

Technical specifications.

BMW M3 Sedan.

M3.



BMW
Media
information

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BMW M3 Sedan		
Body		
No. of doors / seats		4 / 5
Length/width/height (unladen)	mm	4794 / 1903 / 1437
Wheelbase	mm	2857
Track, front/rear	mm	1617 / 1605
Ground clearance	mm	123
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/towbar download	kg	75 / -
Luggage comp. capacity	l	480
Air resistance	c _x x A	0.33 x 2.34
	mm	
Engine		
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 and 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 95)
Output	kW/hp	353 / 480
at	rpm	6250
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, drive-off assistant, Active M Differential
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 stopper, belt tensioner and belt force limiter in 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		117.9
Acceleration	0–100 km/h	s	4.2
Acceleration	0–200 km/h	s	13.7
Acceleration	80–120 km/h	s	
in 4th/5th gear			4.1 / 5.6
Top speed	km/h		250 / 290 ²⁾
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator, BMW EfficientLightweight, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised efficiency, optimised aerodynamic attributes		
Fuel consumption ECE			
Combined (WLTP)	l/100 km		10.1 – 10.0
Combined (NEDC)	l/100 km		–
CO ₂ (WLTP)	g/km		230 – 227
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6e
CO ₂ class(es)			G

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

¹⁾ Oil change with filter

²⁾ Limited / with optional M Driver's Package

Official fuel consumption, CO₂ emissions, electric power consumption and electric range figures were determined based on the prescribed measurement procedure in accordance with European Regulation (EC) 2007/715 in the version applicable. They refer to vehicles in the German market. Where a range is shown, NEDC figures consider the different sizes of the selected wheels/tyres, while WLTP figures take into account the impact of any optional extras.

WLTP values are used for determining vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions as well as eligibility for any applicable vehicle-specific subsidies. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. Further information on the WLTP and NEDC measurement procedures can also be found at www.bmw.de/wltp.

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 / 1437
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/towbar download	kg	75 / -
Luggage comp. capacity	l	480
Air resistance	c _x x A	0.33 x 2.34
Engine		
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 and 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 95)
Output	kW/hp	375 / 510
at	rpm	6250
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
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, drive-off assistant, Active M Differential
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 stopper, belt tensioner and belt force limiter in 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 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	0–200 km/h	s	12.5
Acceleration	80–120 km/h	s	
in 4th/5th gear			2.6 / 3.4
Top speed	km/h	250 / 290 ²⁾	

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised efficiency, optimised aerodynamic attributes
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Fuel consumption ECE

Combined (WLTP)	l/100 km	9.9 – 9.7
Combined (NEDC)	l/100 km	–
CO ₂ (WLTP)	g/km	224 – 220
CO ₂ (NEDC)	g/km	–
Emission rating		Euro 6e
CO ₂ class(es)		G

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¹⁾ Oil change with filter

²⁾ Limited / with optional M Driver's Package

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BMW M3 Sedan. M3 Competition with M xDrive.

BMW M3 Competition Sedan with M xDrive		
Body		
No. of doors / seats		4 / 5
Length/width/height (unladen)	mm	4794 / 1903 / 1438
Wheelbase	mm	2857
Track, front/rear	mm	1617 / 1605
Ground clearance	mm	122
Turning circle	m	12.6
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1780 / 1855
Max. load to DIN	kg	480
Max. permissible weight	kg	2260
Max. axle load, front/rear	kg	1125 / 1200
Max. trailer load		
braked (12%/unbraked)	kg	- / -
Max. roofload/towbar download	kg	75 / -
Luggage comp. capacity	l	480
Air resistance	c _x x A	0.34 x 2.34
Engine		
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 and 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 95)
Output	kW/hp	390 / 530
at	rpm	6250
Torque	Nm	650
at	rpm	2750 – 5730
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, drive-off assistant, Active M Differential, DSC networked with M xDrive all-wheel-drive system
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 stopper, belt tensioner and belt force limiter in 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	14.6
Tyres, front/rear		275/35 ZR19 100Y XL 285/30 ZR20 99Y XL
Rims, front/rear		9.5J x 19 light-alloy 10.5J x 20 light-alloy

BMW M3 Competition Sedan with M xDrive

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	130.3
Acceleration	0–100 km/h	s
		3.5
Acceleration	0–200 km/h	s
		11.8
Acceleration	80–120 km/h	s
		3.4
in 5th gear		
Top speed	km/h	250 / 290 ²⁾

