

BMW M235i Cabrio.



BMW M235i Convertible		
Body		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4454 / 1774 / 1403
Wheelbase	mm	2690
Track, front/rear	mm	1516 / 1534
Ground clearance	mm	130
Turning circle	m	10.9
Fuel tank capacity	approx. ltr	52
Cooling system incl. heater	ltr	6.7 (7.2)
Engine oil ¹⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1600 / 1675 (1620 / 1695)
Max. load to DIN	kg	430
Max. permissible weight	kg	2030 (2050)
Max. axle load, front/rear	kg	960 / 1145
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/max towbar download	kg	- / -
Luggage comp. capacity	ltr	280 – 335
Air resistance	C _d x A	0.35 x 2.13
Power Unit		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		M TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Injection, fully variable valve control (VALVETRONIC) and Double-VANOS variable camshaft control
Effective capacity	cm ³	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		min RON 91
Max. output	kW/hp	240 / 326
at	rpm	5800 – 6000
Max torque	Nm	450
at	rpm	1300 – 4500
Electrical System		
Battery/installation	Ah/–	80 / luggage comp.
Alternator	A/W	170 / 2380
Driving Dynamics and Safety		
Suspension, front		Aluminium double-joint spring strut axle with M-specific elastokinematics
Suspension, rear		Five-link axle in lightweight steel construction with double elastic bearing
Brakes, front		Four-piston fixed-calliper disc brakes
Brakes, rear		Twin-piston fixed-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger combined with head airbags, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, rollover protection system, Tyre Pressure Indicator
Steering		Electric Power Steering (EPS), variable sport steering
Steering ratio, overall	:1	14.4
Tyres, front/rear		225/40 R18 88Y/ 245/35 R 18 92Y XL
Rims, front/rear		7.5J x 18 light-alloy/ 8J x 18 light-alloy



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Transmission

Type of transmission	6-speed manual gearbox (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.315 (3.143)
	III	:1	1.542 (2.106)
	IV	:1	1.179 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.846 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Final drive		:1	3.077 (3.077)

Performance

Power-to-weight ratio (DIN)	kg/kW	6.7 (6.8)
Output per litre	kW/ltr	80.6
Acceleration	0–100 km/h	s
	0–1000 m	s ²⁾
In 5th gear	80–120 km/h	s
Top speed	km/h	250 (250)

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function (automatic transmission), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour
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Fuel consumption EU

Urban	l/100 km	11.5 (10.7)
Extra-urban	l/100 km	6.8 (6.2)
Combined	l/100 km	8.5 (7.9)
CO ₂	g/km	199 (184)
Emission rating		EU6

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

¹⁾ Oil change

²⁾ Data not yet available