

# Specifications.

## BMW 5 Series Touring.

### 520i.



| BMW 520i Touring                            |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.05                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 68                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 5.25                                                                                                                                                                                                                                                                                                        |
| Weight, unladen, to DIN/EU                  | kg                 | 1635 / 1710                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 715                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2350                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1055 / 1400                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.28 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 4 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: twin scroll turbocharger,<br>High Precision Injection, VALVETRONIC fully variable valve timing,<br>Double-VANOS variable camshaft timing                                                                                                                                    |
| Effective capacity                          | cm <sup>3</sup>    | 1998                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 94.6 / 82.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 10.2                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | min RON 91                                                                                                                                                                                                                                                                                                  |
| Output                                      | kW/hp              | 135 / 184                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 5000 – 6500                                                                                                                                                                                                                                                                                                 |
| Torque                                      | Nm                 | 290                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 1350 – 4250                                                                                                                                                                                                                                                                                                 |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant; optional: Adaptive<br>Suspension, Adaptive Drive                                                                 |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 520i Touring                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
|-----------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.250     |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.360     |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.172     |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.720     |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.316     |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.000     |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.822     |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.640     |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.712     |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.813     |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Power-to-weight ratio (DIN)             | kg/kW      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12.1      |
| Output per litre                        | kW/l       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 67.6      |
| Acceleration 0–100 km/h                 | s          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8.2       |
| Top speed                               | km/h       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 225       |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance |           |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Urban                                   | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7.4 – 7.3 |
| Extra-urban                             | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.6 – 5.3 |
| Combined                                | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.3 – 6.1 |
| CO <sub>2</sub>                         | g/km       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 143 – 138 |
| Emission rating                         | EU6d-TEMP  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 530i.

| BMW 530i Touring                            |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.05                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 68                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 5.25                                                                                                                                                                                                                                                                                                        |
| Weight, unladen, to DIN/EU                  | kg                 | 1640 / 1715                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 720                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2360                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1065 / 1410                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.29 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 4 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: twin scroll turbocharger,<br>High Precision Injection, VALVETRONIC fully variable valve timing,<br>Double-VANOS variable camshaft timing                                                                                                                                    |
| Effective capacity                          | cm <sup>3</sup>    | 1998                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 94.6 / 82.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 10.2                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | min RON 91                                                                                                                                                                                                                                                                                                  |
| Output                                      | kW/hp              | 185 / 252                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 5200 – 6500                                                                                                                                                                                                                                                                                                 |
| Torque                                      | Nm                 | 350                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 1450 – 4800                                                                                                                                                                                                                                                                                                 |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant; optional: Adaptive<br>Suspension, Adaptive Drive                                                                 |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 530i Touring                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
|-----------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.250     |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.360     |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.172     |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.720     |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.316     |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.000     |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.822     |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.640     |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.712     |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.813     |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8.9       |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 92.6      |
| Acceleration 0–100 km/h                 |            | s                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.4       |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 250       |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance |           |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |
| Urban                                   | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8.0 – 7.3 |
| Extra-urban                             | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.4 – 5.4 |
| Combined                                | ltr/100 km |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.3 – 6.1 |
| CO <sub>2</sub>                         | g/km       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 144 – 139 |
| Emission rating                         | EU6d-TEMP  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 530i xDrive.

| BMW 530i xDrive Touring                     |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.22                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 68                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 5.25                                                                                                                                                                                                                                                                                                        |
| Weight, unladen, to DIN/EU                  | kg                 | 1700 / 1775                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 740                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2440                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1115 / 1425                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.28 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 4 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: twin scroll turbocharger,<br>High Precision Injection, VALVETRONIC fully variable valve timing,<br>Double-VANOS variable camshaft timing                                                                                                                                    |
| Effective capacity                          | cm <sup>3</sup>    | 1998                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 94.6 / 82.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 10.2                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | min RON 91                                                                                                                                                                                                                                                                                                  |
| Output                                      | kW/hp              | 185 / 252                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 5200 – 6500                                                                                                                                                                                                                                                                                                 |
| Torque                                      | Nm                 | 350                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 1450 – 4800                                                                                                                                                                                                                                                                                                 |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant, networked with xDrive all-<br>wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 530i xDrive Touring                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|
| Transmission                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |
| Type of gearbox                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8-speed Steptronic |           |
| Gear ratios                             | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 5.250     |
|                                         | II                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 3.360     |
|                                         | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | :1                 | 2.172     |
|                                         | IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 1.720     |
|                                         | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 1.316     |
|                                         | VI                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 1.000     |
|                                         | VII                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | :1                 | 0.822     |
|                                         | VIII                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | :1                 | 0.640     |
|                                         | R                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 3.712     |
| Final drive                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | :1                 | 2.813     |
| Performance                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |
| Power-to-weight ratio (DIN)             | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | 9.2       |
| Output per litre                        | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 92.6      |
| Acceleration 0–100 km/h                 | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | 6.3       |
| Top speed                               | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 250       |
| BMW EfficientDynamics                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |
| BMW EfficientDynamics standard features | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance |                    |           |
| Fuel consumption EU cycle               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |
| Urban                                   | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 8.3 – 8.2 |
| Extra-urban                             | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 6.2 – 5.9 |
| Combined                                | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 7.0 – 6.7 |
| CO <sub>2</sub>                         | g/km                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 159 – 153 |
| Emission rating                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    | EU6d-TEMP |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 540i xDrive.

