

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 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	Cx 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	

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Transmission		
Type of transmission		
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 ECE⁴)		
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

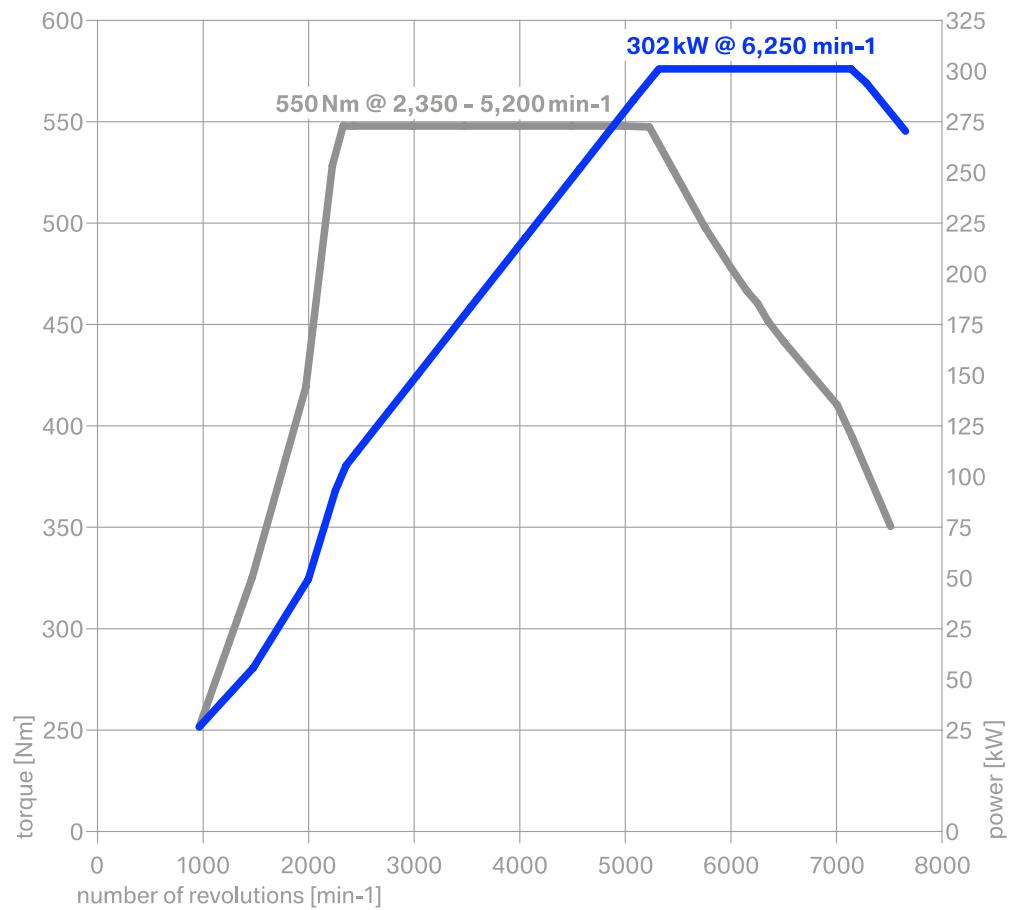
⁴⁾ Provisional fuel consumption and CO₂ emissions depend on the selected tyre format

The values of fuel consumptions, CO₂ 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 CO₂-emissions the CO₂ values may differ to the values stated here].

The CO₂ 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, CO₂ values and energy consumptions according to the NEDC cycle for the classification. For further information about the official fuel consumption and the specific CO₂ emission of new passenger cars can be taken out of the „handbook of fuel consumption, the CO₂ 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.

