

The new BMW M2 Competition. Specifications.



BMW M2 Competition		
Body		
No of doors/seats		2/4
Length/width/height (unladen)	mm	4461/1854 ¹⁾ /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 ²⁾	l	6.5
Weight, unladen, to DINEU	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 _x x A	0.36 x 2.21
Power Unit		
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 ³	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
Electrical System		
Battery/installation	Ah/–	80/Luggage compartment
(Alternator)/Generator	A/W	209/2926
Driving Dynamics and Safety		
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 ³
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	
Fuel consumption ECE ⁴⁾			
Combined	l/100 km	10,0 – 9,9 (9,2)	
CO ₂	g/km	228 – 225 (210 – 209)	
Emission rating		EU6	
Insurance rating			
KH/VK/TK		tbd	

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

¹⁾ without wing mirror; with wing mirror 1990

²⁾ Oil change

³⁾ In conjunction with the optional M Drivers Package

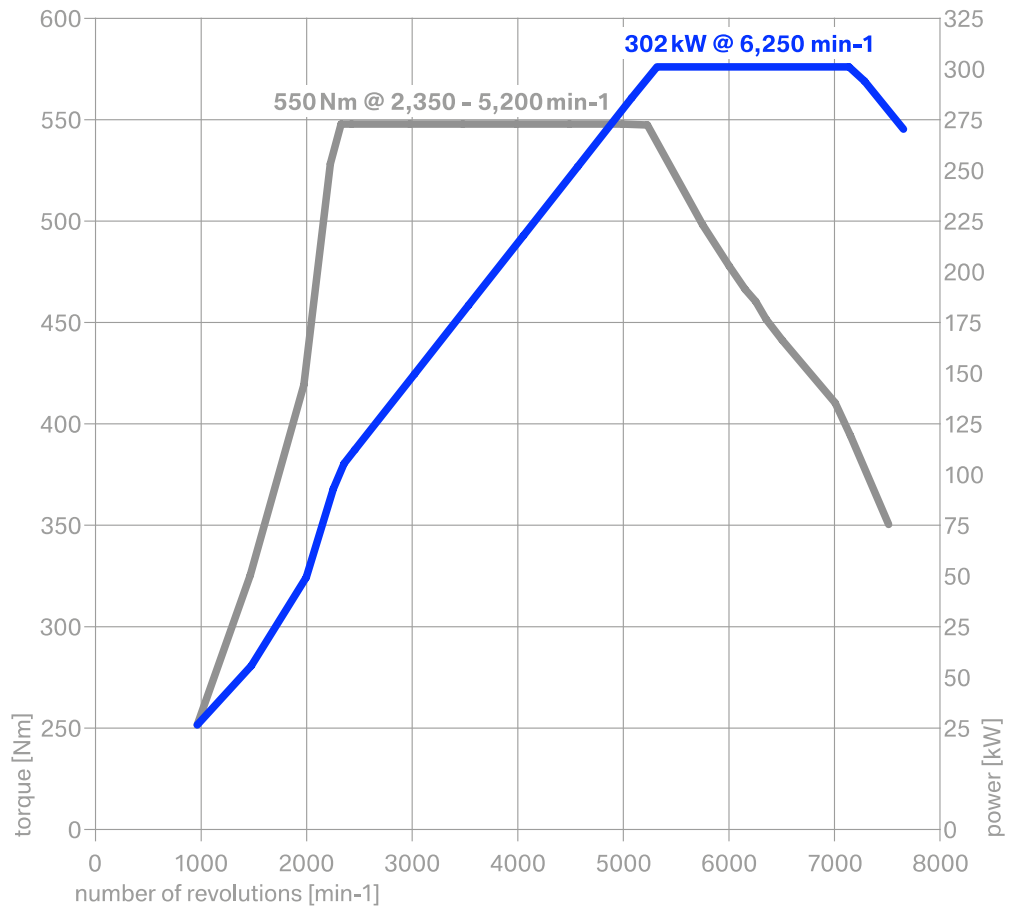
⁴⁾ Provisional fuel consumption and CO₂ emissions depend on the selected tyre format

The fuel consumption and CO₂ emissions figures shown were 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 the different size of the selected wheels and tires. The values of the vehicles labelled 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 CO₂ emissions, the CO₂ values may differ to the values stated here (depending on national legislation).

The CO₂ efficiency specifications are determined according to Directive 1999/94/EC and the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO₂ values as per the NEDC cycle.

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at <https://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>.

Output and torque diagrams.



Exterior and interior dimensions.