| BMW 540i xDrive Touring                     |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.22                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 68                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 6.5                                                                                                                                                                                                                                                                                                         |
| Weight, unladen, to DIN/EU                  | kg                 | 1765 / 1840                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 730                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2495                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1185 / 1430                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.29 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 6 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: twin scroll turbocharger,<br>High Precision Injection, VALVETRONIC fully variable valve timing,<br>Double-VANOS variable camshaft timing                                                                                                                                    |
| Effective capacity                          | cm <sup>3</sup>    | 2998                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 94.6 / 82.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 11.0                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | min RON 91                                                                                                                                                                                                                                                                                                  |
| Output                                      | kW/hp              | 250 / 340                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 5500 – 6500                                                                                                                                                                                                                                                                                                 |
| Torque                                      | Nm                 | 450                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 1380 – 5200                                                                                                                                                                                                                                                                                                 |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant, networked with xDrive all-<br>wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 540i xDrive Touring                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|
| Transmission                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |
| Type of gearbox                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8-speed Steptronic |             |
| Gear ratios                             | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 5.000       |
|                                         | II                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 3.200       |
|                                         | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | :1                 | 2.143       |
|                                         | IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 1.720       |
|                                         | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 1.314       |
|                                         | VI                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :1                 | 1.000       |
|                                         | VII                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | :1                 | 0.822       |
|                                         | VIII                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | :1                 | 0.640       |
|                                         | R                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :1                 | 3.456       |
| Final drive                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | :1                 | 2.929       |
| Performance                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |
| Power-to-weight ratio (DIN)             | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | 7.1         |
| Output per litre                        | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 83.4        |
| Acceleration 0–100 km/h                 | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | 5.1         |
| Top speed                               | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 250         |
| BMW EfficientDynamics                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |
| BMW EfficientDynamics standard features | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance |                    |             |
| Fuel consumption EU cycle               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |             |
| Urban                                   | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 10.6 – 10.0 |
| Extra-urban                             | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 6.6 – 6.6   |
| Combined                                | ltr/100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    | 8.0 – 7.8   |
| CO <sub>2</sub>                         | g/km                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | 183 – 178   |
| Emission rating                         | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |             |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 520d.

