Specifications.
The BMW M3 Sedan.
M3.

**Body**
- No of doors/seats: 4 / 5
- Length/width/height (unladen) mm: 4794 / 1903 / 1433
- Wheelbase mm: 2857
- Track, front/rear mm: 1617 / 1605
- Ground clearance mm: 120
- Turning circle m: 12.2
- Fuel tank capacity approx. l: 59
- Engine oil l: 7.0
- Weight, unladen, to DINEU kg: 1705 / 1780
- Max load to DIN kg: 505
- Max permissible weight kg: 2210
- Max trailer load, braked (12%)/unbraked kg: – / –
- Max roofload/max towbar download kg: 75 / –
- Luggage comp capacity l: 480
- Air resistance C₂ x A: 0.33 x 2.34

**Power Unit**
- Config/No of cyls/valves: In-line / 6 / 4
- Engine technology: M TwinPower Turbo technology with two mono-scroll turbochargers, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
- Effective capacity cc: 2993
- Stroke/bore mm: 90.0 / 84.0
- Compression ratio :1: 9.3
- Fuel RON 98 (min. RON 91)
- Max output kW/hp: 353 / 480
  at rpm: 6250
- Max torque Nm: 550
  at rpm: 2650 – 6130

**Electrical System**
- Battery/Installation Ah: – 70 / luggage compartment

**Driving Dynamics and Safety**
- Suspension, front: Adaptive M suspension with double-joint spring strut axle in lightweight aluminium construction, M-specific kinematics and elastokinematics
- Suspension, rear: Adaptive M suspension with five-link axle in lightweight aluminium/steel construction, rear-axle subframe with rigid bolted connection to the body, M-specific kinematics and elastokinematics
- Brakes, front: M Compound brakes, vented, with six-piston fixed callipers
- Brakes, rear: M Compound brakes, vented, with single-piston floating callipers
- Driving stability systems: Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off, integrated wheel slip limitation, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential
- Safety equipment: Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
- Steering: Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio
- Steering ratio, overall :1: 15.0
- Tyres, front/rear: 275/40 ZR18 103Y XL
  265/35 ZR19 103Y XL
- Rims, front/rear: 9.5J x 18 light-alloy
  10.5J x 19 light-alloy
BMW M3 Sedan

Transmission

<table>
<thead>
<tr>
<th>Gear ratios</th>
<th>I :1</th>
<th>4.111</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>II :1</td>
<td>2.315</td>
</tr>
<tr>
<td></td>
<td>III :1</td>
<td>1.542</td>
</tr>
<tr>
<td></td>
<td>IV :1</td>
<td>1.179</td>
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<tr>
<td></td>
<td>V :1</td>
<td>1.000</td>
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<tr>
<td></td>
<td>VI :1</td>
<td>0.846</td>
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<tr>
<td></td>
<td>R :1</td>
<td>3.727</td>
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<tr>
<td>Final drive</td>
<td>:1</td>
<td>3.462</td>
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Performance

<table>
<thead>
<tr>
<th>Power-to-weight ratio (DIN)</th>
<th>kg/kW</th>
<th>4.8</th>
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</thead>
<tbody>
<tr>
<td>Output per litre</td>
<td>kW/l</td>
<td>118.0</td>
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<tr>
<td>Acceleration 0–100 km/h</td>
<td>s</td>
<td>4.2</td>
</tr>
<tr>
<td>Acceleration 80–120 km/h</td>
<td>s</td>
<td>4.1 / 5.6</td>
</tr>
<tr>
<td>Top speed</td>
<td>km/h</td>
<td>250 / 290²</td>
</tr>
</tbody>
</table>

BMW EfficientDynamics standard features

- Brake Energy Regeneration
- Electric Power Steering
- Auto Start-Stop function
- Optimum Shift Indicator
- BMW EfficientLightweight
- On-demand operation of ancillary units
- Map-regulated oil pump
- Rear differential with optimised efficiency
- Li-ion battery
- Optimised aerodynamic attributes

Fuel Consumption ECE

<table>
<thead>
<tr>
<th></th>
<th>Urban l/100 km</th>
<th>15.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra-urban</td>
<td>l/100 km</td>
<td>8.0</td>
</tr>
<tr>
<td>Combined</td>
<td>l/100 km</td>
<td>10.8</td>
</tr>
<tr>
<td>CO₂</td>
<td>g/km</td>
<td>248</td>
</tr>
<tr>
<td>Emission rating</td>
<td>Euro 6d</td>
<td></td>
</tr>
</tbody>
</table>

