

Specifications. BMW 2 Series Coupe. M235i xDrive



BMW M235i xDrive Coupe

Body

No. of doors/seats	2 / 4
Length/width/height ¹⁾ (unladen)	4454 / 1774 / 1408
Wheelbase	2690
Track, front/rear	1516 / 1534
Ground clearance	130
Turning circle	10.9
Tank capacity	52
Cooling system incl. heating	7.2
Engine oil ²⁾	6.5
Weight, unladen, to DIN/EU	1525 / 1600
Max. load to DIN	510
Max. permissible weight	2035
Max. axle load, front/rear	1020 / 1080
Max. trailer load, braked (12%)/unbraked	- / -
Max. roof load/towbar download	75 / -
Luggage comp. capacity	390
Air resistance	C _d x A 0.33 x 2.14

Engine

Config./No. of cyls./valves	in-line / 6 / 4
Engine technology	M TwinPower Turbo technology with twin-scroll turbocharger, 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 grade	min. RON 91
Output	kW/hp 240 / 326
at	rpm 5800 – 6000
Torque	Nm 450
at	rpm 1300 – 4500

Electrical System

Battery/Installation	Ah/- 80 / luggage comp.
Alternator	AW 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	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), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM)
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, Tyre Defect Indicator
Steering	Electric Power Steering (EPS), variable sport steering
Steering ratio, overall	:1 14.5
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

5/2014

Valid from
7/2014

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Transmission

Type of gearbox	8-speed Steptronic gearbox	
Gear ratios I	:1	4.714
II	:1	3.143
III	:1	2.106
IV	:1	1.667
V	:1	1.285
VI	:1	1.000
VII	:1	0.839
VIII	:1	0.667
R	:1	3.295
Final drive	:1	3.077

Performance

Power-to-weight ratio (DIN)	kg/kW	6.4
Output per litre	kW/ltr	80.6
Acceleration 0–100 km/h	s	4.6
0–1000 m	s	³⁾
in 4th/5th gear 80–120 km/h	s	–
Top speed	km/h	250

BMW EfficientDynamics

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

Urban	ltr/100 km	10.8
Extra-urban	ltr/100 km	6.1
Combined	ltr/100 km	7.8
CO ₂	g/km	182
Emission rating		EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

¹⁾ Height including roof aerial

²⁾ Oil change volume

³⁾ Data not yet available