| BMW 520d Touring                            |                                                                                                                                                                                                                                                                                                   |                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Body</b>                                 |                                                                                                                                                                                                                                                                                                   |                       |
| No. of doors/seats                          |                                                                                                                                                                                                                                                                                                   | 5 / 5                 |
| Length/width/height <sup>1)</sup> (unladen) | mm                                                                                                                                                                                                                                                                                                | 4942 / 1868 / 1498    |
| Wheelbase                                   | mm                                                                                                                                                                                                                                                                                                | 2975                  |
| Track, front/rear                           | mm                                                                                                                                                                                                                                                                                                | 1605 / 1630           |
| Ground clearance                            | mm                                                                                                                                                                                                                                                                                                | 140                   |
| Turning circle                              | m                                                                                                                                                                                                                                                                                                 | 12.05                 |
| Tank capacity                               | approx. ltr                                                                                                                                                                                                                                                                                       | 66                    |
| Engine oil <sup>2)</sup>                    | ltr                                                                                                                                                                                                                                                                                               | 5.0                   |
| Weight, unladen, to DIN/EU                  | kg                                                                                                                                                                                                                                                                                                | 1685 / 1760           |
| Max. load to DIN                            | kg                                                                                                                                                                                                                                                                                                | 720                   |
| Max. permissible weight                     | kg                                                                                                                                                                                                                                                                                                | 2405                  |
| Max. axle load, front/rear                  | kg                                                                                                                                                                                                                                                                                                | 1080 / 1435           |
| Max. trailer load,<br>braked (12%/unbraked) | kg                                                                                                                                                                                                                                                                                                | 2000 / 750            |
| Max. roof load/towbar download              | kg                                                                                                                                                                                                                                                                                                | 100 / 90              |
| Luggage comp. capacity                      | ltr                                                                                                                                                                                                                                                                                               | 570 – 1700            |
| Air resistance                              | C <sub>d</sub> x A                                                                                                                                                                                                                                                                                | 0.27 x 2.35           |
| <b>Engine</b>                               |                                                                                                                                                                                                                                                                                                   |                       |
| Config./No. of cyls./valves                 |                                                                                                                                                                                                                                                                                                   | in-line / 4 / 4       |
| Engine technology                           | BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2000 bar)                                                                                                                          |                       |
| Effective capacity                          | cm <sup>3</sup>                                                                                                                                                                                                                                                                                   | 1995                  |
| Stroke/bore                                 | mm                                                                                                                                                                                                                                                                                                | 90.0 / 84.0           |
| Compression ratio                           | :1                                                                                                                                                                                                                                                                                                | 16.5                  |
| Fuel                                        |                                                                                                                                                                                                                                                                                                   | Diesel                |
| Output                                      | kW/hp                                                                                                                                                                                                                                                                                             | 140 / 190             |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 4000                  |
| Torque                                      | Nm                                                                                                                                                                                                                                                                                                | 400                   |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 1750 – 2500           |
| <b>Electrical System</b>                    |                                                                                                                                                                                                                                                                                                   |                       |
| Battery/Installation                        | Ah/–                                                                                                                                                                                                                                                                                              | 90 / luggage comp.    |
| <b>Driving Dynamics and Safety</b>          |                                                                                                                                                                                                                                                                                                   |                       |
| Suspension, front                           | Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                   |                       |
| Suspension, rear                            | Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling                                                                                                                                                                        |                       |
| Brakes, front                               | Four-piston fixed-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 Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension, Adaptive Drive                                                                |                       |
| 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 seats, crash sensors, Tyre Pressure Indicator |                       |
| Steering                                    | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering                                                                                                                                                                              |                       |
| Steering ratio, overall                     | :1                                                                                                                                                                                                                                                                                                | 16.3                  |
| Tyres, front/rear                           |                                                                                                                                                                                                                                                                                                   | 225/55 R17 97Y        |
| Rims, front/rear                            |                                                                                                                                                                                                                                                                                                   | 7.5J x 17 light-alloy |

| BMW 520d Touring                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.250 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.360 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.172 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.316 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.822 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.712 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.929 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12.0  |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7.6   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 225   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Urban                                   | ltr/100 km | 5.4 – 5.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Extra-urban                             | ltr/100 km | 4.6 – 4.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Combined                                | ltr/100 km | 4.9 – 4.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| CO <sub>2</sub>                         | g/km       | 128 – 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 520d xDrive.

| BMW 520d xDrive Touring                     |                                                                                                                                                                                                                                                                                                   |                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Body</b>                                 |                                                                                                                                                                                                                                                                                                   |                       |
| No. of doors/seats                          |                                                                                                                                                                                                                                                                                                   | 5 / 5                 |
| Length/width/height <sup>1)</sup> (unladen) | mm                                                                                                                                                                                                                                                                                                | 4942 / 1868 / 1498    |
| Wheelbase                                   | mm                                                                                                                                                                                                                                                                                                | 2975                  |
| Track, front/rear                           | mm                                                                                                                                                                                                                                                                                                | 1605 / 1630           |
| Ground clearance                            | mm                                                                                                                                                                                                                                                                                                | 140                   |
| Turning circle                              | m                                                                                                                                                                                                                                                                                                 | 12.22                 |
| Tank capacity                               | approx. ltr                                                                                                                                                                                                                                                                                       | 66                    |
| Engine oil <sup>2)</sup>                    | ltr                                                                                                                                                                                                                                                                                               | 5.0                   |
| Weight, unladen, to DIN/EU                  | kg                                                                                                                                                                                                                                                                                                | 1750 / 1825           |
| Max. load to DIN                            | kg                                                                                                                                                                                                                                                                                                | 730                   |
| Max. permissible weight                     | kg                                                                                                                                                                                                                                                                                                | 2480                  |
| Max. axle load, front/rear                  | kg                                                                                                                                                                                                                                                                                                | 1130 / 1455           |
| Max. trailer load,<br>braked (12%/unbraked) | kg                                                                                                                                                                                                                                                                                                | 2000 / 750            |
| Max. roof load/towbar download              | kg                                                                                                                                                                                                                                                                                                | 100 / 90              |
| Luggage comp. capacity                      | ltr                                                                                                                                                                                                                                                                                               | 570 – 1700            |
| Air resistance                              | C <sub>d</sub> x A                                                                                                                                                                                                                                                                                | 0.28 x 2.35           |
| <b>Engine</b>                               |                                                                                                                                                                                                                                                                                                   |                       |
| Config./No. of cyls./valves                 |                                                                                                                                                                                                                                                                                                   | in-line / 4 / 4       |
| Engine technology                           | BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2000 bar)                                                                                                                          |                       |
| Effective capacity                          | cm <sup>3</sup>                                                                                                                                                                                                                                                                                   | 1995                  |
| Stroke/bore                                 | mm                                                                                                                                                                                                                                                                                                | 90.0 / 84.0           |
| Compression ratio                           | :1                                                                                                                                                                                                                                                                                                | 16.5                  |
| Fuel                                        |                                                                                                                                                                                                                                                                                                   | Diesel                |
| Output                                      | kW/hp                                                                                                                                                                                                                                                                                             | 140 / 190             |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 4000                  |
| Torque                                      | Nm                                                                                                                                                                                                                                                                                                | 400                   |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 1750 – 2500           |
| <b>Electrical System</b>                    |                                                                                                                                                                                                                                                                                                   |                       |
| Battery/Installation                        | Ah/–                                                                                                                                                                                                                                                                                              | 90 / luggage comp.    |
| <b>Driving Dynamics and Safety</b>          |                                                                                                                                                                                                                                                                                                   |                       |
| Suspension, front                           | Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                   |                       |
| Suspension, rear                            | Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling                                                                                                                                                                        |                       |
| Brakes, front                               | Four-piston fixed-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 Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |                       |
| 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 seats, crash sensors, Tyre Pressure Indicator |                       |
| Steering                                    | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering                                                                                                                                                                              |                       |
| Steering ratio, overall                     | :1                                                                                                                                                                                                                                                                                                | 16.3                  |
| Tyres, front/rear                           |                                                                                                                                                                                                                                                                                                   | 225/55 R17 97Y        |
| Rims, front/rear                            |                                                                                                                                                                                                                                                                                                   | 7.5J x 17 light-alloy |

