all seats w                    | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry<br>art-Off Assistant; Drive Per<br>onal: Dynamic Damper Cor<br>over and front passenger, sic<br>ovags for front and rear seat<br>tith belt stopper, belt latch t<br>limiter at the front seats    | etruction les / vented brakes Control), CBC (Cornering Braking function, Fading formance Control; htrol de airbags for driver and s, three-point inertia-reel ensioner and belt force |
| Suspension, front Suspension, rear Brakes, front Brakes, rear Driving stability systems  Safety equipment           | Sta<br>B<br>S<br>fro | Central-a Single-pisto Single-pisto Single-pisto Single-pisto Pisto Single-pisto Compensation, St. Optio Standard: airbags for driv ont passenger, head airl seatbelts on all seats w                    | arm axle in lightweight cons<br>on floating-calliper disc brake<br>piston floating-calliper disc<br>and DTC (Dynamic Traction<br>namic Brake Control), Dry l<br>art-Off Assistant; Drive Per<br>onal: Dynamic Damper Cor<br>ver and front passenger, sic<br>pags for front and rear seat<br>ith belt stopper, belt latch t                                 | etruction les / vented brakes Control), CBC (Cornering Braking function, Fading formance Control; htrol de airbags for driver and s, three-point inertia-reel ensioner and belt force |
| <del></del>   | Sta<br>B<br>S<br>fro | Central-a Single-pisto Single-pisto Single-pisto Single-pisto Read Control, DBC (Dy Compensation, St optic Standard: airbags for dri ont passenger, head airl seatbelts on all seats w Electric Power St | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry<br>art-Off Assistant; Drive Per<br>onal: Dynamic Damper Cor<br>over and front passenger, sic<br>ovags for front and rear seat<br>tith belt stopper, belt latch t<br>limiter at the front seats    | etruction les / vented brakes Control), CBC (Cornering Braking function, Fading formance Control; htrol de airbags for driver and s, three-point inertia-reel ensioner and belt force |
| Suspension, front Suspension, rear Brakes, front Brakes, rear Driving stability systems  Safety equipment  Steering | Sta<br>B<br>S<br>fro | Central-a Single-pisto Single-pisto Single-pisto Single-pisto Pisto Single-pisto Compensation, St. Optio Standard: airbags for driv ont passenger, head airl seatbelts on all seats w                    | arm axle in lightweight cons<br>on floating-calliper disc brak<br>piston floating-calliper disc<br>nd DTC (Dynamic Traction<br>namic Brake Control), Dry<br>art-Off Assistant; Drive Per<br>over and front passenger, sic<br>pags for front and rear seat<br>ith belt stopper, belt latch to<br>limiter at the front seats<br>seering (EPS); optional: Ser | struction des / vented brakes Control), CBC (Cornering Braking function, Fading formance Control; atrol de airbags for driver and s, three-point inertia-reel ensioner and belt force |

