

# Specifications.

## The BMW 4 Series Convertible.

### 428i, 435i.



| BMW 428i Convertible                      |                                                                                                                                                                                                                                                                                                          | BMW 435i Convertible     |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Body</b>                               |                                                                                                                                                                                                                                                                                                          |                          |
| No of doors/seats                         | 2/4                                                                                                                                                                                                                                                                                                      | 2/4                      |
| Length/width/height (unladen)             | mm 4638/1825/1384                                                                                                                                                                                                                                                                                        | 4638/1825/1384           |
| Wheelbase                                 | mm 2810                                                                                                                                                                                                                                                                                                  | 2810                     |
| Track, front/rear                         | mm 1545/1594                                                                                                                                                                                                                                                                                             | 1545/1594                |
| Ground clearance                          | 130                                                                                                                                                                                                                                                                                                      | 130                      |
| Turning circle                            | m 11,3                                                                                                                                                                                                                                                                                                   | 11,3                     |
| Fuel tank capacity                        | Approx. 60                                                                                                                                                                                                                                                                                               | 60                       |
| Cooling system incl heater                | litr 8,2 (9,1)                                                                                                                                                                                                                                                                                           | 6,7 (7,2)                |
| Engine oil <sup>1)</sup>                  | litr 5,0                                                                                                                                                                                                                                                                                                 | 6,5                      |
| Weight, unladen, to DINEU                 | kg 1680/1755<br>(1700/1775)                                                                                                                                                                                                                                                                              | 1740/1815<br>(1750/1825) |
| Max load to DIN                           | kg 460                                                                                                                                                                                                                                                                                                   | 460                      |
| Max permissible weight                    | kg 2140 (2160)                                                                                                                                                                                                                                                                                           | 2220 (2210)              |
| Max axle load, front/rear                 | kg 960/1230                                                                                                                                                                                                                                                                                              | 1015/1230                |
| Max trailer load,<br>Braked (12%/unbraked | kg 1600/745                                                                                                                                                                                                                                                                                              | 1700/745                 |
| Max roofload/max towbar<br>downl          | kg --/75                                                                                                                                                                                                                                                                                                 | --/75                    |
| Luggage comp capacity                     | litr 220–370                                                                                                                                                                                                                                                                                             | 220–370                  |
| Air resistance                            | cX x A 0,30 x 2,16                                                                                                                                                                                                                                                                                       | 0,31 x 2,16              |
| <b>Power Unit</b>                         |                                                                                                                                                                                                                                                                                                          |                          |
| Config/No of cyls/valves                  | In-line/4/4                                                                                                                                                                                                                                                                                              | In-line/6/4              |
| Engine technology                         | BMW TwinPower Turbo technology with variable-geometry turbocharger,<br>High Precision Direct Injection                                                                                                                                                                                                   |                          |
| Effective capacity                        | cc 1997                                                                                                                                                                                                                                                                                                  | 2979                     |
| Stroke/bore                               | mm 90,1/84,0                                                                                                                                                                                                                                                                                             | 89,6/84,0                |
| Compression ratio                         | :1 10,0                                                                                                                                                                                                                                                                                                  | 10,2                     |
| Fuel                                      | min. RON 91                                                                                                                                                                                                                                                                                              | min. RON 91              |
| Max output                                | kW/hp 180/245                                                                                                                                                                                                                                                                                            | 225/306                  |
| at                                        | rpm 5000–6500                                                                                                                                                                                                                                                                                            | 5800–6400                |
| Max torque                                | Nm/lb-ft 350                                                                                                                                                                                                                                                                                             | 400                      |
| at                                        | rpm 1250–4800                                                                                                                                                                                                                                                                                            | 1200–5000                |
| <b>Electrical System</b>                  |                                                                                                                                                                                                                                                                                                          |                          |
| Battery / installation                    | Ah/– 90/ Luggage compartment                                                                                                                                                                                                                                                                             | 90/ Luggage compartment  |
| Alternator                                | AW 170/n.b.                                                                                                                                                                                                                                                                                              | 210/n.b.                 |
| <b>Driving Dynamics and Safety</b>        |                                                                                                                                                                                                                                                                                                          |                          |
| Suspension, front                         | Aluminium double-joint spring strut axle with displaced camber                                                                                                                                                                                                                                           |                          |
| Suspension, rear                          | Five-link axle in lightweight construction                                                                                                                                                                                                                                                               |                          |
| Brakes, front                             | Single-piston floating-calliper disc brakes / vented                                                                                                                                                                                                                                                     |                          |
| Brakes, rear                              | Single-piston floating-calliper disc brakes / vented                                                                                                                                                                                                                                                     |                          |
| Driving stability systems                 | Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering<br>Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading<br>Compensation, Start-Off Assistant, optional: Dynamic Suspension Control,<br>Performance Control                                               |                          |
| Safety equipment                          | Standard: airbags for driver and front passenger, side airbags for driver and front<br>passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts<br>on all seats with belt latch tensioner and belt force limiter at the front seats, crash<br>sensors, tyre defect indicator |                          |
| Steering                                  | Electric Power Steering (EPS), Servotronic Function<br>optional: Variable Sport Steering                                                                                                                                                                                                                 |                          |
| Steering ratio, overall                   | :1 15,0                                                                                                                                                                                                                                                                                                  | 15,0                     |
| Tyres, front/rear                         | 225/50 R17 94W                                                                                                                                                                                                                                                                                           | 225/50 R17 94W           |
| Rims, front/rear                          | 7,5J x 17 light alloy                                                                                                                                                                                                                                                                                    | 7,5J x 17 light alloy    |