| BMW 520d xDrive Touring                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.250 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.360 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.172 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.316 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.822 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.712 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.929 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12.5  |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 70.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.6   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 222   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Urban                                   | ltr/100 km | 5.7 – 5.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Extra-urban                             | ltr/100 km | 4.8 – 4.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Combined                                | ltr/100 km | 5.2 – 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| CO <sub>2</sub>                         | g/km       | 136 – 131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 525d.

| BMW 525d Touring                            |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.05                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 66                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 5.0                                                                                                                                                                                                                                                                                                         |
| Weight, unladen, to DIN/EU                  | kg                 | 1690 / 1765                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 735                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2425                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1090 / 1435                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.27 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 4 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: multi-stage charging,<br>high and low pressure turbocharger with variable inlet geometry, common<br>rail direct fuel injection with solenoid injectors<br>(max. injection pressure: 2500 bar)                                                                               |
| Effective capacity                          | cm <sup>3</sup>    | 1995                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 90.0 / 84.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 16.5                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | Diesel                                                                                                                                                                                                                                                                                                      |
| Output                                      | kW/hp              | 170 / 231                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 4400                                                                                                                                                                                                                                                                                                        |
| Torque                                      | Nm                 | 500                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 2000                                                                                                                                                                                                                                                                                                        |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant; optional: Adaptive<br>Suspension, Adaptive Drive                                                                 |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 525d Touring                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.000 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.200 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.143 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.314 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.822 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.456 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.813 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9.9   |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 85.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.8   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 245   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Urban                                   | ltr/100 km | 6.2 – 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Extra-urban                             | ltr/100 km | 4.9 – 4.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Combined                                | ltr/100 km | 5.4 – 5.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| CO <sub>2</sub>                         | g/km       | 142 – 134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Emission rating                         |            | EU6c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 530d.

