

# Technical specifications.

## BMW 4 Series Convertible.

### 420i.



BMW 420i Convertible		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height (unladen)	mm	4768 / 1852 / 1384
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1612
Ground clearance	mm	124
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>1)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1690 / 1765
Max. load to DIN	kg	495
Max. permissible weight	kg	2185
Max. axle load, front/rear	kg	990 / 1240
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	- / 75
Luggage comp. capacity	l	385
Air resistance	c <sub>x</sub> x A	0.28 x 2.19
<b>Engine</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
Nominal power	kW/hp	135 / 184
at	rpm	5000 – 6500
Nominal 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 bearings
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant; optional: M Sport suspension, adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, crash sensors, rollover protection system, 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

BMW 420i Convertible			
Transmission			
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
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.5
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		8.2
Top speed	km/h		236
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), 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	
Fuel Consumption ECE			
Combined (WLTP)	l/100		7.4 – 6.7
Combined (NEDC)	l/100		–
CO <sub>2</sub> (WLTP)	g/km		169 – 152
CO <sub>2</sub> (NEDC)	g/km		–
Emission rating			Euro 6e

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

<sup>1)</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. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

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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 4 Series Convertible. M440i xDrive.

BMW M440i xDrive Convertible		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height (unladen)	mm	4770 / 1852 / 1394
Wheelbase	mm	2851
Track, front/rear	mm	1583 / 1592
Ground clearance	mm	126
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil <sup>1)</sup>	l	7.2
Weight, unladen, to DIN/EU	kg	1890 / 1965
Max. load to DIN	kg	485
Max. permissible weight	kg	2375
Max. axle load, front/rear	kg	1115 / 1285
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	- / 75
Luggage comp. capacity	l	385
Air resistance	c <sub>x</sub> x A	0.28 x 2.19
<b>Engine</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
Nominal power	kW/hp	275 / 374
at	rpm	5500 – 6500
Nominal torque	Nm	500
at	rpm	1900 – 5000
48V mild hybrid technology		
Nominal power	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 bearings
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Four-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, xDrive all-wheel-drive system networked 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 with combined head airbags, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator
Steering		Electric Power Steering (EPS), variable sport steering with Servotronic function
Steering ratio, overall	:1	13.6
Tyres, front/rear		225/45 R18 95Y XL 255/40 R18 99Y XL
Rims, front/rear		7.5J x 18 light-alloy/ 8.5J x 18 light-alloy

BMW M440i xDrive Convertible			
Transmission			
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
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.9
Output per litre	kW/l		91.7
Acceleration 0–100 km/h	s		4.9
Top speed	km/h		250
BMW EfficientDynamics			
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, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Combined (WLTP)	l/100		8.7 – 8.1
Combined (NEDC)	l/100		–
CO <sub>2</sub> (WLTP)	g/km		197 – 182
CO <sub>2</sub> (NEDC)	g/km		–
Emission rating			Euro 6e

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

<sup>1)</sup> Oil change

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# BMW 4 Series Convertible. 420d.

BMW 420d Convertible		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height (unladen)	mm	4768 / 1852 / 1384
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1612
Ground clearance	mm	124
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>1)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1775 / 1850
Max. load to DIN	kg	485
Max. permissible weight	kg	2260
Max. axle load, front/rear	kg	1030 / 1270
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	- / 75
Luggage comp. capacity	l	385
Air resistance	c <sub>x</sub> x A	0.27 x 2.19
<b>Engine</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 valve injectors (max. injection pressure: 2500 bar)	
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Nominal power	kW/hp	140 / 190
at	rpm	4000
Nominal torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology		
Nominal power	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 bearings	
Suspension, rear	Five-link axle in lightweight aluminium-steel construction	
Brakes, front	Single-piston floating-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
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, Start-Off Assistant; optional: M Sport suspension, adaptive M suspension	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, crash sensors, rollover protection system, 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

BMW 420d Convertible			
Transmission			
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
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.7
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.6
Top speed	km/h		236
BMW EfficientDynamics			
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	
Fuel Consumption ECE			
Combined (WLTP)	l/100		5.8 – 5.2
Combined (NEDC)	l/100		–
CO <sub>2</sub> (WLTP)	g/km		153 – 136
CO <sub>2</sub> (NEDC)	g/km		–
Emission rating			Euro 6e

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<sup>1)</sup> Oil change

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# BMW 4 Series Convertible. M440d xDrive.

BMW M440d xDrive Convertible		
<b>Body</b>		
No. of doors / seats		2 / 4
Length/width/height (unladen)	mm	4770 / 1852 / 1394
Wheelbase	mm	2851
Track, front/rear	mm	1583 / 1592
Ground clearance	mm	126
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil <sup>1)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	1980 / 2055
Max. load to DIN	kg	485
Max. permissible weight	kg	2465
Max. axle load, front/rear	kg	1160 / 1330
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	- / 75
Luggage comp. capacity	l	385
Air resistance	C <sub>x</sub> x A	0.28 x 2.19
<b>Engine</b>		
Config./No. of cyls./valves		In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage charging, high- and low-pressure turbocharger with variable-geometry, common rail direct injection with piezo injectors (max. injection pressure: 2700 bar)	
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Nominal power	kW/hp	250 / 340
at	rpm	4400
Nominal torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology		
Nominal power	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 bearings	
Suspension, rear	Five-link axle in lightweight aluminium-steel construction	
Brakes, front	Four-piston fixed-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
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, Start-Off Assistant, xDrive all-wheel-drive system networked 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 with combined head airbags, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator	
Steering	Electric Power Steering (EPS), variable sport steering with Servotronic function	
Steering ratio, overall	:1	13.6
Tyres, front/rear		225/45 R18 95Y XL 255/40 R18 99Y XL
Rims, front/rear		7.5J x 18 light-alloy/ 8.5J x 18 light-alloy

