

# Technical specifications.

## BMW 2 Series Coupé.

### 220i.



BMW 220i Coupé		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4537 / 1838 / 1390
Wheelbase	mm	2741
Track, front/rear	mm	1575 / 1587
Ground clearance	mm	128
Turning circle	m	11.1
Fuel tank capacity	approx. l	52
Engine oil <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1490 / 1565
Max. load to DIN	kg	475
Max. permissible weight	kg	1965
Max. axle load, front/rear	kg	960 / 1105
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	390
Air resistance	c <sub>d</sub>	0.26
<b>Power Unit</b>		
Config./No. of cyls./valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max. output	kW/hp	135 / 184
at	rpm	5000 – 6500
Max. torque	Nm	300
at	rpm	1350 – 4000
<b>Electrical System</b>		
Battery/installation	Ah/-	80 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, fading compensation, drive-off assistant; optional: M Sport suspension
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 pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 220i Coupé</b>			
<b>Transmission</b>			
Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		11.0
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		7.5
Top speed	km/h		236
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE</b>			
Combined (WLTP)	l/100		6.8 – 6.3
CO <sub>2</sub> (WLTP)	g/km		155 – 144
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Height including roof fin

<sup>2)</sup> Oil change

Official fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures were determined based on the prescribed measurement procedure in accordance with European Regulation (EC) 2007/715 in the version applicable. They refer to vehicles in the German market. Where a range is shown, NEDC figures consider the different sizes of the selected wheels/tyres, while WLTP figures take into account the impact of any optional extras.

WLTP values are used for determining vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions as well as eligibility for any applicable vehicle-specific subsidies. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

# BMW 2 Series Coupé. M240i xDrive.

BMW M240i xDrive Coupé		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4548 / 1838 / 1404
Wheelbase	mm	2741
Track, front/rear	mm	1579 / 1569
Ground clearance	mm	128
Turning circle	m	11.6
Fuel tank capacity	approx. l	52
Engine oil <sup>2)</sup>	l	7.2
Weight, unladen, to DIN/EU	kg	1690 / 1765
Max. load to DIN	kg	475
Max. permissible weight	kg	2165
Max. axle load, front/rear	kg	1090 / 1160
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	390
Air resistance	c <sub>d</sub>	0.30
<b>Power Unit</b>		
Config./No. of cyls./valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min. RON 91
Max. output	kW/hp	275 / 374
at	rpm	5500 – 6500
Max. torque	Nm	500
at	rpm	1900 – 5000
<b>Electrical System</b>		
Battery/installation	Ah/-	80 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, fading compensation, drive-off assistant, all-wheel-drive system xDrive linked with DSC, M Sport suspension, M Sport differential; optional: Adaptive M suspension
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 pressure indicator
Steering		Electric Power Steering (EPS), variable sport steering with Servotronic function
Steering ratio, overall	:1	13.6
Tyres, front/rear		225/40 R19 93Y XL / 255/35 R19 96Y XL
Rims, front/rear		8.5J x 19 light-alloy / 8J x 19 light-alloy

**BMW M240i xDrive Coupé**

<b>Transmission</b>			
Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		6.1
Output per litre	kW/l		91.7
Acceleration 0–100 km/h	s		4.3
Top speed	km/h		250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
<b>Fuel Consumption ECE</b>			
Combined (WLTP)	l/100		8.8 – 8.1
CO <sub>2</sub> (WLTP)	g/km		200 – 185
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Height including roof fin

<sup>2)</sup> Oil change

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WLTP values are used for determining vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions as well as eligibility for any applicable vehicle-specific subsidies. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).

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# BMW 2 Series Coupé. 220d.

BMW 220d Coupé		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4537 / 1838 / 1390
Wheelbase	mm	2741
Track, front/rear	mm	1575 / 1587
Ground clearance	mm	1280
Turning circle	m	11.1
Fuel tank capacity	approx. l	51
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1580 / 1655
Max. load to DIN	kg	475
Max. permissible weight	kg	2055
Max. axle load, front/rear	kg	995 / 1160
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	390
Air resistance	c <sub>d</sub>	0.26
<b>Power Unit</b>		
Config./No. of cyls./valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max. output	kW/hp	140 / 190
at	rpm	4000
Max. torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/–	80 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, fading compensation, drive-off assistant; optional: M Sport suspension
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 pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 220d Coupé</b>			
<b>Transmission</b>			
Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		11.3
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		6.9
Top speed	km/h		237
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
<b>Fuel Consumption ECE</b>			
Combined (WLTP)	l/100		5.1 – 4.7
CO <sub>2</sub> (WLTP)	g/km		132 – 122
Emission rating			Euro 6d

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<sup>2)</sup> Oil change

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