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator in manual shift mode, BMW EfficientLightweight, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised efficiency, optimised aerodynamic attributes
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Fuel consumption ECE

Combined (WLTP)	l/100 km	10.2 – 10.1
Combined (NEDC)	l/100 km	–
CO ₂ (WLTP)	g/km	230 – 227
CO ₂ (NEDC)	g/km	–
Emission rating		Euro 6e
CO ₂ class(es)		G

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
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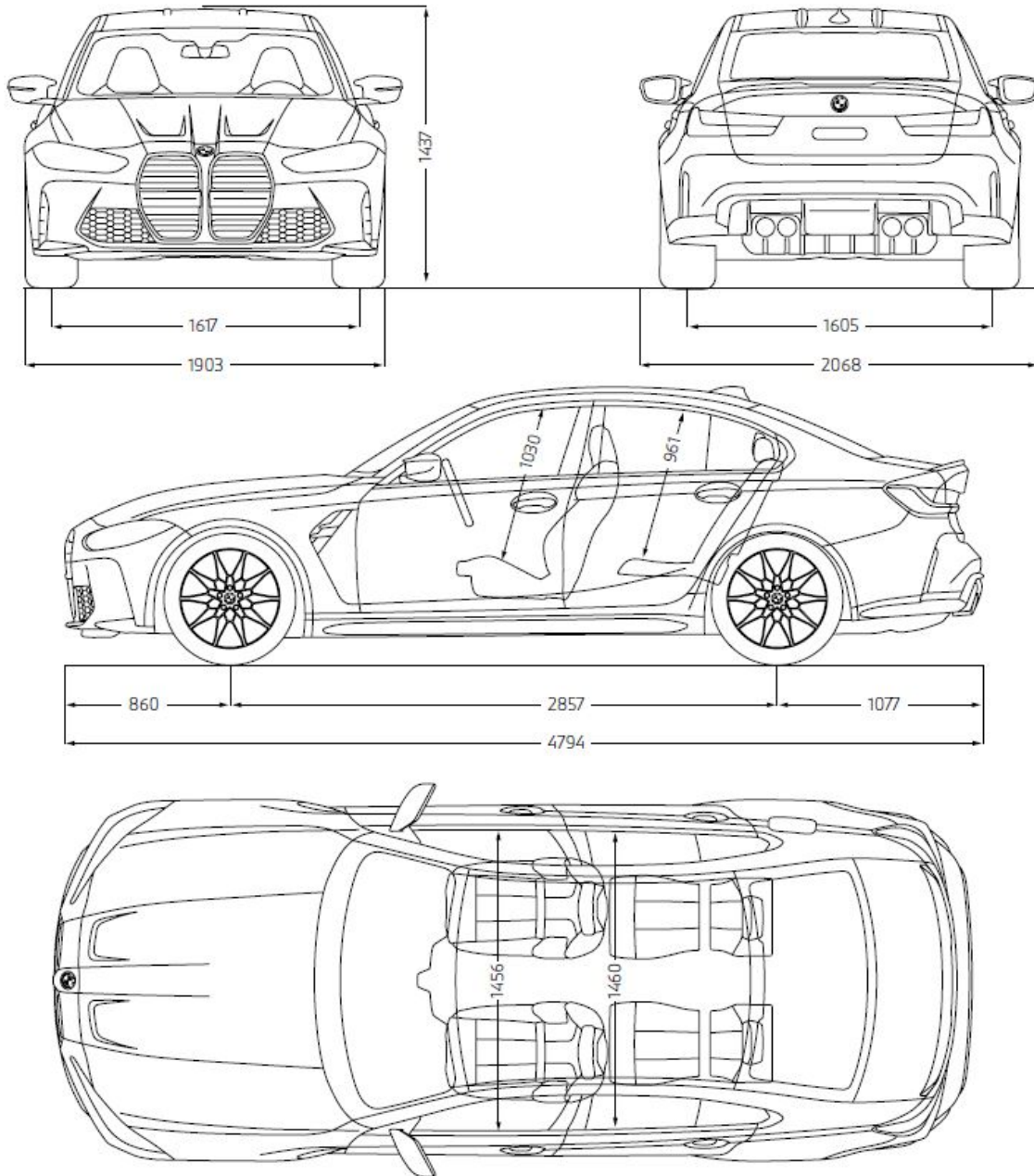
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Exterior and interior dimensions.
BMW M3 Sedan.
M3.
M3 Competition.
M3 Competition with M xDrive.



The dimensions of the technical drawing are in millimetres and may vary depending on the model and optional equipment specified.