

# Technical specifications.

## BMW 4 Series Coupe.

### 420i xDrive.



BMW 420i xDrive Coupe		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1590 / 1665
Max load to DIN	kg	490
Max permissible weight	kg	2080
Max axle load, front/rear	kg	1020 / 1130
Max trailer load		
braked (12%/unbraked)	kg	1800 / 750
Max roofload/max towbar		
download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	c <sub>d</sub> x A	0.26 x 2.19
<b>Power Unit</b>		
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
<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, Start-Off Assistant, all-wheel-drive system xDrive linked 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 with combined head airbags, 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	14.9
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 420i xDrive Coupe			
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	11.8
Output per litre		kW/l	67.6
Acceleration	0–100 km/h	s	7.8
Top speed		km/h	238
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, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Combined (WLTP)		l/100 km	7.5 – 6.6
CO <sub>2</sub> (WLTP)		g/km	170 – 151
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 aerial  
<sup>2)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> 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.

WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. NEDC values listed were determined on the basis of the new WLTP measurement method and, for comparability, recalculated back to the NEDC measurement procedure where applicable. For vehicles that have been type-tested since 01.01.2021, the official information only exists in accordance with the WLTP. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 4 Series Coupe. 430i xDrive.

BMW 430i xDrive Coupe		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	l	5.75
Weight, unladen, to DIN/EU	kg	1605 / 1680
Max load to DIN	kg	490
Max permissible weight	kg	2095
Max axle load, front/rear	kg	1030 / 1130
Max trailer load braked (12%/unbraked)	kg	1800 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	c <sub>d</sub> x A	0.26 x 2.19
<b>Power Unit</b>		
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	180 / 245
at	rpm	4500 – 6500
Max torque	Nm	400
at	rpm	1600 – 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, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; 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, 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		7.5J x 17 light-alloy

BMW 430i xDrive Coupe			
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	8.9
Output per litre		kW/l	90.1
Acceleration	0–100 km/h	s	5.7
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, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Combined (WLTP)		l/100 km	7.7 – 6.9
CO <sub>2</sub> (WLTP)		g/km	176 – 157
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 aerial  
<sup>2)</sup> Oil change volume

Fuel consumption, CO<sub>2</sub> 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.

WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. NEDC values listed were determined on the basis of the new WLTP measurement method and, for comparability, recalculated back to the NEDC measurement procedure where applicable. For vehicles that have been type-tested since 01.01.2021, the official information only exists in accordance with the WLTP. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW 4 Series Coupe. M440i.

BMW M440i Coupe		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4770 / 1852 / 1386
Wheelbase	mm	2851
Track, front/rear	mm	1583 / 1592
Ground clearance	mm	130
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	1695 / 1770
Max load to DIN	kg	495
Max permissible weight	kg	2190
Max axle load, front/rear	kg	1070 / 1180
Max trailer load		
braked (12%/unbraked)	kg	1800 / 750
Max roofload/max towbar		
download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	c <sub>d</sub> x A	0.28 x 2.19
<b>Power Unit</b>		
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
<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 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, 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, tyre pressure indicator	
Steering	Electric Power Steering (EPS), variable sport steering with Servotronic function	
Steering ratio, overall	:1	13.2
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 Coupe			
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	6.2
Output per litre		kW/l	91.7
Acceleration	0–100 km/h	s	4.8
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, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Combined (WLTP)		l/100 km	8.1 – 7.4
CO <sub>2</sub> (WLTP)		g/km	184 – 167
Emission rating			Euro 6d

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- <sup>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

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