

# Specifications.

## BMW 4 Series Gran Coupe.

### 418d



| BMW 418d Gran Coupe                             |                    |  |
|---|--------------------|--|
| <b>Body</b>                                     |                    |  |
| No. of doors/seats                              |                    | 4 / 5  |
| Length/width/height <sup>1)</sup> (unladen)     | mm                 | 4638 / 1825 / 1389   |
| Wheelbase                                       | mm                 | 2810   |
| Front/rear track                                | mm                 | 1557 / 1605  |
| Ground clearance                                | mm                 | 130  |
| Turning circle                                  | m                  | 11.3   |
| Fuel capacity                                   | approx. l          | 57   |
| Engine oil capacity <sup>2)</sup>               | l                  | 5.0  |
| Weight, unladen (DIN/EU)                        | kg                 | 1510 / 1585<br>(1530 / 1605)   |
| Payload (DIN)                                   | kg                 | 560  |
| Permitted total weight                          | kg                 | 2070 (2090)  |
| Permitted axle load, front/rear                 | kg                 | 935 / 1215   |
| Permitted trailer load (12%)<br>braked/unbraked | kg                 | 1600 / 745   |
| Permitted roof load/trailer download            | kg                 | 75 / 75  |
| Luggage compartment capacity                    | l                  | 480 – 1300   |
| Aerodynamic drag                                | c <sub>c</sub> x A | 0.27 x 2.16  |
| <b>Engine</b>                                   |                    |  |
| Type/no. of cylinders/valves                    |                    | in-line / 4 / 4  |
| Engine technology                               |                    | BMW TwinPower Turbo technology: variable-geometry turbocharger,<br>common-rail direct fuel injection with magnetic valve injectors,<br>max. injection pressure: 2000 bar   |
| Effective capacity                              | cc                 | 1995   |
| Stroke/bore                                     | mm                 | 90.0 / 84.0  |
| Compression ratio                               | :1                 | 16.5   |
| Fuel type                                       |                    | Diesel   |
| Output  | kW/hp              | 110 / 150  |
| at rpm  | min <sup>-1</sup>  | 4000   |
| Torque  | Nm                 | 320  |
| at rpm  | min <sup>-1</sup>  | 1500 – 3000  |
| <b>Electrical</b>                               |                    |  |
| Battery charge/location                         | Ah/–               | 90 / luggage compartment   |
| Alternator current/output                       | A/W                | 150 / 2100   |
| <b>Driving Dynamics and Safety</b>              |                    |  |
| Front suspension                                |                    | Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive   |
| Rear suspension                                 |                    | Five-link axle in lightweight steel construction   |
| Front brakes                                    |                    | Single-piston floating-calliper disc brakes, vented  |
| Rear brakes                                     |                    | Single-piston floating-calliper disc brakes, vented  |
| Driving stability systems                       |                    | Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant   |
| Safety equipment                                |                    | Standard: driver and front-seat passenger airbags, driver and front-seat<br>passenger side airbags, head airbags front and rear, three-point automatic<br>seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front<br>seats, crash sensors, tyre pressure indicator |
| Steering  |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function, optional: Variable Sport Steering   |
| Overall steering ratio                          | :1                 | 15.1   |
| Front/rear tyres                                |                    | 205/60 R16 92V   |
| Front/rear wheels                               |                    | 7J x 16 light-alloy  |

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#### Transmission

|                    |   |    |               |
|--------------------|---|----|---------------|
| Type of gearbox    | 6-speed manual (optional: 8-speed Steptronic) |    |               |
| Gear ratios        | I   | :1 | 4.002 (5.000) |
|                    | II  | :1 | 2.130 (3.200) |
|                    | III   | :1 | 1.396 (2.143) |
|                    | IV  | :1 | 1.000 (1.720) |
|                    | V   | :1 | 0.781 (1.314) |
|                    | VI  | :1 | 0.668 (1.000) |
|                    | VII   | :1 | – (0.822)     |
|                    | VIII  | :1 | – (0.640)     |
|                    | R   | :1 | 3.647 (3.456) |
| Differential ratio |   | :1 | 3.231 (2.813) |

#### Performance

|  |             |       |             |
|--|-------------|-------|-------------|
| Weight-to-power ratio<br>(DIN unladen) |             | kg/kW | 13.7 (13.9) |
| Specific power output                  |             | kW/l  | 55.1        |
| Acceleration                           | 0–100 km/h  | sec.  | 9.0 (8.9)   |
| in 5th gear                            | 80–120 km/h | sec.  | 10.2 (–)    |
| Max. speed                             |             | km/h  | 213 (213)   |

#### BMW EfficientDynamics

|   |  |
|---|--|
| BMW EfficientDynamics Features included as standard | Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, detachable a/c compressor, differential with optimized warm-up behaviour, tyres with reduced rolling resistance |
|---|--|

#### Fuel consumption (EU) <sup>3)</sup>

|   |          |  |           |
|---|----------|--|-----------|
| with standard wheels and tyres  |          |  |           |
| Urban   | l/100 km |  | 5.0 (4.9) |
| Extra-urban   | l/100 km |  | 3.6 (3.6) |
| Total   | l/100 km |  | 4.1 (4.1) |
| CO <sub>2</sub> emissions   | g/km     |  | 109 (107) |
| with 7.5J x 17" rims and 225/50 R17 tyres   |          |  |           |
| Urban   | l/100 km |  | 5.2 (5.1) |
| Extra-urban   | l/100 km |  | 3.8 (3.8) |
| Combined  | l/100 km |  | 4.3 (4.3) |
| CO <sub>2</sub> emissions   | g/km     |  | 114 (112) |
| with 8J x 18" rims and 225/45 R18 tyres,<br>with 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres,<br>with 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres |          |  |           |
| Urban   | l/100 km |  | 5.4 (5.3) |
| Extra-urban   | l/100 km |  | 3.9 (3.9) |
| Combined  | l/100 km |  | 4.5 (4.4) |
| CO <sub>2</sub> emissions   | g/km     |  | 118 (116) |
| Emissions standard  |          |  | EU6       |

Technical data valid for ACEA countries/Some permitted weights valid only for Germany  
Figures in brackets are for vehicles with automatic transmission

<sup>1)</sup> Height including roof aerial: 1397 mm

<sup>2)</sup> Oil change volume

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