|                         |          | BMW 216i                        | BMW 218i                         | BMW 220                 |
|-------------------------|----------|---------------------------------|----------------------------------|-------------------------|
| Transmission            |          |                                 |                                  |                         |
| Type of transmission    |          | Six-speed manual                | Six-speed manual                 | seven-speed DCT         |
| 71                      |          |                                 | (optional: seven-speed           |                         |
|                         |          |                                 | DCT)                             |                         |
| Gear ratios             | I :1     | 3.615                           | 3.615 (17.348)                   | 15.304                  |
|                         | II :1    | 1.952                           | 1.952 (10.232)                   | 9.026                   |
|                         | III :1   | 1.241                           | 1.241 (6.593)                    | 5.735                   |
|                         | IV :1    | 0.969                           | 0.969 (4.615)                    | 4.015                   |
|                         | V :1     | 0.806                           | 0.806 (3.572)                    | 3.108                   |
|                         | VI :1    | 0.683                           | 0.683 (2.819)                    | 2.487                   |
|                         | VII :1   |                                 | (2.285)                          | 2.016                   |
|                         | VIII :1  |                                 |                                  |                         |
|                         | R :1     | 3.538                           | 3.538 (15.892)                   | 13.825                  |
| Performance             |          |                                 |                                  |                         |
| Power-to-weight ratio   | kg/kW    | 17.6                            | 13.7 (14.0)                      | 10.5                    |
| Output per litre        | kW/ltr   | 53.4                            | 68.7                             | 70.6                    |
| 0–100 km/h              | sec      | 11.7                            | 9.5 (9.8)                        | 7.6                     |
| In 5th gear 80–120 km/h | sec      | 14.9                            | 11.4 (–)                         | -                       |
| Top speed               | km/h     | 188                             | 205 (205)                        | 222                     |
| BMW EfficientDynamics   | <b>S</b> |                                 |                                  |                         |
| BMW EfficientDynamics   |          | Brake Energy Regeneration       | n with recuperation display,     | Electric Power Steering |
| standard features       |          | (EPS), Auto Start Stop function | tion, Optimum Shift Indicato     | r (manual gearbox), ECO |
|                         |          |                                 | ion (automatic), intelligent lig |                         |
|                         |          |                                 | ibutes, on-demand operation      |                         |
|                         |          | regulated oil pu                | mp, tyres with reduced rollin    | g resistance            |
| Fuel Consumption ECE    | 2)       |                                 |                                  |                         |
| <br>Urban               | ltr/100  | 7.4–7.1                         | 7.3–7.3 (7.2–7.2)                | 7.4*                    |
| Orban                   | km       |                                 | 1.3–1.3 (1.2–1.2)                | 7.4                     |
| Extra-urban             | ltr/100  | 5.3–5.1                         | 5.2-5.0 (5.3-5.2)                | 5.4                     |
|                         | km       |                                 |                                  |                         |
| Combined                | ltr/100  | 6.1–5.9                         | 6.0-5.9 (6.0)                    | 6.1                     |
|                         | km       |                                 |                                  |                         |
| CO <sub>2</sub>         | g/km     |                                 | 137–134 (137)                    | 140*                    |
| Emission rating         |          | EU6                             | EU6                              | EU6                     |

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

<sup>&</sup>lt;sup>1)</sup> Oil change
<sup>2)</sup> The fuel consumption, CO<sub>2</sub> emissions and operating range figures were determined according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different size of the selected wheels and tires. The values are already based on the new WLTP regulation and are translated back into NEDC-equivalent values in order to ensure the comparison between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ to the values stated here (depending on national legislation). The CO<sub>2</sub> efficiency specifications are determined according to Directive 1999/94/EC and the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO<sub>2</sub> values as per the NEDC \*Fuel consumption and CO<sub>2</sub> values based on NEDC.

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#### The BMW Series 2 Gran Tourer. 216d, 218d, 218d xDrive.

