

Technical specifications.

BMW M2.



BMW
Media
information

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BMW M2		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4580 / 1887 / 1403
Wheelbase	mm	2747
Track, front/rear	mm	1617 / 1605
Ground clearance	mm	123
Turning circle	m	11.9
Fuel tank capacity	approx. l	52
Engine oil ¹⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1730 / 1805 (1705 / 1780)
Max. load to DIN	kg	425 (450)
Max. permissible weight	kg	2155 (2155)
Max. axle load, front/rear	kg	1075 / 1135
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roofload/towbar download	kg	75 / -
Luggage comp. capacity	l	390
Air resistance	c _d x A	0.34 x 2.28
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	353 / 480
at	rpm	6250
Max. torque	Nm	600 (550)
at	rpm	2650 – 6130
Electrical System		
Battery/installation	Ah/-	92 / 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		275/35 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 (six-speed manual)		
Gear ratios	I	:1	5.000 (4.110)
	II	:1	3.200 (2.315)
	III	:1	2.143 (1.542)
	IV	:1	1.720 (1.179)
	V	:1	1.313 (1.000)
	VI	:1	1.000 (0.846)
	VII	:1	0.823 (-)
	VIII	:1	0.640 (-)
	R	:1	3.478 (3.727)
Final drive		:1	3.154 (3.462)

Performance

Power-to-weight ratio (DIN)	kg/kW	4.9 (4.8)
Output per litre	kW/l	117.9
Acceleration 0–100 km/h	s	4.0 (4.2)
Acceleration 0–200 km/h	s	12.9 (13.7)
Acceleration 80–120 km/h in 5th gear	s	3.6 (5.6)
Top speed	km/h	250 / 285 ²⁾

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, Optimum Shift Indicator (M Steptronic: 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	9.8 – 9.6 (10.2 – 10.0)
CO ₂ (WLTP)	g/km	223 – 218 (231 – 226)
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

Figures in brackets refer to cars with the manual gearbox

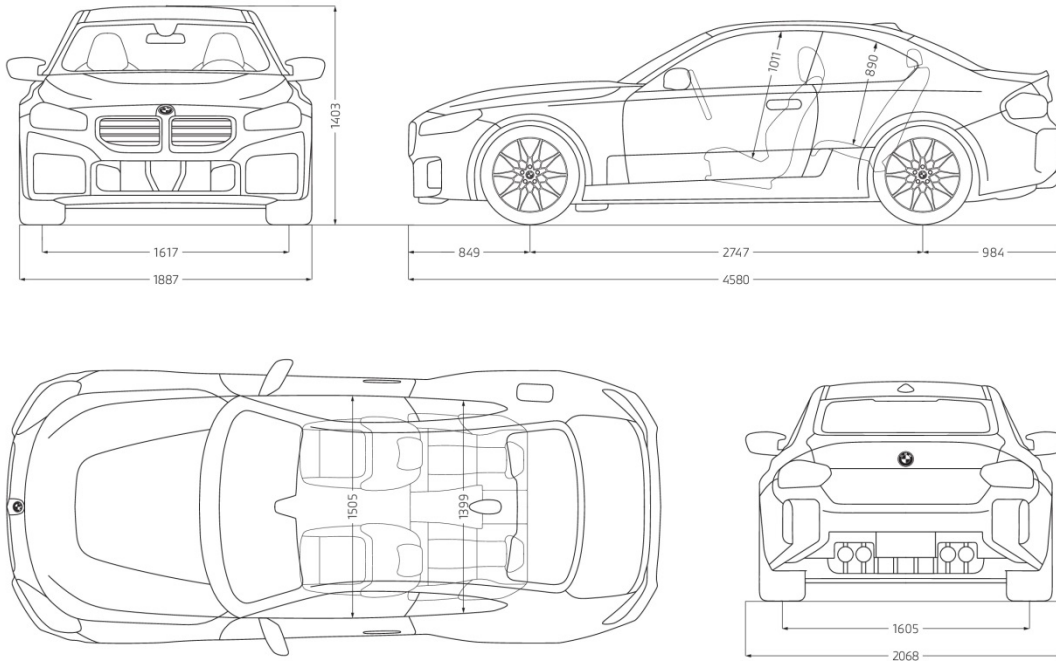
¹⁾ Oil change with filter

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.

Exterior and interior dimensions. BMW M2.



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