

Technical specifications.

BMW 4 Series Coupé.

420i.



BMW 420i Coupé		
Body		
No. of doors / seats		2 / 4
Length/width/height ¹⁾ (unladen)	mm	4768 / 1852 / 1383
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1612
Ground clearance	mm	127
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1525 / 1600
Max. load to DIN	kg	490
Max. permissible weight	kg	2015
Max. axle load, front/rear	kg	970 / 1120
Max. trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	440
Air resistance	c _x x A	0.25 x 2.19
Engine		
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
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 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, head airbags for the front and rear seats, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, 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

BMW 420i Coupé			
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		11.3
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		7.5
Top speed	km/h		240
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		7.1 – 6.3
Combined (NEDC)	l/100		–
CO ₂ (WLTP)	g/km		161 – 143
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6e

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

¹⁾ Height incl. roof fin

²⁾ Oil change

Official fuel consumption, CO₂ 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 CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ 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 Coupé. M440i xDrive.

BMW M440i xDrive Coupé		
Body		
No. of doors / seats		2 / 4
Length/width/height ¹⁾ (unladen)	mm	4770 / 1852 / 1393
Wheelbase	mm	2851
Track, front/rear	mm	1583 / 1592
Ground clearance	mm	129
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	7.2
Weight, unladen, to DIN/EU	kg	1735 / 1810
Max. load to DIN	kg	485
Max. permissible weight	kg	2220
Max. axle load, front/rear	kg	1120 / 1165
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	440
Air resistance	c _x x A	0.28 x 2.19
Engine		
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
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 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, head airbags for the front and rear seats, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, 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		225/45 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 Coupé			
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		6.3
Output per litre	kW/l		91.7
Acceleration 0–100 km/h	s		4.5
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 km		8.5 – 7.7
Combined (NEDC)	l/100 km		–
CO ₂ (WLTP)	g/km		191 – 174
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6e

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

¹⁾ Height incl. roof fin

²⁾ Oil change

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BMW 4 Series Coupé. 420d xDrive.

BMW 420d xDrive Coupé		
Body		
No. of doors / seats		2 / 4
Length/width/height ¹⁾ (unladen)	mm	4768 / 1852 / 1390
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1612
Ground clearance	mm	126
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1670 / 1745
Max. load to DIN	kg	485
Max. permissible weight	kg	2155
Max. axle load, front/rear	kg	1075 / 1150
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	440
Air resistance	c _x x A	0.25 x 2.19
Engine		
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
Electrical System		
12V battery/installation	Ah/–	70 / 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 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, xDrive all-wheel-drive system networked with DSC; optional: M Sport suspension, adaptive M suspension	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for the front and rear seats, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering	
Steering ratio, overall	:1	14.9
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5 x 17 light-alloy

BMW 420d xDrive Coupé			
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	11.9
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	7.4
Top speed		km/h	238
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 km	5.9 – 5.1
Combined (NEDC)		l/100 km	–
CO ₂ (WLTP)		g/km	154 – 135
CO ₂ (NEDC)		g/km	–
Emission rating			Euro 6e

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

¹⁾ Height incl. roof fin

²⁾ Oil change

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BMW 4 Series Coupé. M440d xDrive.

BMW M440d xDrive Coupé		
Body		
No. of doors / seats		2 / 4
Length/width/height ¹⁾ (unladen)	mm	4770 / 1852 / 1393
Wheelbase	mm	2851
Track, front/rear	mm	1583 / 1592
Ground clearance	mm	129
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1820 / 1895
Max. load to DIN	kg	485
Max. permissible weight	kg	2305
Max. axle load, front/rear	kg	1150 / 1210
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	440
Air resistance	c _x x A	0.28 x 2.19
Engine		
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
Electrical System		
12V battery/installation	Ah/–	90 / 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 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, head airbags for the front and rear seats, three-point inertia-reel seatbelts for all seats, front seats with belt latch tensioner and belt force limiter, 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		225/45 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 Coupé			
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	7.3
Output per litre		kW/l	83.5
Acceleration	0–100 km/h	s	4.6
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 km	6.7 – 6.1
Combined (NEDC)		l/100 km	–
CO ₂ (WLTP)		g/km	175 – 160
CO ₂ (NEDC)		g/km	–
Emission rating			Euro 6e