|   |  | BMW 216d                | BMW 218d                       | BMW 218d xDrive             |
|---|--|-------------------------|--------------------------------|-----------------------------|
| Body  |  |                         |                                |                             |
| No of doors/seats   |  | 5/5                     | 5/5                            | 5/5                         |
| Length/width/height (unladen)   | mm   | 4568/1800/1608          | 4568/1800/1608                 | 4568/1800/1608              |
| Wheelbase   | mm   | 2780                    | 2780                           | 2780                        |
| Track, front/rear   | mm   | 1561/1562               | 1557/1558                      | 1557/1558                   |
| Ground clearance  | mm   | 165                     | 165                            | 165                         |
| Turning circle  | m  | 11.7                    | 11.7                           | 11.7                        |
| Fuel tank capacity  | Approx. ltr  | 51                      | 51                             | 51                          |
| Engine oil <sup>1)</sup>  | Itr  | 4.8                     | 5.5                            | 5.5                         |
| Weight, unladen, to DIN/EU  | kg   | 1480/1555               | 1515/1590                      | 1590/1665                   |
| Weight, unladen, to blive   | ĸg   | (1500/1575)             | (1540/1615)                    | (1610/1685)                 |
| Max load to DIN   | kg   | 630                     | 630                            | 630                         |
| Max permissible weight  | kg kg  | 2130 (2155)             | 2170 (2205)                    | 2245 (2265)                 |
| Max axle load, front/rear   | kg   | 1055/1090               | 1090/1090                      | 1125/1130                   |
| Iviax axie ioad, irontireal   | Ng   | (1075/1090)             | (1130/1090)                    | (1150/1125)                 |
| Max trailer load,   | kg   | 1500/750                | 1500/750                       | 1600/750                    |
| Braked (12%)/unbraked   | 1.9  | 1000/100                | 1000/100                       | 1000/100                    |
| Max roofload/max towbar   | kg   | 75/75                   | 75/75                          | 75/75                       |
| download  | 1.9  | 76/76                   | 70770                          | 10/10                       |
| Luggage comp capacity   | ltr  | 645–1905                | 645–1905                       | 645–1905                    |
| Air resistance  | Cd x A   | 0.28 x 2.45             | 0.28 x 2.45                    | 0.29 x 2.45                 |
|   |  |                         |                                |                             |
| Power Unit  |  |                         |                                |                             |
| Config/No of cyls/valves  |  | In-line/3/4             | In-line/4/4                    | In-line/4/4                 |
| Engine technology   |  |                         | rbo technology: variable-ge    |                             |
| _ng.ne teen.ne.egy  | (  |                         | ti-stage charging, variable-c  |                             |
|   | `  | •                       | rect injection with solenoid   |                             |
| Effective capacity  | CC   | 1496                    | 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  |  | Diesel                  | Diesel                         | Diesel                      |
| Max output  | kW/hp  | 85/116                  | 110/150                        | 110/150                     |
| at  | rpm  | 4000                    | 4000                           | 4000                        |
| Max torque  | Nm/lb-ft   | 270/199                 | 350/258                        | 350/258                     |
| at  | rpm  | 1750–2250               | 1750–2500                      | 1750–2500                   |
|   | 1-   |                         |                                |                             |
| Electrical System   |  |                         |                                |                             |
| Battery / installation  | Ah/- 70  | / Engine compartment    | 70/ Engine compartment         | 70/ Engine compartment      |
|   |  |                         |                                |                             |
| <b>Driving Dynamics and Safe</b>  | ty   |                         |                                |                             |
| Suspension, front   |  | Single-joint sprin      | g-strut axle in lightweight s  | teel construction           |
| Suspension, rear  | Central-arm axle in lightweight construction                               |                         |                                |                             |
| Brakes, front   | Single-piston floating-calliper disc brakes / vented                       |                         |                                |                             |
| Brakes, rear  |  |                         | piston floating-calliper disc  |                             |
| Driving stability systems   | Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering |                         |                                |                             |
|   | _  |                         | namic Brake Control), Dry I    |                             |
|   |  |                         | Assistant; DSC networked v     |                             |
|   |  | system (218             | 8d xDrive), Drive Performan    | ice Control;                |
|   |  | opti                    | onal: Dynamic Damper Cor       | ntrol                       |
| Safety equipment Standard: airbags for driver and front passenger, side airbags f |  |                         |                                |                             |
|   | fr   | ont passenger, head air | bags for front and rear seat   | s, three-point inertia-reel |
|   |  | seatbelts on all s      | seats with belt stopper, belt  | t latch tensioner           |
|   |  | and b                   | elt force limiter at the front | seats                       |
| Steering  |  |                         | ectric Power Steering (EPS     |                             |
| -   |  | optional: Sen           | votronic function, variable s  | port steering               |
| Steering ratio, overall   | :1   | 16.0                    | 16.0                           | 16.0                        |
| Tyres, front/rear   |  | 205/60 R16 96V          | 205/55 R17 95W                 | 205/55 R17 95W              |
| Rims, front/rear  |  | 7.0J x 16 light alloy   | 7.5J x 17 light alloy          | 7.5J x 17 light alloy       |

