

# Specifications.

## BMW M2.

### M2 Competition.



<b>BMW M2 Competition</b>		
<b>Body</b>		
No. of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4461 / 1854 / 1410
Wheelbase	mm	2693
Track, front/rear	mm	1579 / 1601
Ground clearance	mm	118
Turning circle	m	11.7
Tank capacity	approx. ltr	52
Engine oil <sup>2)</sup>	ltr	6.5
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. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	390
Air resistance	c <sub>d</sub> x A	0.36 x 2.21
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		M TwinPower Turbo technology with two MonoScroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		RON 98 (min RON 95)
Output	kW/hp	302 / 410
at	rpm	5230 – 7000
Torque	Nm	550
at	rpm	2350 – 5230
<b>Electrical System</b>		
Battery/Installation	Ah/-	80 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front		Lightweight aluminium double-joint tiebar spring strut axle with M specific elastokinematics
Suspension, rear		Lightweight aluminium five-link axle with M specific elastokinematics
Brakes, front		Four-piston fixed calliper disc brakes / vented
Brakes, rear		Twin-piston fixed calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and M Dynamic Mode, CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, 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 for front and rear seats, three-point inertia- reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion 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		9J x 19 light-alloy/ 10J x 19 light-alloy

<b>BMW M2 Competition</b>			
<b>Transmission</b>			
Type of gearbox	6-speed manual (7-speed M Steptronic with double clutch and 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)
	R	:1	3.727 (4.172)
Final drive		:1	3.462 (3.462)
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		5.1 (5.2)
Output per litre	kWh/l		101.4
Acceleration 0–100 km/h	s		4.4 (4.2)
Acceleration 80–120 km/h in 4 <sup>th</sup> /5 <sup>th</sup> gear	s		3.3 / 4.0 (3.1 / 4.1)
Top speed	km/h		250 / 280 <sup>3)</sup>
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour		
<b>Fuel consumption EU cycle</b>			
Urban	ltr/100 km		12.7 – 12.5 (11.5 – 11.2)
Extra-urban	ltr/100 km		8.4 – 8.3 (7.8 – 7.8)
Combined	ltr/100 km		10.0 – 9.8 (9.2 – 9.0)
CO <sub>2</sub>	g/km		227 – 224 (209 – 206)
Emission rating	EU6d-TEMP		

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
Figures in brackets are for vehicles with automatic transmission

<sup>1)</sup> Height including roof aerial

<sup>2)</sup> Oil change volume incl. filter

<sup>3)</sup> In conjunction with optional M Driver's Package

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.