

# Specifications.

## BMW M4 Coupe.

### M4.



BMW M4 Coupe		
<b>Body</b>		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4671 / 1870 / 1383
Wheelbase	mm	2812
Track, front/rear	mm	1579 / 1603
Ground clearance	mm	120
Turning circle	m	12.2
Tank capacity	approx. ltr	60
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1570 / 1645 (1595 / 1670)
Max. load to DIN	kg	470 (445)
Max. permissible weight	kg	2040
Max. axle load, front/rear	kg	970 / 1130
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	445
Air resistance	c <sub>d</sub> x A	0.34 x 2.23
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	M TwinPower Turbo technology with two MonoScroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing	
Effective capacity	cm <sup>3</sup>	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		RON 98 (min RON 95)
Output	kW/hp	317 / 431
at	rpm	5550 – 6500
Torque	Nm	550
at	rpm	2350 – 5500
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front	Aluminium double-joint spring strut axle, M specific kinematics and rigidity set-up	
Suspension, rear	Aluminium five-link axle, control arms and wheel carriers, rear axle subframe in lightweight steel construction, rigidly bolted to the body, M specific kinematics and rigidity set-up	
Brakes, front	Four-piston fixed calliper disc brakes / inner-vented, perforated	
Brakes, rear	Twin-piston fixed calliper disc brakes / inner-vented, perforated	
Driving stability systems	Standard: DSC incl. ABS and M Dynamic Mode, CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, Active M Differential	
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, crash sensors, Tyre Pressure Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with M specific Servotronic function and variable ratios	
Steering ratio, overall	:1	15.0
Tyres, front/rear		255/40 ZR18 95Y 275/40 ZR18 99Y
Rims, front/rear		9J x 18 light-alloy 10J x 18 light-alloy

BMW M4 Coupe			
Transmission			
Type of gearbox		6-speed manual (7-speed M Steptronic with double clutch and 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 (DIN)	kg/kW		5.0 (5.0)
Output per litre	kW/l		106.4
Acceleration 0–100 km/h	s		4.3 (4.1)
Acceleration 80–120 km/h in 4 <sup>th</sup> /5 <sup>th</sup> gear	s		3.5 / 4.2 (3.5 / 4.3)
Top speed	km/h		250 / 280 <sup>2)</sup>
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, BMW EfficientLightweight, on-demand operation of ancillary units, Lithium-Ion battery map-controlled oil pump, differential with optimized-warm-up behaviour		
Fuel consumption EU cycle			
Urban	ltr/100 km		12.6 – 12.6 (11.7 – 11.6)
Extra-urban	ltr/100 km		8.4 – 8.3 (8.0 – 7.9)
Combined	ltr/100 km		10.0 – 9.9 (9.3 – 9.3)
CO <sub>2</sub>	g/km		227 – 225 (213 – 211)
Emission rating			EU6d-TEMP

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

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

<sup>2)</sup> Limited / in conjunction with optional M Driver's Package

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle 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 are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

# BMW M4 Coupe. M4 Competition.

BMW M4 Competition Coupe		
<b>Body</b>		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4671 / 1870 / 1392
Wheelbase	mm	2812
Track, front/rear	mm	1579 / 1604
Ground clearance	mm	121
Turning circle	m	12.2
Tank capacity	approx. ltr	60
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1570 / 1645 (1595 / 1670)
Max. load to DIN	kg	470 (445)
Max. permissible weight	kg	2040
Max. axle load, front/rear	kg	970 / 1130
Max. trailer load, braked (12%)/unbraked	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	445
Air resistance	c <sub>d</sub> x A	0.34 x 2.23
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	M TwinPower Turbo technology with two MonoScroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing	
Effective capacity	cm <sup>3</sup>	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		RON 98 (min RON 95)
Output	kW/hp	331 / 450
at	rpm	6250
Torque	Nm	550
at	rpm	2350 – 5500
<b>Electrical System</b>		
Battery/Installation	Ah/–	70 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front	Aluminium double-joint spring strut axle, M specific kinematics and rigidity set-up	
Suspension, rear	Aluminium five-link axle, control arms and wheel carriers, rear axle subframe in lightweight steel construction, rigidly bolted to the body, M specific kinematics and rigidity set-up	
Brakes, front	Four-piston fixed calliper disc brakes / inner-vented, perforated	
Brakes, rear	Twin-piston fixed calliper disc brakes / inner-vented, perforated	
Driving stability systems	Standard: DSC incl. ABS and M Dynamic Mode, CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, Active M Differential	
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, crash sensors, Tyre Pressure Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with M specific Servotronic function and variable ratios	
Steering ratio, overall	:1	15.0
Tyres, front/rear	265/30 ZR20 94Y XL TL 285/30 ZR20 99Y XL TL	
Rims, front/rear	9J x 20 light-alloy 10J x 20 light-alloy	

BMW M4 Competition Coupe			
Transmission			
Type of gearbox		6-speed manual (7-speed M Steptronic with double clutch and 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 (DIN)	kg/kW		4.7 (4.8)
Output per litre	kW/l		111.1
Acceleration 0–100 km/h	s		4.2 (4.0)
Top speed	km/h		250 / 280 <sup>2)</sup>
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, BMW EfficientLightweight, on-demand operation of ancillary units, Lithium-Ion battery map-controlled oil pump, differential with optimized-warm-up behaviour	
Fuel consumption EU cycle			
Urban	ltr/100 km		12.6 – 12.6 (11.7 – 11.6)
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CO <sub>2</sub>	g/km		227 – 225 (213 – 211)
Emission rating			EU6d-TEMP

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