|                      |          |        | BMW 216d            | BMW 218d               | BMW 218d xDrive        |
|----------------------|----------|--------|---------------------|------------------------|------------------------|
|                      |          |        |                     |                        |                        |
| Transmission         |          |        |                     |                        |                        |
| Type of transmission | 1        |        | Six-speed manual    | Six-speed manual       | Six-speed manual       |
|                      |          | (op    | tional: seven-speed | (optional: eight-speed | (optional: eight-speed |
|                      |          |        | DCT)                | Steptronic)            | Steptronic)            |
| Gear ratios          | I        | :1     | 3.923 (16.385)      | 3.923 (5.519)          | 3.539 (5.519)          |
|                      | II       | :1     | 2.136 (9.664)       | 2.136 (3.184)          | 1.923 (3.184)          |
|                      | III      | :1     | 1.276 (6.181)       | 1.276 (2.050)          | 1.219 (2.050)          |
|                      | IV       | :1     | 0.921 (4.327)       | 0.919 (1.492)          | 0.881 (1.492)          |
|                      | V        | :1     | 0.756 (3.349)       | 0.725 (1.235)          | 0.810 (1.235)          |
|                      | VI       | :1     | 0.628 (2.663)       | 0.605 (1.000)          | 0.674 (1.000)          |
|                      | VII      | :1     | (2.158)             | (0.801)                | (0.801)                |
|                      | VII      | :1     |                     | (0.673)                | (0.673)                |
|                      | R        | :1     | 3.538 (14.898)      | 3.538 (4.221)          | 3.831 (4.221)          |
| Performance          |          |        |                     |                        |                        |
| Power-to-weight rati | 0        | kg/kW  | 17.4 (17.6)         | 13.8 (14.0)            | 14.5 (14.6)            |
| Output per litre     |          | kW/ltr | 56.8                | 55.1                   | 55.1                   |
| 0–100 km/h           |          | sec    | 11.5 (11.5)         | 9.4 (9.4)              | 9.1 (9.4)              |
| In 5th gear 80–1     | 120 km/h | sec    | 12.5                | 9.4 (-)                | 9.3 (–)                |
| Top speed            |          | km/h   | 192 (192)           | 205 (207)              | 205 (205)              |

#### BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, tyres with reduced rolling resistance

| Fuel Consumption EC | <b>E</b> <sup>2)</sup> |               |                   |           |
|---------------------|------------------------|---------------|-------------------|-----------|
| Urban               | ltr/100 km             | 4.9 (4.7)     | 5.4–5.2 (5.3–5.2) | 5.9 (5.4) |
| Extra-urban         | ltr/100 km             | 4.1 (4.3)     | 4.2-4.1 (4.4-4.2) | 4.8 (4.5) |
| Combined            | ltr/100 km             | 4.4 (4.5–4.4) | 4.6-4.6 (4.7-4.6) | 5.2 (4.8) |
| CO <sub>2</sub>     | g/km                   | 116 (117–117) | 121-120 (125-121) | 137 (127) |
| Emission rating     | -                      | EU6           | EU6               | EU6       |

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

 $<sup>^{11}</sup>$  Oil change  $^{21}$  The fuel consumption,  $CO_2$  emissions and operating range figures were determined according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different size of the selected wheels and tires. The values are already based on the new WLTP regulation and are translated back into NEDC-equivalent values in order to ensure the comparison between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on  $CO_2$  emissions, the  $CO_2$  values may differ to the values stated here (depending on national legislation). The  $CO_2$  efficiency specifications are determined according to Directive 1999/94/EC and the Pkw-EnVKV, and based (for classification) on the fuel consumption and  $CO_2$  values as per the NEDC.

