

The new BMW M2 CS. Specifications.



BMW M2 CS		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4461 / 1871 / 1414
Wheelbase	mm	2693
Track, front/rear	mm	1579 / 1601
Ground clearance	mm	118
Turning circle	m	11.7
Fuel tank capacity	approx. l	52
Cooling system incl. heater	l	10.0 (high-temp.) / 3.9 (low-temp.)
Engine oil ¹⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1550 / 1625 (1575 / 1650)
Max load to DIN	kg	460 (435)
Max permissible weight	kg	2010
Max axle load, front/rear	kg	970/1080
Max trailer load, braked (12%)/unbraked	kg	---/---
Max roofload/max towbar download	kg	---/---
Luggage comp capacity	l	390
Air resistance	c _d x A	0.37 x 2.21
Power Unit		
Config/No of cyls/valves		In-line/6/4
Engine technology		M TwinPower Turbo technology with two mono-scroll turbochargers, High Precision Injection direct petrol injection, fully variable valve timing (VALVETRONIC) and variable camshaft timing (Double-VANOS)
Effective capacity	cc	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		RON95 – RON98
Max output	kW/hp	331 / 450
at	rpm	6250
Max torque	Nm	550
at	rpm	2350-5500
Electrical System		
Battery/installation	Ah/–	80 / luggage compartment
(Alternator)/generator	A/W	209 / 2926
Driving Dynamics and Safety		
Suspension, front		Adaptive M suspension with double-joint spring strut axle in lightweight aluminium construction with M-specific elastokinematics
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium construction with M-specific elastokinematics
Brakes, front		M compound brakes with six-piston fixed callipers; vented brake discs
Brakes, rear		M compound brakes with four-piston fixed callipers; vented brake discs
Driving stability systems		Standard: DSC incl. ABS and M Dynamic Mode, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Start-Off Assistant; Active M Differential, linked to Integrated Chassis Management (ICM)
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
Steering		Electric Power Steering (EPS) with M-specific Servotronic function
Steering ratio, overall	:1	15.0
Tyres, front/rear		245/35 ZR19 93Y 265/35 ZR19 98Y
Rims, front/rear		9.0J x 19 light-alloy 10.0J x 19 light-alloy

BMW M2 CS			
Transmission			
Type of transmission	Six-speed manual (seven-speed M double-clutch transmission with Drivelogic)		
Gear ratios	I	:1	4.110 (4.806)
	II	:1	2.315 (2.593)
	III	:1	1.542 (1.701)
	IV	:1	1.179 (1.277)
	V	:1	1.000 (1.000)
	VI	:1	0.846 (0.844)
	VII	:1	----- (0.671)
	VIII	:1	--
	R	:1	3.727 (4.172)
Final drive		:1	3.462
Performance			
Power-to-weight ratio (DIN)	kg/hp		3.44 (3.50)
Output per litre	kW/l		110
Acceleration 0–100 km/h	s		4.2 (4.0)
In 4th/5th gear 80–120 km/h	s		3.3 / 4.0 (3.1 / 4.1)
Top speed	km/h		280
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump		
Fuel Consumption ECE²⁾			
Urban	l/100 km		14.9 – 14.4 (12.6 – 12.4)
Extra-urban	l/100 km		7.8 – 7.7 (7.8 – 7.6)
Combined	l/100 km		10.4 – 10.2 (9.6 – 9.4)
CO ₂	g/km		238 – 233 (219 – 214)
Emission rating			EU6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)
Figures in brackets apply to models with M DCT transmission

¹⁾ Oil change

²⁾ Provisional fuel consumption and CO₂ emissions, vary depending on the selected tyre format

All figures relating to performance, fuel consumption and CO₂ emissions are provisional.

The fuel consumption and CO₂ emission 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 new BMW M2 CS. Output and torque diagram.

