

# Specifications. BMW 2 Series Convertible. M235i



BMW M235i Convertible		
<b>Body</b>		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4454 / 1774 / 1403
Wheelbase	mm	2690
Front/rear track	mm	1516 / 1534
Ground clearance	mm	130
Turning circle	m	10.9
Fuel capacity	approx. l	52
Cooling and heating system reservoir capacity	l	6.7 (7.2)
Engine oil capacity <sup>1)</sup>	l	6.5
Weight, unladen (DIN/EU)	kg	1600 / 1675 (1620 / 1695)
Payload (DIN)	kg	430
Permitted total weight	kg	2030 (2050)
Permitted axle load, front/rear	kg	960 / 1145
Permitted trailer load (12%) braked/unbraked	kg	- / -
Permitted roof load/trailer download	kg	- / -
Luggage compartment capacity	l	280 – 335
Aerodynamic drag	c <sub>d</sub> x A	0.35 x 2.13
<b>Engine</b>		
Type/no. of cylinders/valves		in-line / 6 / 4
Engine technology	M Performance TwinPower Turbo technology: twin-scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel type		min. RON 91
Output	kW/hp	240 / 326
at rpm	min <sup>-1</sup>	5800 – 6000
Torque	Nm	450
at rpm	min <sup>-1</sup>	1300 – 4500
<b>Electrical</b>		
Battery charge/location	Ah/–	80 / luggage compartment
Alternator current/output	A/W	170 / 2380
<b>Driving Dynamics and Safety</b>		
Front suspension	Aluminium double-joint spring strut axle with M-specific elastokinematics	
Rear suspension	Five-link axle in lightweight steel construction with double elastic bearing	
Front brakes	Four-piston fixed-calliper disc brakes	
Rear brakes	Two-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, brake drying function, fading compensation, start-off assistant	
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags with combined head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS), Variable Sport Steering	
Overall steering ratio	:1	14.4
Front/rear tyres	225/40 R18 88Y 245/35 R 18 92Y XL	
Front/rear wheels	7.5J x 18 light-alloy/ 8J x 18 light-alloy	

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Transmission			
Type of gearbox		6-speed manual (optional: 8-speed Steptronic sport transmission)	
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)
Differential ratio		:1	3.077 (3.077)
Performance			
Weight-to-power ratio (DIN unladen)		kg/kW	6.7 (6.8)
Specific power output		kW/l	80.6
Acceleration	0–100 km/h	sec.	5.2 (5.0)
in 5th gear	80–120 km/h	sec.	5.6 (–)
Max. speed		km/h	250 (250)
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
Fuel consumption (EU)			
Urban	l/100 km		11.5 (10.7)
Extra-urban	l/100 km		6.8 (6.2)
Total	l/100 km		8.5 (7.9)
CO <sub>2</sub> emissions	g/km		199 (184)
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany  
Figures in brackets are for vehicles with automatic transmission

<sup>1)</sup> Oil change volume