## The BMW Series 2 Gran Tourer. 220d, 220d xDrive.

|   |  | BMW 220d  | BMW 220d xDrive        |  |  |
|---|--|---|------------------------|--|--|
| D. d.                                       |  |   |                        |  |  |
| Body No of doors/seats                      |  | 5/5   | 5/5                    |  |  |
|   | mm   | 4568/1800/1608  | 4568/1800/1608         |  |  |
| Length/width/height (unladen) Wheelbase     | mm   | 2780  |                        |  |  |
| Track, front/rear                           | mm   | 1557/1558   | 2780<br>1557/1558      |  |  |
| Ground clearance                            | mm   | 165   | 165                    |  |  |
|   | mm   | 11.7  | 11.7                   |  |  |
| Turning circle                              | m ltr  | 51  | 51                     |  |  |
| Fuel tank capacity Engine oil <sup>1)</sup> | app. ltr<br>ltr  | 5.5   | 5.5                    |  |  |
| Weight, unladen, to DIN/EU                  |  | 1555/1630   | 1615/1690              |  |  |
| Max load to DIN                             | kg<br>kg   | 630   | 630                    |  |  |
| Max permissible weight                      |  | 2220  | 2280                   |  |  |
| Max axle load, front/rear                   | kg<br>kg   | 1125/1100   | 1145/1140              |  |  |
| Max trailer load,                           |  | 1500/750  | 1600/750               |  |  |
| Braked (12%)/unbraked                       | kg   | 1500/750  | 1600//30               |  |  |
| Max roofload/max towbar                     | ka   | 75/75   | 75/75                  |  |  |
| download                                    | kg   | 13113   | 73173                  |  |  |
| Luggage comp capacity                       | ltr  | 645–1905  | 645–1905               |  |  |
| Air resistance                              | Cd x A   | 0.30 x 2.45   | 0.31 x 2.45            |  |  |
|   |  |   |                        |  |  |
| Power Unit Config/No of cyls/valves         |  | In-line/4/4   | In-line/4/4            |  |  |
| Engine technology                           |  | ווויפות אינים ווויפות אינים ווויפות אינים ווויפות אינים ווויפות ווויפות אינים וווויפות אינים ווויפות אוויפות אינים ווויפות אינים ווויפות אינים ווויפות אינים ווויפות אינים ווויפות איני |                        |  |  |
|   |  | turbocharger, common-rail direct injection with so  | lenoid valve injectors |  |  |
| Effective capacity                          | CC   | 1995  | 1995                   |  |  |
| 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  | 140/190   | 140/190                |  |  |
| at  | rpm  | 4000  | 4000                   |  |  |
| Max torque                                  | Nm/lb-ft   | 400/295   | 400/295                |  |  |
| at  | rpm  | 1750–2500   | 1750–2500              |  |  |
| Electrical System                           |  |   |                        |  |  |
| Battery / installation                      | Ah/–   | 70/ Engine compartment  | 70/ Engine compartment |  |  |
| Driving Dynamics and Safe                   | ity  |   |                        |  |  |
| Suspension, front                           | Ly   | Single-joint spring-strut axle in lightweight st  | ool construction       |  |  |
| Suspension, rear                            |  | Central-arm axle in lightweight consi   |                        |  |  |
| Brakes, front                               |  | Single-piston floating-calliper disc brake  |                        |  |  |
| Brakes, rear                                |  | Single-piston floating-calliper disc branch   |                        |  |  |
| Driving stability systems                   | Ç.   | tandard: DSC incl. ABS and DTC (Dynamic Traction  |                        |  |  |
| Driving stability systems                   |  | Brake Control), DBC (Dynamic Brake Control), Dry E  |                        |  |  |
|   | Compensation, Start-Off Assistant; DSC networked with xDrive all-wheel-drive         |   |                        |  |  |
|   | system (220d xDrive), Drive Performance Control;                                     |   |                        |  |  |
|   |  | optional: Dynamic Damper Con  |                        |  |  |
| Safety equipment                            | St   | tandard: airbags for driver and front passenger, side a   |                        |  |  |
|   | passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts |   |                        |  |  |
|   |  | on all seats with belt stopper, belt latch tensioner  | •                      |  |  |
|   |  | at the front seats  |                        |  |  |
| Steering                                    |  | Electric Power Steering (EPS)   | );                     |  |  |
| J   |  | optional: Servotronic function  |                        |  |  |
| Steering ratio, overall                     | :1   | 16.0  | 16.0                   |  |  |
| Tyres, front/rear                           |  | 205/55 R17 95W  | 205/55 R17 95W         |  |  |
| Rims, front/rear                            |  | 7.5J x 17 light alloy   | 7.5J x 17 light alloy  |  |  |
|   |  |   | <u> </u>               |  |  |

|   |                          | BMW 220d   | BMW 220d xDrive  |
|---|--------------------------|--|--|
| Transmission                            |                          |  |  |
| Type of transmission                    |                          | Eight-speed Steptronic   | Eight-speed Steptronic   |
| Gear ratios                             | 1 .                      | 1 5.519  | 5.519  |
| acui ratios                             |                          | 1 3.184  | 3.184  |
|   |                          | 1 2.050  | 2.050  |
|   |                          | 1 1.492  | 1.492  |
|   |                          | 1 1.235  | 1,235  |
|   | VI :                     | 1 1.000  | 1.000  |
|   | VII :                    | 1 0.801  | 0.801  |
|   | VII :                    | 1 0.673  | 0.673  |
|   | R :                      | 1 4.221  | 4.221  |
| Performance                             |                          |  |  |
| Power-to-weight ratio                   | kg/k\                    | V 11.1   | 11.5   |
| Output per litre                        | kW/l                     | tr 70.2  | 70.2   |
| 0–100 km/h                              | se                       | c 8.0  | 7.8  |
| In 5th gear 80–120 km/h                 | SE                       | с –  | _  |
| Top speed                               | km/                      | h 220  | 218  |
| BMW EfficientDynamic                    | S                        |  |  |
| BMW EfficientDynamics standard features |                          | Steering (EPS), Auto Start Stop functi<br>intelligent lightweight construction,<br>demand operation of ancillary units | recuperation display, Electric Power<br>on, ECO PRO mode, coasting function,<br>optimised aerodynamic attributes, on-<br>s, map-regulated oil pump, tyres with<br>ing resistance |
| Fuel Consumption ECE                    | 2)                       |  |  |
| 114                                     | 11.14.00 1               |  |  |
| Urban                                   | ltr/100 kr               |  | 5.4  |
| Extra-urban Combined                    | ltr/100 kr<br>ltr/100 kr |  | 4.6<br>4.9–4.8   |
|   |                          |  |  |
| CO <sub>2</sub>                         | g/kr                     | m 122–121<br>FU6   | 129–128<br>EU6   |
| Emission rating                         |                          | EUb  | EU6  |