| BMW 428i Convertible                    |             |                                                                                                                                                                                                                                                                                                                        | BMW 435i Convertible |               |
|-----------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|
| Transmission                            |             |                                                                                                                                                                                                                                                                                                                        |                      |               |
| Type of transmission                    |             | 6-speed manual (optional: eight-speed Steptronic)                                                                                                                                                                                                                                                                      |                      |               |
| Gear ratios                             | I           | :1                                                                                                                                                                                                                                                                                                                     | 3,683 (4,714)        | 4,110 (4,714) |
|                                         | II          | :1                                                                                                                                                                                                                                                                                                                     | 2,062 (3,143)        | 2,248 (3,143) |
|                                         | III         | :1                                                                                                                                                                                                                                                                                                                     | 1,313 (2,106)        | 1,403 (2,106) |
|                                         | IV          | :1                                                                                                                                                                                                                                                                                                                     | 1,000 (1,667)        | 1,000 (1,667) |
|                                         | V           | :1                                                                                                                                                                                                                                                                                                                     | 0,809 (1,285)        | 0,802 (1,285) |
|                                         | VI          | :1                                                                                                                                                                                                                                                                                                                     | 0,677 (1,000)        | 0,659 (1,000) |
|                                         | VII         | :1                                                                                                                                                                                                                                                                                                                     | --- (0,839)          | --- (0,839)   |
|                                         | VII         | :1                                                                                                                                                                                                                                                                                                                     | --- (0,667)          | --- (0,667)   |
|                                         | R           | :1                                                                                                                                                                                                                                                                                                                     | 3,348 (3,295)        | 3,727 (3,295) |
| Final drive                             |             | :1                                                                                                                                                                                                                                                                                                                     | 3,909 (3,154)        | 3,231 (3,154) |
| Performance                             |             |                                                                                                                                                                                                                                                                                                                        |                      |               |
| Power-to-weight ratio                   | kg/kW       |                                                                                                                                                                                                                                                                                                                        | 9,3 (9,4)            | 7,7 (7,8)     |
| Output per litre                        | kW/ltr      |                                                                                                                                                                                                                                                                                                                        | 90,1                 | 75,5          |
| 0–100 km/h                              | sec         |                                                                                                                                                                                                                                                                                                                        | 6,4 (6,4)            | 5,6 (5,5)     |
| Standing-start km                       | sec         |                                                                                                                                                                                                                                                                                                                        | 26,2 (26,5)          | 24,9 (24,9)   |
| In 4th/5th gear                         | 80–120 km/h | sec                                                                                                                                                                                                                                                                                                                    | 6,1/7,9 (–)          | 5,6/6,8 (–)   |
| Top speed                               | km/h        |                                                                                                                                                                                                                                                                                                                        | 250 (250)            | 250 (250)     |
| BMW EfficientDynamics                   |             |                                                                                                                                                                                                                                                                                                                        |                      |               |
| BMW EfficientDynamics standard features |             | Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance |                      |               |
| Fuel Consumption ECE <sup>2)</sup>      |             |                                                                                                                                                                                                                                                                                                                        |                      |               |
| With standard tyres                     |             |                                                                                                                                                                                                                                                                                                                        |                      |               |
| Urban                                   | ltr/100 km  |                                                                                                                                                                                                                                                                                                                        | 8,8 (8,6)            | 11,4 (10,8)   |
| Extra-urban                             | ltr/100 km  |                                                                                                                                                                                                                                                                                                                        | 5,7 (5,5)            | 6,2 (5,6)     |
| Combined                                | ltr/100 km  |                                                                                                                                                                                                                                                                                                                        | 6,8 (6,6)            | 8,1 (7,5)     |
| CO <sub>2</sub>                         | g/km        |                                                                                                                                                                                                                                                                                                                        | 159 (154)            | 190 (176)     |
| Emission rating                         |             |                                                                                                                                                                                                                                                                                                                        | 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>1)</sup> Oil change

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