BMW M440d xDrive Convertible			
Transmission			
Type of transmission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.9
Output per litre	kW/l		83.5
Acceleration 0–100 km/h	s		5.0
Top speed	km/h		250
BMW EfficientDynamics			
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, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter	
Fuel Consumption ECE			
Combined (WLTP)	l/100		6.9 – 6.4
Combined (NEDC)	l/100		–
CO <sub>2</sub> (WLTP)	g/km		182 – 167
CO <sub>2</sub> (NEDC)	g/km		–
Emission rating			Euro 6e

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<sup>1)</sup> Oil change

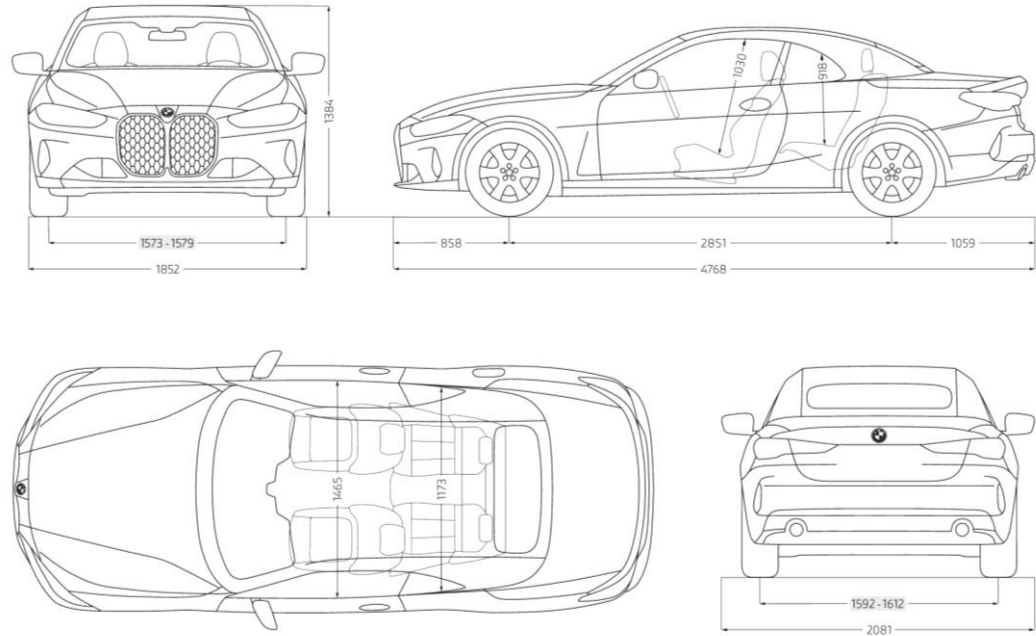
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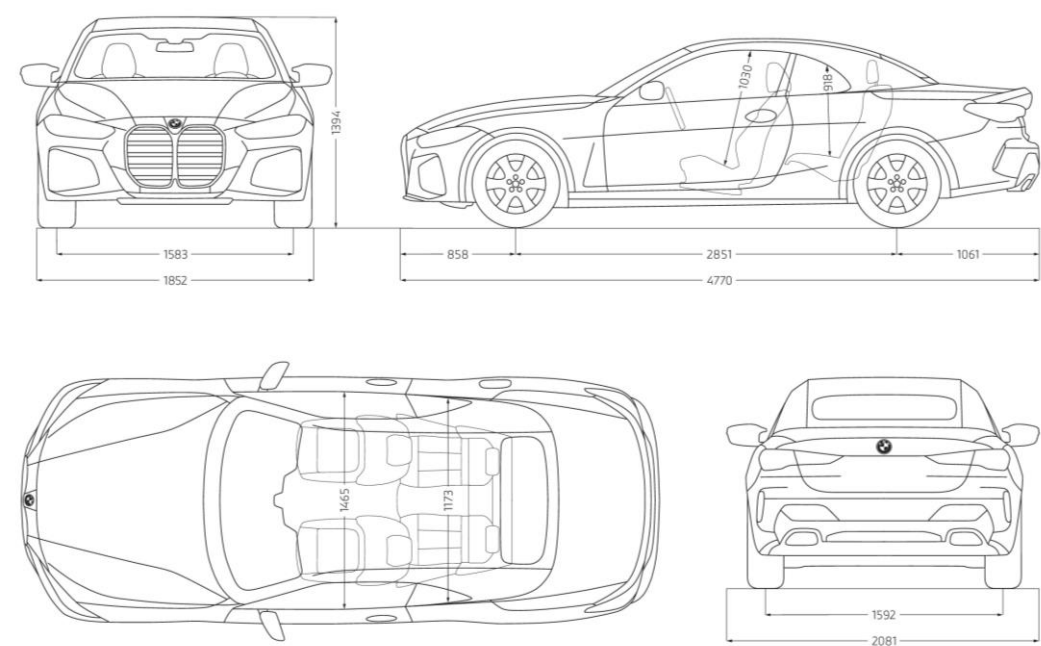


# Exterior and interior dimensions. BMW 4 Series Convertible.



The dimensions indicated in the technical drawing are in millimetres and may vary depending on the model and the items of optional equipment fitted.

# BMW 4 Series Convertible. M440i xDrive, M440d xDrive.



The dimensions indicated in the technical drawing are in millimetres and may vary depending on the model and the items of optional equipment fitted.