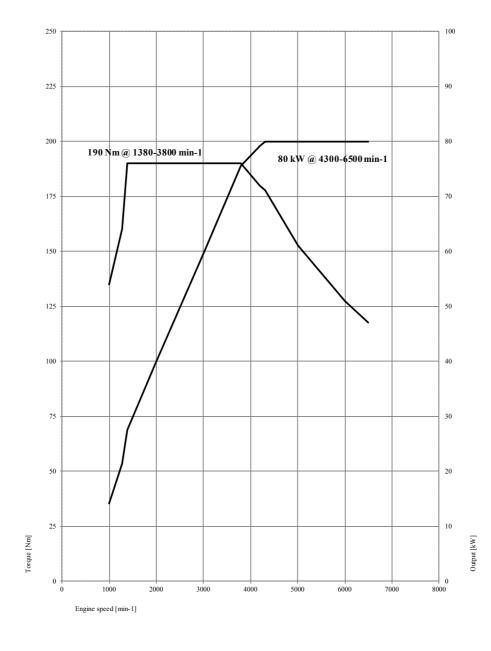
 $Specifications\ apply\ to\ ACEA\ markets/data\ relevant\ to\ homologation\ apply\ in\ part\ only\ to\ Germany\ (weight)$ 

<sup>&</sup>lt;sup>1)</sup> Oil change
<sup>2)</sup> The fuel consumption, CO<sub>2</sub> emissions and operating range figures were determined according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different size of the selected wheels and tires. The values are already based on the new WLTP regulation and are translated back into NEDC-equivalent values in order to ensure the comparison between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ to the values stated here (depending on national legislation). The CO<sub>2</sub> efficiency specifications are determined according to Directive 1999/94/EC and the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO<sub>2</sub> values as per the NEDC.

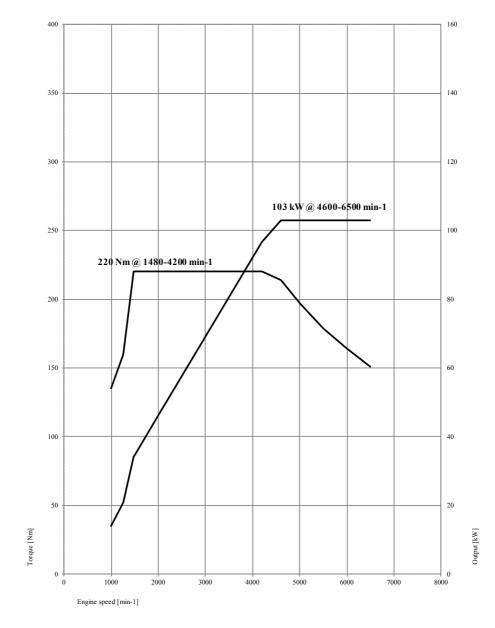
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#### Output and torque diagrams. The BMW Series 2 Gran Tourer. 216i

