

Technical specifications.

BMW M3 Sedan.

M3 CS.



BMW
Media
information

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BMW M3 CS	
Body	
No of doors/seats	4 / 5
Length/width/height (unladen)	mm 4795 / 1918 / 1438
Wheelbase	mm 2857
Track, front/rear	mm 1623 / 1605
Ground clearance	mm 123
Turning circle	m 12.6
Fuel tank capacity	approx. l 59
Engine oil ¹⁾	l 7.0
Weight, unladen, to DIN/EU	kg 1765 / 1840
Max. load to DIN	kg 480
Max. permissible weight	kg 2245
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
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 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)
Max. output	kW/hp 405 / 550
at	rpm 6250
Max. torque	Nm 650
at	rpm 2750 - 5950
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 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, DSC networked with M xDrive all-wheel-drive system, 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 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

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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	4.4
Output per litre	kW/l	135.3
Acceleration 0–100 km/h	s	3.4
Acceleration 0–200 km/h	s	11.1
Top speed	km/h	302

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, Li-ion battery, optimised aerodynamic attributes
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Fuel Consumption ECE

Combined (WLTP)	l/100 km	10.4 – 10.1
Combined (NEDC)	l/100 km	–
CO ₂ (WLTP)	g/km	234 – 229
CO ₂ (NEDC)	g/km	–
Emission rating		Euro 6d

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

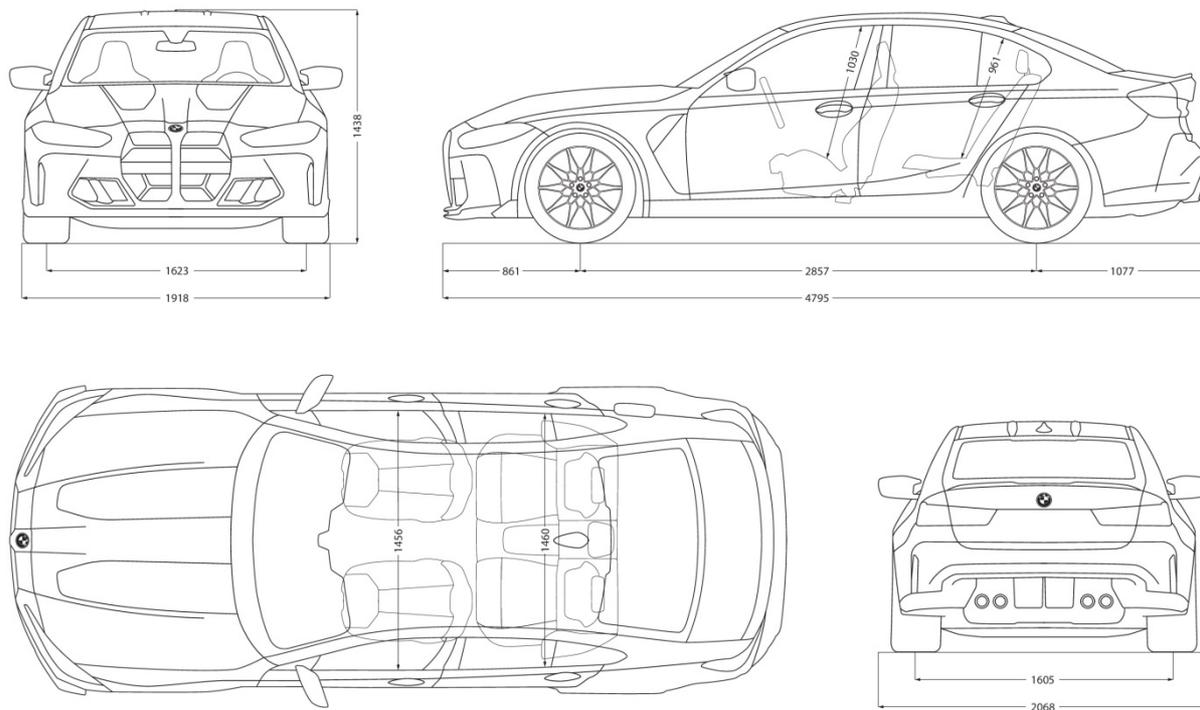
¹⁾ Oil change with filter

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/>.

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



The dimensions of the technical drawings are in millimeters and may vary depending on the model and optional equipment.