

# The new BMW M2 Coupe. High-performance sports machine with intoxicating performance. (At a glance.)



A compact high-performance BMW sports car was already causing heads to turn and hearts to flutter over 40 years ago. Indeed, the BMW 2002 turbo perfectly encapsulated BMW's resolution to deliver outstanding dynamics, exceptional agility and optimum car control. As if to demonstrate in similarly resounding style that this commitment is alive and well, BMW M GmbH can now unveil the new BMW M2. With its high-performance six-cylinder in-line engine, rear-wheel-drive agility, lightweight aluminium M Sport suspension and extrovert styling, the new BMW M2 Coupe has all the ingredients to deliver the last word in driving pleasure.

## **Characteristic M design.**

A single glance is all it takes to pick the new BMW M2 Coupe out as a member of the BMW M family, with its styling also keen to advertise its dynamic attributes. Inspired by models from the history of BMW in motor racing, the new M2 Coupe makes no secret of its extraordinary performance potential. The low front apron with large air intakes, muscular flanks with characteristic M gills, 19-inch aluminium wheels in familiar M double-spoke design and low, wide rear with M-specific twin-tailpipe exhaust system all play impressive roles here. The time-honoured character of BMW M cars is also present and correct in the design of the interior. The Alcantara of the door cards and centre console together with porous carbon fibre creates an ambience of rare quality and heady sporting ambition further underlined by blue contrast stitching and M embossing on selected details. Sports seats, an M sports steering wheel and an M gearshift lever ensure BMW M2 drivers are in perfect command of their car it at all times.

## **Explosive performance.**

The newly developed, three-litre six-cylinder in-line engine in the new BMW M2 deploys cutting-edge M TwinPower Turbo technology to develop 272 kW/370 hp at 6,500 rpm (fuel consumption combined: 8.5 l/100 km [33.2 mpg imp]; CO<sub>2</sub> emissions combined: 199 g/km)\* and, in so doing, lays down a marker in the high-performance compact sports car segment. The same applies to power delivery. Peak torque of 465 Nm (343 lb-ft) can be increased to as much as 500 Nm (369 lb-ft) in short bursts under overboost. All of which enables the new BMW M2 Coupe with optional seven-speed M Double Clutch Transmission (M DCT) and Launch Control to accelerate from 0 to 100 km/h (62 mph) in just 4.3 seconds. Top speed is electronically

\* Fuel consumption figures based on the EU test cycle, may vary depending on the tyre format specified. .

limited to 250 km/h (155 mph). Yet, with its M DCT transmission, fuel consumption of just 7.9 litres\* per 100 km (35.8 mpg imp) and CO<sub>2</sub> emissions of just 185 g/km\*, the car is also keen to emphasise its outstanding efficiency.

### **Motor sport expertise.**

With the lightweight aluminium front and rear axles from the BMW M3/M4 models, forged 19-inch aluminium wheels with mixed-size tyres, M Servotronic steering with two settings and suitably effective M compound brakes, the new BMW M2 Coupe has raised the bar once again in the compact high-performance sports car segment when it comes to driving dynamics. The electronically controlled Active M Differential, which optimises traction and directional stability, also plays a significant role here. And even greater driving pleasure is on the cards when the Dynamic Stability Control system's M Dynamic Mode (MDM) is activated. MDM allows wheel slip and therefore moderate, controlled drifts on the track.

### **Intelligent connectivity when you want it.**

The new BMW M2 Coupe comes with an extensive list of standard equipment in keeping with its performance-focused set-up. The seven-speed M Double Clutch Transmission (M DCT) with Drivelogic, available as an option, changes gears with extraordinary speed but no interruption in the flow of power. A wide selection of driver assistance systems and mobility services from BMW ConnectedDrive is also available. The ConnectedDrive Services provide the basis for extensive vehicle connectivity, and this option also enables the use of innovative apps, which are integrated seamlessly into the car using BMW ConnectedDrive technology. For example, the GoPro app allows the driver to record fast laps of the track with a dashboard-mounted action camera, using the iDrive Controller and Control Display. Meanwhile, the driver's individual style at the wheel can be analysed as desired with the M Laptimer app. Information on speeds and braking points can be shared easily via e-mail or Facebook.

### **From powerful stock.**

The new BMW M2 Coupe is not only the direct heir to the successful BMW 1 Series M Coupe, but also – in its underlying philosophy – a descendant of the original E30 BMW M3 and the BMW 2002 turbo. The latter caused a sensation over 40 years ago, embodying the commitment of what is now BMW M GmbH to outstanding dynamics, unbeatable agility and optimal car control.

Further information on official fuel consumption figures, specific CO<sub>2</sub> emission values and the electric power consumption of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. Leitfaden CO<sub>2</sub> (Guideline CO<sub>2</sub>) (PDF – 2.7 MB).

# Specifications.



<b>BMW M2 Coupe</b>		
<b>Body</b>		
No of doors/seats		2/4
Length/width/height (unladen)	mm	4468/1854/1410
Wheelbase	mm	2693
Track, front/rear	mm	1579/1601
Ground clearance	mm	123
Turning circle	m	11.7
Fuel tank capacity	app ltr	52
Cooling system incl heater	ltr	10.3
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1495/1570 (1520/1595)
Max load to DIN	kg	515 (490)
Max permissible weight	kg	2010
Max axle load, front/rear	kg	970/1080
Max trailer load,	kg	---/---
Braked (12%/unbraked		
Max roofload/max towbar download	kg	75/---
Luggage comp capacity	ltr	390
Air resistance	C <sub>d</sub> x A	0.35 x 2.21
<b>Power Unit</b>		
Config/No of cyls/valves		In-line/6/4
Engine technology		M TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing
Effective capacity	cc	2979
Stroke/bore	mm	89.6/84.0
Compression ratio	:1	10.2
Fuel		min. RON 95
Max output	kW/hp	272/370
at	rpm	6500
Max torque	Nm/lb-ft	465/343
at	rpm	1400-5560
<b>Electrical System</b>		
Battery/installation	Ah/-	80/Luggage compartment
Alternator	A/W	209/2926
<b>Driving Dynamics and Safety</b>		
Suspension, front		Aluminium double-joint spring strut axle in lightweight construction with M-specific elastokinematics
Suspension, rear		Aluminium five-link axle in lightweight construction with M-specific elastokinematics
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Double-piston fixed-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl ABS and M Dynamic Mode, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), 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 latch tensioner and belt force limiter at the front seats
Steering		Electric 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 Light Alloy 10.0J x 19 Light Alloy

**BMW M2 Coupe**

**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)
	R	:1	3.727 (4.172)
Final drive		:1	3.462 (3.462)

**Performance**

Power-to-weight ratio	kg/kW	5.5 (5.6)
Output per litre	kW/ltr	91.3
Acceleration 0–100 km/h	sec	4.5 (4.3)
In 5th gear 80–120 km/h	sec	4.4
Top speed	km/h	250/270 <sup>2)</sup>

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimised-warm-up behaviour, map-regulated oil pump
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**Fuel Consumption ECE<sup>3)</sup>**

With standard tyres		
Urban	ltr/100 km	11.6 (10.5)
Extra-urban	ltr/100 km	6.7 (6.4)
Combined	ltr/100 km	8.5 (7.9)
CO <sub>2</sub>	g/km	199 (185)
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 M DCT

<sup>1)</sup> Oil change

<sup>2)</sup> In conjunction with the optional M Driver's Package

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format