| BMW 530d Touring                            |                                                                                                                                                                                                                                                                                                   |                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Body</b>                                 |                                                                                                                                                                                                                                                                                                   |                       |
| No. of doors/seats                          |                                                                                                                                                                                                                                                                                                   | 5 / 5                 |
| Length/width/height <sup>1)</sup> (unladen) | mm                                                                                                                                                                                                                                                                                                | 4942 / 1868 / 1498    |
| Wheelbase                                   | mm                                                                                                                                                                                                                                                                                                | 2975                  |
| Track, front/rear                           | mm                                                                                                                                                                                                                                                                                                | 1605 / 1630           |
| Ground clearance                            | mm                                                                                                                                                                                                                                                                                                | 140                   |
| Turning circle                              | m                                                                                                                                                                                                                                                                                                 | 12.05                 |
| Tank capacity                               | approx. ltr                                                                                                                                                                                                                                                                                       | 66                    |
| Engine oil <sup>2)</sup>                    | ltr                                                                                                                                                                                                                                                                                               | 6.5                   |
| Weight, unladen, to DIN/EU                  | kg                                                                                                                                                                                                                                                                                                | 1750 / 1825           |
| Max. load to DIN                            | kg                                                                                                                                                                                                                                                                                                | 730                   |
| Max. permissible weight                     | kg                                                                                                                                                                                                                                                                                                | 2480                  |
| Max. axle load, front/rear                  | kg                                                                                                                                                                                                                                                                                                | 1140 / 1455           |
| Max. trailer load,<br>braked (12%/unbraked) | kg                                                                                                                                                                                                                                                                                                | 2000 / 750            |
| Max. roof load/towbar download              | kg                                                                                                                                                                                                                                                                                                | 100 / 90              |
| Luggage comp. capacity                      | ltr                                                                                                                                                                                                                                                                                               | 570 – 1700            |
| Air resistance                              | C <sub>d</sub> x A                                                                                                                                                                                                                                                                                | 0.27 x 2.35           |
| <b>Engine</b>                               |                                                                                                                                                                                                                                                                                                   |                       |
| Config./No. of cyls./valves                 |                                                                                                                                                                                                                                                                                                   | in-line / 6 / 4       |
| Engine technology                           | BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)                                                                                                                             |                       |
| Effective capacity                          | cm <sup>3</sup>                                                                                                                                                                                                                                                                                   | 2993                  |
| Stroke/bore                                 | mm                                                                                                                                                                                                                                                                                                | 90.0 / 84.0           |
| Compression ratio                           | :1                                                                                                                                                                                                                                                                                                | 16.5                  |
| Fuel                                        |                                                                                                                                                                                                                                                                                                   | Diesel                |
| Output                                      | kW/hp                                                                                                                                                                                                                                                                                             | 195 / 265             |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 4000                  |
| Torque                                      | Nm                                                                                                                                                                                                                                                                                                | 620                   |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 2000 – 2500           |
| <b>Electrical System</b>                    |                                                                                                                                                                                                                                                                                                   |                       |
| Battery/Installation                        | Ah/–                                                                                                                                                                                                                                                                                              | 90 / luggage comp.    |
| <b>Driving Dynamics and Safety</b>          |                                                                                                                                                                                                                                                                                                   |                       |
| Suspension, front                           | Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                   |                       |
| Suspension, rear                            | Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling                                                                                                                                                                        |                       |
| Brakes, front                               | Four-piston fixed-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 Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension, Adaptive Drive                                                                |                       |
| 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 seats, crash sensors, Tyre Pressure Indicator |                       |
| Steering                                    | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering                                                                                                                                                                              |                       |
| Steering ratio, overall                     | :1                                                                                                                                                                                                                                                                                                | 16.3                  |
| Tyres, front/rear                           |                                                                                                                                                                                                                                                                                                   | 225/55 R17 97Y        |
| Rims, front/rear                            |                                                                                                                                                                                                                                                                                                   | 7.5J x 17 light-alloy |

| BMW 530d Touring                        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.000 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.200 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.143 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.313 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.823 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.478 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.471 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9.0   |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 65.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.8   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 250   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
| Urban                                   | ltr/100 km | 6.5 – 6.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Extra-urban                             | ltr/100 km | 4.9 – 4.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Combined                                | ltr/100 km | 5.5 – 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| CO <sub>2</sub>                         | g/km       | 144 – 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |

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

- <sup>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 530d xDrive.

