

Technical specifications.

BMW 4 Series Convertible.

420i.



BMW 420i Convertible		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4768 / 1852 / 1384
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	124
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	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/max towbar download	kg	- / 75
Luggage comp capacity	l	385
Air resistance	C _d x A	0.28 x 2.19
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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
Electrical System		
Battery/installation	Ah/-	80 / luggage compartment
Driving Dynamics and Safety		
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, 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 on all seats with belt tensioner and belt force limiter at the front, 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, 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			
Urban (NEDC)	l/100 km		7.4 – 7.1
Extra-urban (NEDC)	l/100 km		5.4 – 4.9
Combined (NEDC)	l/100 km		6.1 – 5.7
Combined (WLTP)	l/100 km		7.4 – 6.7
CO ₂ (NEDC)	g/km		140 – 131
CO ₂ (WLTP)	g/km		169 – 152
Emission rating			Euro 6d

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

¹⁾ Oil change

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

BMW 4 Series Convertible. 430i.

BMW 430i Convertible		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4768 / 1852 / 1384
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	124
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1715 / 1790
Max load to DIN	kg	485
Max permissible weight	kg	2200
Max axle load, front/rear	kg	1000 / 1240
Max trailer load		
braked (12%/unbraked)	kg	1600 / 750
Max roofload/max towbar download	kg	- / 75
Luggage comp capacity	l	385
Air resistance	C _d x A	0.28 x 2.19
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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	10.2
Fuel		min. RON 91
Max output	kW/hp	190 / 258
at	rpm	5000 – 6500
Max torque	Nm	400
at	rpm	1550 – 4400
Electrical System		
Battery/installation	Ah/-	80 / luggage compartment
Driving Dynamics and Safety		
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, Start-Off Assistant; optional: M Sport suspension, Adaptive M suspension, M Sport differential
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 on all seats with belt tensioner and belt force limiter at the front, 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 430i 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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		9,0
Output per litre	kW/l		95.1
Acceleration 0–100 km/h	s		6,2
Top speed	km/h		250
BMW EfficientDynamics			
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		
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		7.8 – 7.5
Extra-urban (NEDC)	l/100 km		5.6 – 5.2
Combined (NEDC)	l/100 km		6.4 – 6.0
Combined (WLTP)	l/100 km		7.7 – 6.9
CO ₂ (NEDC)	g/km		147 – 138
CO ₂ (WLTP)	g/km		176 – 158
Emission rating			Euro 6d

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

¹⁾ Oil change

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

BMW 4 Series Convertible. M440i xDrive.

BMW M440i xDrive Convertible		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4770 / 1852 / 1394
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	126
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	l	7.2
Weight, unladen, to DIN/EU	kg	1890 / 1965
Max load to DIN	kg	500
Max permissible weight	kg	2390
Max axle load, front/rear	kg	1120 / 1300
Max trailer load		
braked (12%/unbraked)	kg	1800 / 750
Max roofload/max towbar download	kg	- / 75
Luggage comp capacity	l	385
Air resistance	C _d x A	0.28 x 2.19
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	80 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
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, Start-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 with combined head airbags, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, 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

Urban (NEDC)	l/100 km	9.3 – 8.9
Extra-urban (NEDC)	l/100 km	6.2 – 5.8
Combined (NEDC)	l/100 km	7.4 – 6.9
Combined (WLTP)	l/100 km	8.4 – 7.8
CO ₂ (NEDC)	g/km	169 – 159
CO ₂ (WLTP)	g/km	192 – 177
Emission rating		Euro 6d

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

¹⁾ Oil change

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

BMW 4 Series Convertible. 420d.

BMW 420d Convertible		
Body		
No of doors/seats		2 / 4
Length/width/height (unladen)	mm	4768 / 1852 / 1384
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	124
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil ¹⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1775 / 1850
Max load to DIN	kg	495
Max permissible weight	kg	2270
Max axle load, front/rear	kg	1025 / 1280
Max trailer load		
braked (12%/unbraked)	kg	1600 / 750
Max roofload/max towbar		
download	kg	- / 75
Luggage comp capacity	l	385
Air resistance	C _d x A	0.27 x 2.19
Power Unit		
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
Electrical System		
12V battery/installation	Ah/-	80 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
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, 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 on all seats with belt tensioner and belt force limiter at the front, 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

Urban (NEDC)	l/100 km	5.0 – 4.7
Extra-urban (NEDC)	l/100 km	4.3 – 3.9
Combined (NEDC)	l/100 km	4.5 – 4.2
Combined (WLTP)	l/100 km	5.5 – 4.9
CO ₂ (NEDC)	g/km	119 – 111
CO ₂ (WLTP)	g/km	143 – 127
Emission rating		Euro 6d

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

¹⁾ Oil change

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.