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

¹⁾ Height incl. roof fin

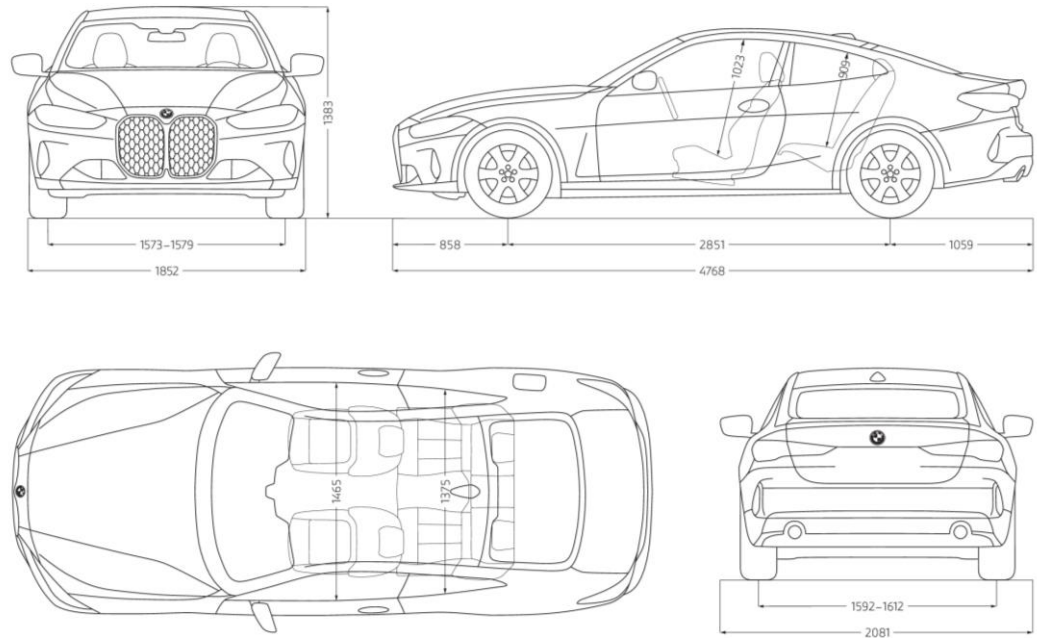
²⁾ Oil change

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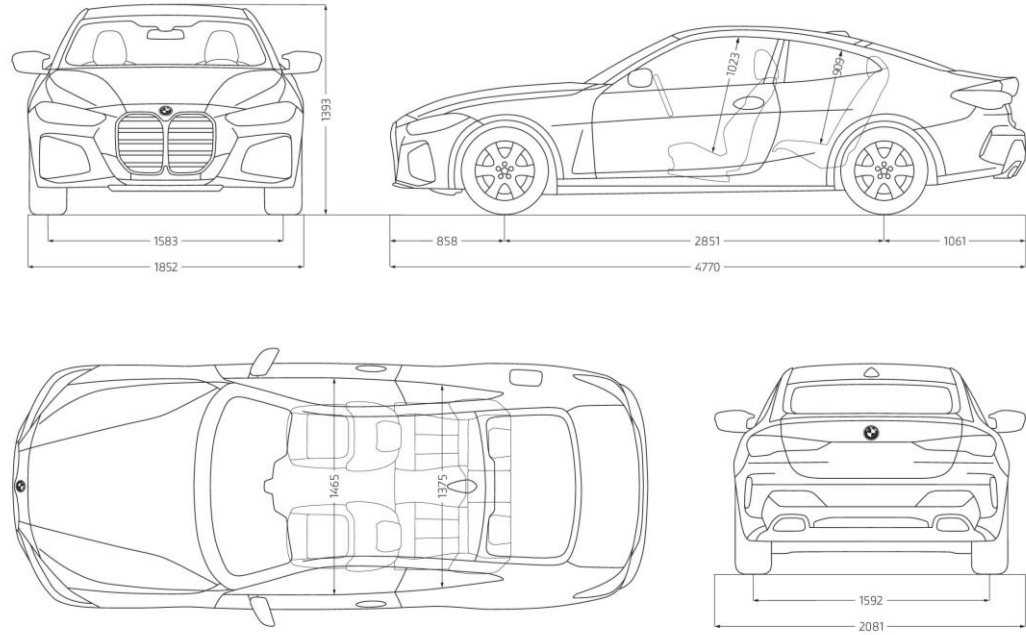
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Exterior and interior dimensions. BMW 4 Series Coupé.



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 Coupé. 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.