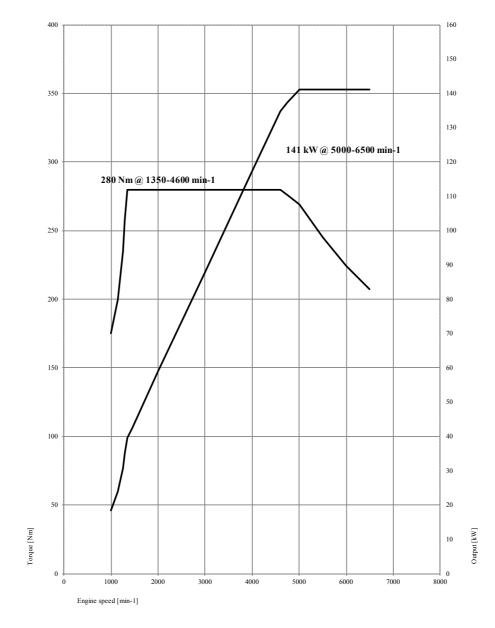




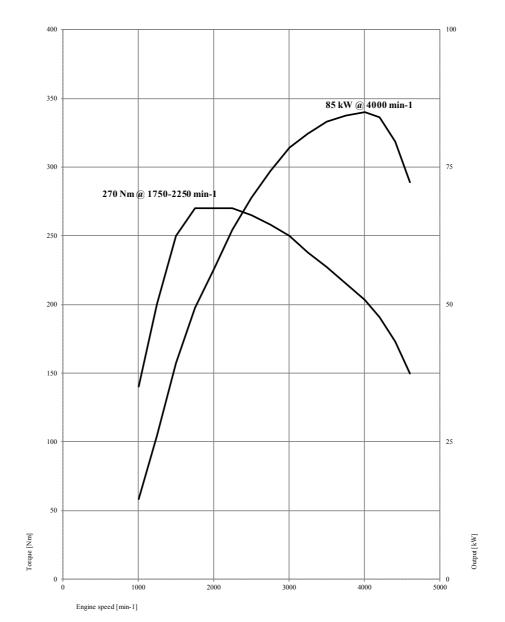
#### The BMW Series 2 Gran Tourer. 218i



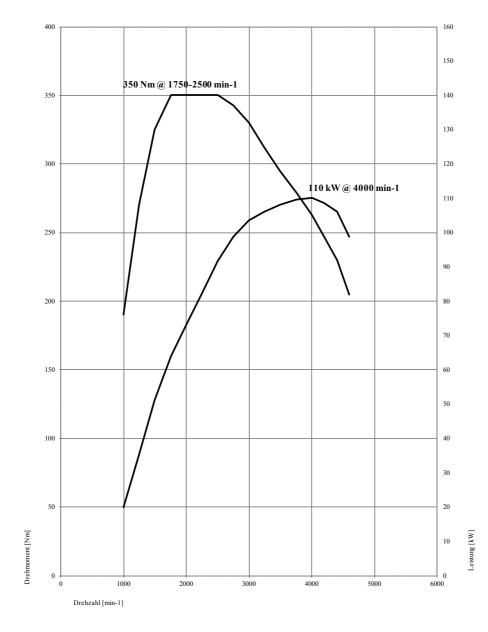
#### The BMW Series 2 Gran Tourer. 220i



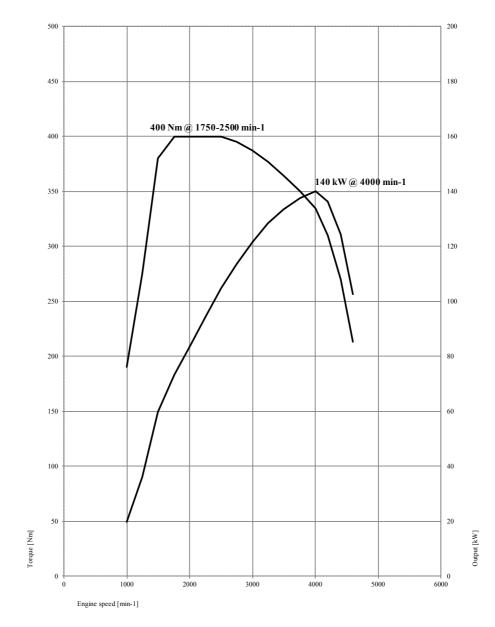
## The BMW Series 2 Gran Tourer. 216d.



#### The BMW Series 2 Gran Tourer. 218d.



#### The BMW Series 2 Gran Tourer. 220d.



#### **Exterior and interior dimensions.** The BMW Series 2 Gran Tourer.