| BMW 530d xDrive Touring                     |                                                                                                                                                                                                                                                                                                   |                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Body</b>                                 |                                                                                                                                                                                                                                                                                                   |                       |
| No. of doors/seats                          |                                                                                                                                                                                                                                                                                                   | 5 / 5                 |
| Length/width/height <sup>1)</sup> (unladen) | mm                                                                                                                                                                                                                                                                                                | 4942 / 1868 / 1498    |
| Wheelbase                                   | mm                                                                                                                                                                                                                                                                                                | 2975                  |
| Track, front/rear                           | mm                                                                                                                                                                                                                                                                                                | 1605 / 1630           |
| Ground clearance                            | mm                                                                                                                                                                                                                                                                                                | 140                   |
| Turning circle                              | m                                                                                                                                                                                                                                                                                                 | 12.22                 |
| Tank capacity                               | approx. ltr                                                                                                                                                                                                                                                                                       | 66                    |
| Engine oil <sup>2)</sup>                    | ltr                                                                                                                                                                                                                                                                                               | 6.5                   |
| Weight, unladen, to DIN/EU                  | kg                                                                                                                                                                                                                                                                                                | 1810 / 1885           |
| Max. load to DIN                            | kg                                                                                                                                                                                                                                                                                                | 720                   |
| Max. permissible weight                     | kg                                                                                                                                                                                                                                                                                                | 2530                  |
| Max. axle load, front/rear                  | kg                                                                                                                                                                                                                                                                                                | 1190 / 1455           |
| Max. trailer load,<br>braked (12%/unbraked) | kg                                                                                                                                                                                                                                                                                                | 2000 / 750            |
| Max. roof load/towbar download              | kg                                                                                                                                                                                                                                                                                                | 100 / 90              |
| Luggage comp. capacity                      | ltr                                                                                                                                                                                                                                                                                               | 570 – 1700            |
| Air resistance                              | C <sub>d</sub> x A                                                                                                                                                                                                                                                                                | 0.28 x 2.35           |
| <b>Engine</b>                               |                                                                                                                                                                                                                                                                                                   |                       |
| Config./No. of cyls./valves                 |                                                                                                                                                                                                                                                                                                   | in-line / 6 / 4       |
| Engine technology                           | BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)                                                                                                                             |                       |
| Effective capacity                          | cm <sup>3</sup>                                                                                                                                                                                                                                                                                   | 2993                  |
| Stroke/bore                                 | mm                                                                                                                                                                                                                                                                                                | 90.0 / 84.0           |
| Compression ratio                           | :1                                                                                                                                                                                                                                                                                                | 16.5                  |
| Fuel                                        |                                                                                                                                                                                                                                                                                                   | Diesel                |
| Output                                      | kW/hp                                                                                                                                                                                                                                                                                             | 195 / 265             |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 4000                  |
| Torque                                      | Nm                                                                                                                                                                                                                                                                                                | 620                   |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 2000 – 2500           |
| <b>Electrical System</b>                    |                                                                                                                                                                                                                                                                                                   |                       |
| Battery/Installation                        | Ah/–                                                                                                                                                                                                                                                                                              | 90 / luggage comp.    |
| <b>Driving Dynamics and Safety</b>          |                                                                                                                                                                                                                                                                                                   |                       |
| Suspension, front                           | Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                   |                       |
| Suspension, rear                            | Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling                                                                                                                                                                        |                       |
| Brakes, front                               | Four-piston fixed-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 Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |                       |
| 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 seats, crash sensors, Tyre Pressure Indicator |                       |
| Steering                                    | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering                                                                                                                                                                              |                       |
| Steering ratio, overall                     | :1                                                                                                                                                                                                                                                                                                | 16.3                  |
| Tyres, front/rear                           |                                                                                                                                                                                                                                                                                                   | 225/55 R17 97Y        |
| Rims, front/rear                            |                                                                                                                                                                                                                                                                                                   | 7.5J x 17 light-alloy |

| BMW 530d xDrive Touring                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.000 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.200 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.143 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.313 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.823 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.478 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.471 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9.3   |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 65.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.6   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 250   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Urban                                   | ltr/100 km | 7.1 – 7.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Extra-urban                             | ltr/100 km | 5.3 – 5.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Combined                                | ltr/100 km | 5.9 – 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| CO <sub>2</sub>                         | g/km       | 156 – 153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. 540d xDrive.

