

# The new BMW M2 Competition. Specifications.



BMW M2 Competition		
<b>Body</b>		
No of doors/seats		2/4
Length/width/height (unladen)	mm	4461/1854 <sup>1)</sup> /1410
Wheelbase	mm	2693
Track, front/rear	mm	1579/1601
Ground clearance		118
Turning circle	m	11.7
Fuel tank capacity	approx. l	52
Cooling system incl heater	l	10.0
Engine oil <sup>2)</sup>	l	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 (12 %) braked/unbraked	kg	---/---
Max roofload/max towbar download	kg	75/---
Luggage comp capacity	l	390
Air resistance	C <sub>x</sub> x A	0.36 x 2.21
<b>Power Unit</b>		
Config/No of cyls/valves		R/6/4
Engine technology		M TwinPower Turbo technology with two MonoScroll turbochargers, High Precision Direct Injection, fully variable valve control (VALVETRONIC) and variable camshaft timing (Double-VANOS)
Effective capacity	cm <sup>3</sup>	2,979
Stroke/bore	mm	89.6/84.0
Compression ratio	:1	10.2
Fuel		ROZ95 – ROZ98
Max output	kW/hp	302/410
at	rpm	5250–7000
Max torque	Nm	550
at	rpm	2350-5200
<b>Electrical System</b>		
Battery/installation	Ah/–	80/Luggage compartment
(Alternator)/Generator	A/W	209/2926
<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		4-piston fixed caliper disc brakes / vented
Brakes, rear		2-piston fixed caliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and M Dynamic Mode, Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking 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 stopper, belt latch tensioner and belt force limiter
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		9.0J x 19 LM 10.0J x 19 LM

**BMW M2 Competition**

**Transmission**

Type of transmission	6-speed manual (7-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	3.78
Output per litre	kW/l	101.4
Acceleration 0–100 km/h	s	4.4 (4.2)
in 4th/5th gear 80–120 km/h	s	3,3 (3,1) / 4,0 (4,1)
Top speed	km/h	250/280 <sup>3</sup>

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Automatic Start/Stop function, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, rear-axle drive with optimised warm-up behaviour
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**Fuel consumption ECE<sup>4)</sup>**

Combined	l/100 km	10,0 – 9,9 (9,2)
CO <sub>2</sub>	g/km	228 – 225 (210 – 209)
Emission rating		EU6

**Insurance rating**

KH/VK/TK	tbd
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Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with M DCT

<sup>1)</sup> without wing mirror; with wing mirror 1990

<sup>2)</sup> Oil change

<sup>3)</sup> In conjunction with the optional M Drivers Package

<sup>4)</sup> Provisional fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

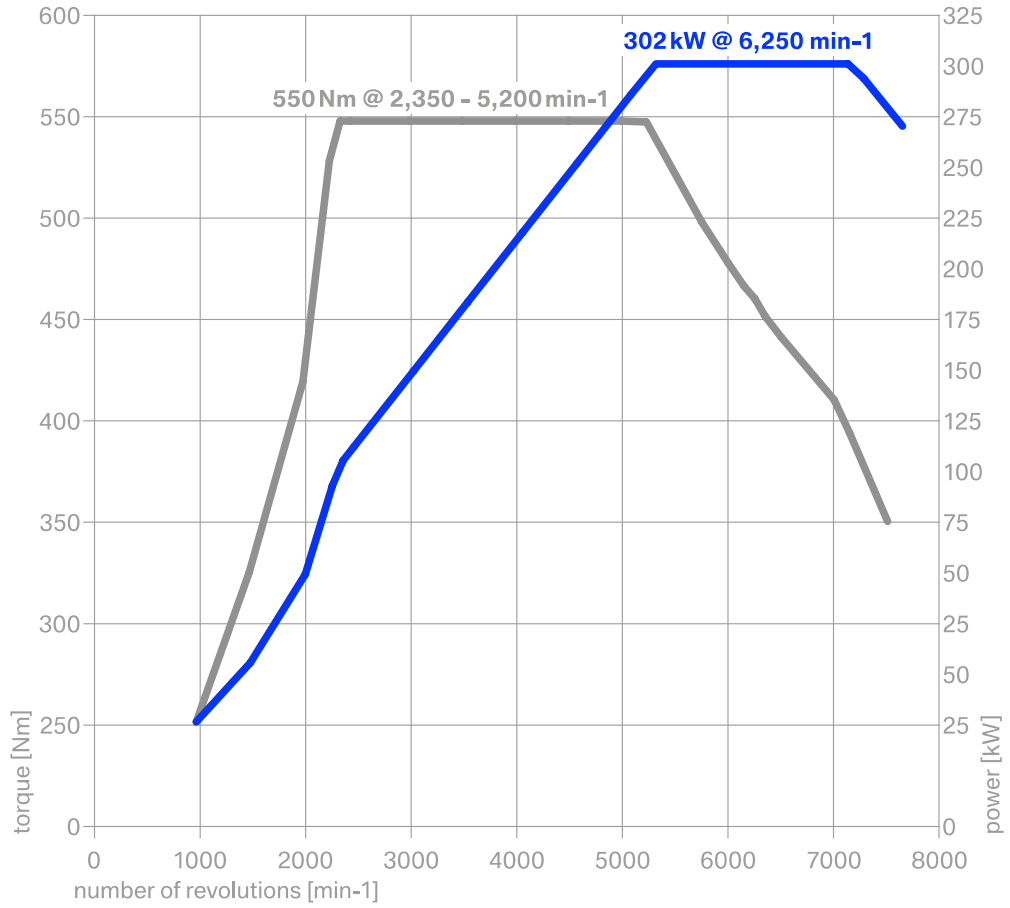
The values of fuel consumptions, CO<sub>2</sub> emissions and energy consumptions shown are determined according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers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

The values of the vehicles labeled with (...) are already based on the new WLTP regulation and are translated back into NEDC-equivalent values in order to ensure the comparison between the 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].

The CO<sub>2</sub> efficiency specifications are determined according to Directive 1999/94/EC and Pkw-EnVKV in its current version applicable. The values shown are based on the fuel consumption, CO<sub>2</sub> values and energy consumptions according to the NEDC cycle for the classification.

For further information about the official fuel consumption and the specific CO<sub>2</sub> emission of new passenger cars can be taken out of the „handbook of fuel consumption, the CO<sub>2</sub> emission and power consumption of new passenger cars“, which is available at all selling points and at <https://www.dat.de/angebote/verlagsprodukte/leitfaden-kraftstoffverbrauch.html>

# Output and torque diagrams.



# Exterior and interior dimensions.

