

# Specifications.

## BMW 4 Series Gran Coupe.

### 435i xDrive



#### BMW 435i xDrive Gran Coupe

#### Body

|                                               |                    |                              |
|-----------------------------------------------|--------------------|------------------------------|
| No. of doors/seats                            |                    | 4 / 5                        |
| Length/width/height <sup>1)</sup> (unladen)   | mm                 | 4638 / 1825 / 1404           |
| Wheelbase                                     | mm                 | 2810                         |
| Front/rear track                              | mm                 | 1544 / 1590                  |
| Ground clearance                              | mm                 | 145                          |
| Turning circle                                | m                  | 11.8                         |
| Fuel capacity                                 | approx. l          | 60                           |
| Cooling and heating system reservoir capacity | l                  | 6.7 (7.2)                    |
| Engine oil capacity <sup>1)</sup>             | l                  | 6.5                          |
| Weight, unladen (DIN/EU)                      | kg                 | 1640 / 1715<br>(1650 / 1725) |
| Payload (DIN)                                 | kg                 | 560                          |
| Permitted total weight                        | kg                 | 2200 (2210)                  |
| Permitted axle load, front/rear               | kg                 | 1040 / 1220                  |
| Permitted trailer load (12%) braked/unbraked  | kg                 | 1800 / 750                   |
| Permitted roof load/trailer download          | kg                 | 75 / 75                      |
| Luggage compartment capacity                  | l                  | 480 – 1300                   |
| Aerodynamic drag                              | c <sub>x</sub> x A | 0.30 x 2.16                  |

#### Engine

|                              |                   |                                                                                                                                                                             |
|------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type/no. of cylinders/valves |                   | in-line / 6 / 4                                                                                                                                                             |
| Engine technology            |                   | BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control |
| Effective capacity           | cc                | 2979                                                                                                                                                                        |
| Stroke/bore                  | mm                | 89.6 / 84.0                                                                                                                                                                 |
| Compression ratio            | :1                | 10.2                                                                                                                                                                        |
| Fuel type                    |                   | min. RON 91                                                                                                                                                                 |
| Output                       | kW/hp             | 225 / 306                                                                                                                                                                   |
| at rpm                       | min <sup>-1</sup> | 5800 – 6400                                                                                                                                                                 |
| Torque                       | Nm                | 400                                                                                                                                                                         |
| at rpm                       | min <sup>-1</sup> | 1200 – 5000                                                                                                                                                                 |

#### Electrical

|                           |      |                          |
|---------------------------|------|--------------------------|
| Battery charge/location   | Ah/– | 90 / luggage compartment |
| Alternator current/output | A/W  | 170 / 2380               |

#### Driving Dynamics and Safety

|                           |                                                                                                                                                                                                                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, inner-vented                                                                                                                                                                                                                                            |
| Rear brakes               | Single-piston floating-calliper disc brakes, inner-vented                                                                                                                                                                                                                                            |
| Driving stability systems | Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); optional: Adaptive Suspension |
| Safety equipment          | Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags for front and rear seats, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator        |
| Steering                  | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering                                                                                                                                                                                  |
| Overall steering ratio    | :1 15.2                                                                                                                                                                                                                                                                                              |
| Front/rear tyres          | 225/50 R17 94W                                                                                                                                                                                                                                                                                       |
| Front/rear wheels         | 7,5J x 17 light-alloy                                                                                                                                                                                                                                                                                |

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#### Transmission

|                    |                                               |    |               |
|--------------------|-----------------------------------------------|----|---------------|
| Type of gearbox    | 6-speed manual (optional: 8-speed Steptronic) |    |               |
| Gear ratios        | I                                             | :1 | 4.110 (4.714) |
|                    | II                                            | :1 | 2.315 (3.143) |
|                    | III                                           | :1 | 1.542 (2.106) |
|                    | IV                                            | :1 | 1.179 (1.667) |
|                    | V                                             | :1 | 1.000 (1.285) |
|                    | VI                                            | :1 | 0.846 (1.000) |
|                    | VII                                           | :1 | – (0.839)     |
|                    | VIII                                          | :1 | – (0.667)     |
|                    | R                                             | :1 | 3.727 (3.295) |
| Differential ratio |                                               | :1 | 3.231 (3.154) |

#### Performance

|                                        |             |      |               |
|----------------------------------------|-------------|------|---------------|
| Weight-to-power ratio<br>(DIN unladen) | kg/kW       |      | 7.3 (7.3)     |
| Specific power output                  | kW/l        |      | 75.5          |
| Acceleration                           | 0–100 km/h  | sec. | 5.3 (5.0)     |
|                                        | 0–1,000 m   | sec. | <sup>3)</sup> |
| in 5th gear                            | 80–120 km/h | sec. | 6.5 (–)       |
| Max. speed                             | km/h        |      | 250 (250)     |

#### 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 (manual), ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised rear differential and power divider, tyres with reduced rolling resistance |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Fuel consumption (EU) <sup>4)</sup>

|                                                                                                                                                                                                                                                                    |          |  |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|-------------|
| With standard wheels and tyres                                                                                                                                                                                                                                     |          |  |             |
| Urban                                                                                                                                                                                                                                                              | l/100 km |  | 11.7 (11.1) |
| Extra-urban                                                                                                                                                                                                                                                        | l/100 km |  | 6.4 (5.8)   |
| Total                                                                                                                                                                                                                                                              | l/100 km |  | 8.3 (7.8)   |
| CO <sub>2</sub> emissions                                                                                                                                                                                                                                          | g/km     |  | 194 (181)   |
| With 8J x 18" rims and 225/45 R18 tyres and winter 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 |  | 11.9 (11.4) |
| Extra-urban                                                                                                                                                                                                                                                        | l/100 km |  | 6.5 (5.9)   |
| Combined                                                                                                                                                                                                                                                           | l/100 km |  | 8.5 (7.9)   |
| CO <sub>2</sub> emissions                                                                                                                                                                                                                                          | g/km     |  | 198 (185)   |
| 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 with roof aerial: 1412 mm

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

<sup>3)</sup> Data not yet available

<sup>4)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format