| BMW 540d xDrive Touring                     |                    |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>                                 |                    |                                                                                                                                                                                                                                                                                                             |
| No. of doors/seats                          |                    | 5 / 5                                                                                                                                                                                                                                                                                                       |
| Length/width/height <sup>1)</sup> (unladen) | mm                 | 4942 / 1868 / 1498                                                                                                                                                                                                                                                                                          |
| Wheelbase                                   | mm                 | 2975                                                                                                                                                                                                                                                                                                        |
| Track, front/rear                           | mm                 | 1605 / 1630                                                                                                                                                                                                                                                                                                 |
| Ground clearance                            | mm                 | 140                                                                                                                                                                                                                                                                                                         |
| Turning circle                              | m                  | 12.22                                                                                                                                                                                                                                                                                                       |
| Tank capacity                               | approx. ltr        | 66                                                                                                                                                                                                                                                                                                          |
| Engine oil <sup>2)</sup>                    | ltr                | 6.5                                                                                                                                                                                                                                                                                                         |
| Weight, unladen, to DIN/EU                  | kg                 | 1845 / 1920                                                                                                                                                                                                                                                                                                 |
| Max. load to DIN                            | kg                 | 720                                                                                                                                                                                                                                                                                                         |
| Max. permissible weight                     | kg                 | 2565                                                                                                                                                                                                                                                                                                        |
| Max. axle load, front/rear                  | kg                 | 1215 / 1455                                                                                                                                                                                                                                                                                                 |
| Max. trailer load,<br>braked (12%/unbraked) | kg                 | 2000 / 750                                                                                                                                                                                                                                                                                                  |
| Max. roof load/towbar download              | kg                 | 100 / 90                                                                                                                                                                                                                                                                                                    |
| Luggage comp. capacity                      | ltr                | 570 – 1700                                                                                                                                                                                                                                                                                                  |
| Air resistance                              | C <sub>d</sub> x A | 0.29 x 2.35                                                                                                                                                                                                                                                                                                 |
| <b>Engine</b>                               |                    |                                                                                                                                                                                                                                                                                                             |
| Config./No. of cyls./valves                 |                    | in-line / 6 / 4                                                                                                                                                                                                                                                                                             |
| Engine technology                           |                    | BMW TwinPower Turbo technology: multi-stage charging,<br>high and low pressure turbocharger with variable inlet geometry, common<br>rail direct fuel injection with piezo injectors<br>(max. injection pressure: 2500 bar)                                                                                  |
| Effective capacity                          | cm <sup>3</sup>    | 2993                                                                                                                                                                                                                                                                                                        |
| Stroke/bore                                 | mm                 | 90.0 / 84.0                                                                                                                                                                                                                                                                                                 |
| Compression ratio                           | :1                 | 16.5                                                                                                                                                                                                                                                                                                        |
| Fuel                                        |                    | Diesel                                                                                                                                                                                                                                                                                                      |
| Output                                      | kW/hp              | 235 / 320                                                                                                                                                                                                                                                                                                   |
| at                                          | rpm                | 4400                                                                                                                                                                                                                                                                                                        |
| Torque                                      | Nm                 | 680                                                                                                                                                                                                                                                                                                         |
| at                                          | rpm                | 1750 – 2250                                                                                                                                                                                                                                                                                                 |
| <b>Electrical System</b>                    |                    |                                                                                                                                                                                                                                                                                                             |
| Battery/Installation                        | Ah/–               | 90 / luggage comp.                                                                                                                                                                                                                                                                                          |
| <b>Driving Dynamics and Safety</b>          |                    |                                                                                                                                                                                                                                                                                                             |
| Suspension, front                           |                    | Aluminium double track control arm axle with separate lower track arm level,<br>small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                          |
| Suspension, rear                            |                    | Five-link axle in aluminium lightweight construction, double elastic bearing,<br>air suspension with automatic self-levelling                                                                                                                                                                               |
| Brakes, front                               |                    | Four-piston fixed-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),<br>CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying<br>function, fading compensation, start-off assistant, networked with xDrive all-<br>wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |
| Safety equipment                            |                    | Standard: airbags for driver and front passenger, side airbags for driver and<br>front passenger, head airbags for front and rear seats, three-point inertia-<br>reel seatbelts on all seats with belt latch tensioner and belt force limiter at<br>the front seats, crash sensors, Tyre Pressure Indicator |
| Steering                                    |                    | Electromechanical rack-and-pinion power steering (EPS)<br>with Servotronic function; optional: Integral Active Steering                                                                                                                                                                                     |
| Steering ratio, overall                     | :1                 | 16.3                                                                                                                                                                                                                                                                                                        |
| Tyres, front/rear                           |                    | 225/55 R17 97Y                                                                                                                                                                                                                                                                                              |
| Rims, front/rear                            |                    | 7.5J x 17 light-alloy                                                                                                                                                                                                                                                                                       |

| BMW 540d xDrive Touring                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.000 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.200 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.143 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.313 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.823 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.478 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.563 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7.9   |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 78.5  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.9   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 250   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Urban                                   | ltr/100 km | 7.4 – 7.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Extra-urban                             | ltr/100 km | 5.3 – 5.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Combined                                | ltr/100 km | 6.0 – 5.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| CO <sub>2</sub>                         | g/km       | 159 – 156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |

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

- <sup>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.

