

Specifications.

The BMW M3 Sedan.

M3.



BMW M3 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 ¹⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1705 / 1780
Max load to DIN	kg	505
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	c _d 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 285/35 ZR19 103Y XL
Rims, front/rear		9.5J x 18 light-alloy 10.5J x 19 light-alloy

BMW M3 Sedan			
Transmission			
Type of transmission	Six-speed manual		
Gear ratios	I	:1	4.111
	II	:1	2.315
	III	:1	1.542
	IV	:1	1.179
	V	:1	1.000
	VI	:1	0.846
	R	:1	3.727
Final drive		:1	3.462
Performance			
Power-to-weight ratio (DIN)	kg/kW		4.8
Output per litre	kW/l		118.0
Acceleration	0–100 km/h	s	4.2
Acceleration	80–120 km/h		
in 4th/5th gear		s	4.1 / 5.6
Top speed	km/h		250 / 290 ²⁾
BMW EfficientDynamics			
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			
with standard tyres			
Urban	l/100 km		15.6
Extra-urban	l/100 km		8.0
Combined	l/100 km		10.8
CO ₂	g/km		248
Emission rating			Euro 6d

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/>.

The BMW M3 Sedan. M3 Competition.

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 ¹⁾	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	c _d 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	375 / 510
at	rpm	6250
Max torque	Nm	650
at	rpm	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
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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
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Steering ratio, overall	:1	15.0
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Rims, front/rear		9.5J x 18 light-alloy 10.5J x 19 light-alloy

BMW M3 Competition Sedan

Transmission

Type of transmission	Eight-speed M Steptronic transmission with Drivelogic		
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	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

BMW EfficientDynamics standard features	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
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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
CO ₂	g/km	234
Emission rating		Euro 6d

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

¹⁾ Oil change with filter

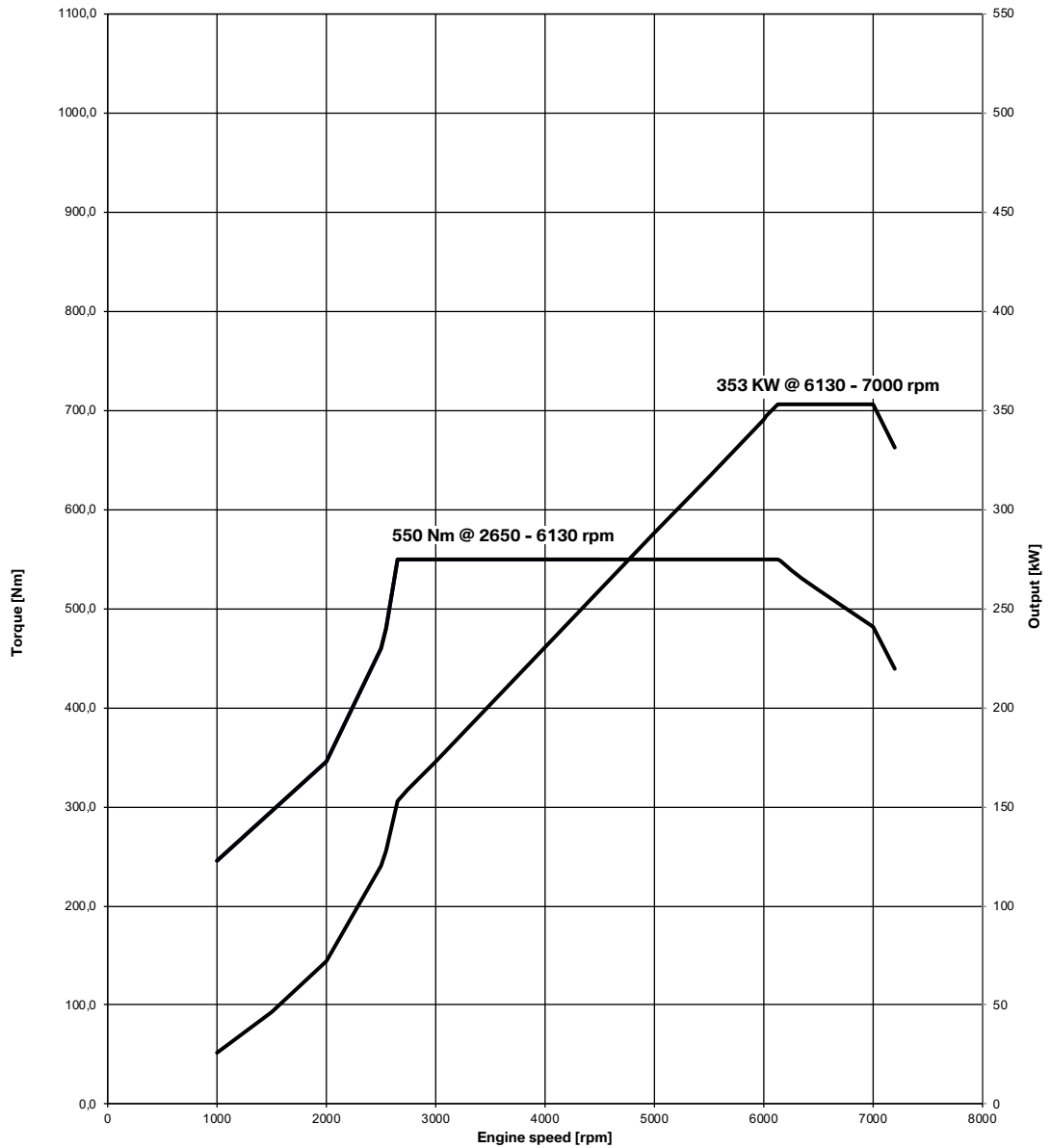
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Output and torque diagrams. The new BMW M3 Sedan. M3.



Exterior and interior dimensions. The BMW M3 Sedan. M3.