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

1) Oil change with filter
2) Limited / with optional M Driver’s Package

The fuel consumption, CO₂ emission and electric power consumption figures are determined according to the European Regulation (EC) 2007/715 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂-emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.
BMW M3 Competition Sedan

Body
No of doors/seats 4 / 5
Length/width/height (unladen) mm 4794 / 1903 / 1433
Wheelbase mm 2857
Track, front/rear mm 1617 / 1605
Ground clearance mm 120
Turning circle m 12.2
Fuel tank capacity approx. l 59
Engine oil l 7.0
Weight, unladen, to DIN/EU kg 1730 / 1805
Max load to DIN kg 480
Max permissible weight kg 2210
Max axle load, front/rear kg 1080 / 1180
Max trailer load, braked (12%)/unbraked kg – / –
Max roofload/max towbar download kg 75 / –
Luggage comp capacity l 480
Air resistance Cx x A 0.33 x 2.34

Power Unit
Config/No of cyls/valves In-line / 6 / 4
Engine technology M TwinPower Turbo technology with two mono-scroll turbochargers, indirect charge air cooling, High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity cc 2993
Stroke/bore mm 90.0 / 84.0
Compression ratio :1 9.3
Fuel RON 98 (min. RON 91)
Max output kW/hp at rpm 375 / 510 6250
Max torque Nm at rpm 650 2750 – 5500

Electrical System
Battery/installation Ah/– 70 / luggage compartment

Driving Dynamics and Safety
Suspension, front Adaptive M suspension with double-joint spring strut axle in lightweight aluminium construction, M-specific kinematics and elastokinematics
Suspension, rear Adaptive M suspension with five-link axle in lightweight aluminium/steel construction, rear-axle subframe with rigid bolted connection to the body, M-specific kinematics and elastokinematics
Brakes, front M Compound brakes, vented, with six-piston fixed callipers
Brakes, rear M Compound brakes, vented, with single-piston floating callipers
Driving stability systems Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off, integrated wheel slip limitation, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential
Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering Electric Power Steering (EPS) with M-specific Servotronic function and variable sport ratio
Steering ratio, overall :1 15.0
Tyres, front/rear 275/40 ZR18 103Y XL
265/35 ZR19 103Y XL
Rims, front/rear 9.5J x 18 light-alloy
10.5J x 19 light-alloy
BMW M3 Competition Sedan

Transmission

<table>
<thead>
<tr>
<th>Type of transmission</th>
<th>Eight-speed M Steptronic transmission with Drivelogic</th>
</tr>
</thead>
</table>

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 3,476

Final drive :1 3,154

Performance

- Power-to-weight ratio (DIN) kg/kW 4.6
- Output per litre kW/l 125.3
- Acceleration 0–100 km/h s 3.9
- Acceleration 80–120 km/h in 4th/5th gear s 2.6 / 3.4
- Top speed km/h 250 / 290 (2)

BMW EfficientDynamics

- Brake Energy Regeneration, Electric Power Steering,
- Auto Start Stop function, Optimum Shift Indicator in manual shift mode,
- BMW EfficientLightweight, on-demand operation of ancillary units, map-regulated oil pump, rear differential with optimised efficiency, Li-ion battery, optimised aerodynamic attributes

Fuel Consumption ECE

with standard tyres

- Urban l/100 km 14.6
- Extra-urban l/100 km 7.6
- Combined l/100 km 10.2
- CO2 g/km 234
- Emission rating Euro 6d

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

1) Oil change with filter
2) Limited / with optional M Driver’s Package

Further information on official fuel consumption figures and specific CO2 emission values of new passenger cars is included in the following guideline: ‘Leitfaden über den Kraftstoffverbrauch, die CO2-Emissionen und den Stromverbrauch neuer Personenkraftwagen’ (Guide to the fuel economy, CO2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

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The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO2 emissions, the CO2 values may differ from the values stated here (depending on national legislation).
Output and torque diagrams.
The new BMW M3 Sedan.
M3.

- Output [kW]:
  - 353 kW @ 6130 - 7000 rpm

- Torque [Nm]:
  - 550 Nm @ 2650 - 6130 rpm
Exterior and interior dimensions.
The BMW M3 Sedan.
M3.