# BMW 5 Series Touring. M550d xDrive.

| BMW M550d xDrive Touring                    |                                                                                                                                                                                                                                                                                                   |                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Body</b>                                 |                                                                                                                                                                                                                                                                                                   |                     |
| No. of doors/seats                          |                                                                                                                                                                                                                                                                                                   | 5 / 5               |
| Length/width/height <sup>1)</sup> (unladen) | mm                                                                                                                                                                                                                                                                                                | 4962 / 1868 / 1488  |
| Wheelbase                                   | mm                                                                                                                                                                                                                                                                                                | 2975                |
| Track, front/rear                           | mm                                                                                                                                                                                                                                                                                                | 1600 / 1598         |
| Ground clearance                            | mm                                                                                                                                                                                                                                                                                                | 130                 |
| Turning circle                              | m                                                                                                                                                                                                                                                                                                 | 12.24               |
| Tank capacity                               | approx. ltr                                                                                                                                                                                                                                                                                       | 66                  |
| Engine oil <sup>2)</sup>                    | ltr                                                                                                                                                                                                                                                                                               | 6.5                 |
| Weight, unladen, to DIN/EU                  | kg                                                                                                                                                                                                                                                                                                | 1955 / 2030         |
| Max. load to DIN                            | kg                                                                                                                                                                                                                                                                                                | 665                 |
| Max. permissible weight                     | kg                                                                                                                                                                                                                                                                                                | 2620                |
| Max. axle load, front/rear                  | kg                                                                                                                                                                                                                                                                                                | 1255 / 1455         |
| Max. trailer load,<br>braked (12%/unbraked) | kg                                                                                                                                                                                                                                                                                                | 2000 / 750          |
| Max. roof load/towbar download              | kg                                                                                                                                                                                                                                                                                                | 100 / 90            |
| Luggage comp. capacity                      | ltr                                                                                                                                                                                                                                                                                               | 570 – 1700          |
| Air resistance                              | C <sub>d</sub> x A                                                                                                                                                                                                                                                                                | 0.31 x 2.35         |
| <b>Engine</b>                               |                                                                                                                                                                                                                                                                                                   |                     |
| Config./No. of cyls./valves                 |                                                                                                                                                                                                                                                                                                   | in-line / 6 / 4     |
| Engine technology                           | BMW TwinPower Turbo technology: multi-stage charging with four turbochargers, high and low pressure charging stage with two chargers each, high pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)        |                     |
| Effective capacity                          | cm <sup>3</sup>                                                                                                                                                                                                                                                                                   | 2993                |
| Stroke/bore                                 | mm                                                                                                                                                                                                                                                                                                | 90.0 / 84.0         |
| Compression ratio                           | :1                                                                                                                                                                                                                                                                                                | 16.0                |
| Fuel                                        |                                                                                                                                                                                                                                                                                                   | Diesel              |
| Output                                      | kW/hp                                                                                                                                                                                                                                                                                             | 294 / 400           |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 4400                |
| Torque                                      | Nm                                                                                                                                                                                                                                                                                                | 760                 |
| at                                          | rpm                                                                                                                                                                                                                                                                                               | 2000 – 3000         |
| <b>Electrical System</b>                    |                                                                                                                                                                                                                                                                                                   |                     |
| Battery/Installation                        | Ah/–                                                                                                                                                                                                                                                                                              | 105 / luggage comp. |
| <b>Driving Dynamics and Safety</b>          |                                                                                                                                                                                                                                                                                                   |                     |
| Suspension, front                           | Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive                                                                                                                                                   |                     |
| Suspension, rear                            | Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling                                                                                                                                                                        |                     |
| Brakes, front                               | Four-piston fixed-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 Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system; optional: Adaptive Suspension, Adaptive Drive                  |                     |
| 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 seats, crash sensors, Tyre Pressure Indicator |                     |
| Steering                                    | Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, Integral Active Steering                                                                                                                                                                                        |                     |
| Steering ratio, overall                     | :1                                                                                                                                                                                                                                                                                                | 16.3                |
| Tyres, front/rear                           | 245/40 R19 98Y XL / 275/35 R19 100Y XL                                                                                                                                                                                                                                                            |                     |
| Rims, front/rear                            | 8J x 19 light-alloy / 9J x 19 light-alloy                                                                                                                                                                                                                                                         |                     |

| BMW M550d xDrive Touring                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
|-----------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Transmission                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Type of gearbox                         |            | 8-speed Steptronic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| Gear ratios                             | I          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.000 |
|                                         | II         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.200 |
|                                         | III        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.143 |
|                                         | IV         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.720 |
|                                         | V          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.313 |
|                                         | VI         | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.000 |
|                                         | VII        | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.823 |
|                                         | VIII       | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.640 |
|                                         | R          | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3.478 |
| Final drive                             |            | :1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.813 |
| Performance                             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Power-to-weight ratio (DIN)             |            | kg/kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.6   |
| Output per litre                        |            | kW/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 98.2  |
| Acceleration                            | 0–100 km/h | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.6   |
| Top speed                               |            | km/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 250   |
| BMW EfficientDynamics                   |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| BMW EfficientDynamics standard features |            | Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter |       |
| Fuel consumption EU cycle               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Urban                                   | ltr/100 km | 7.6 – 7.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Extra-urban                             | ltr/100 km | 6.0 – 5.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Combined                                | ltr/100 km | 6.6 – 6.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| CO <sub>2</sub>                         | g/km       | 174 – 172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| Emission rating                         |            | EU6d-TEMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |

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

<sup>1)</sup> Height including roof aerial

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

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between 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.