

Technical specifications.

BMW 4 Series Gran Coupé.

420i.



BMW 420i Gran Coupé		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1595 / 1623
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1620 / 1695
Max load to DIN	kg	555
Max permissible weight	kg	2175
Max axle load, front/rear	kg	1015 / 1245
Max trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max roofload/max towbar		
download	kg	75 / 75
Luggage comp capacity	l	470 – 1290
Air resistance	c _d x A	0.26 x 2.31
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		Two-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, adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, 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	14.8
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 420i Gran 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	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.0
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		7.9
Top speed	km/h		235
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			
Combined (WLTP)	l/100		7.3 – 6.6
CO ₂ (WLTP)	g/km		166 – 150
Emission rating			Euro 6d

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

¹⁾ Height including 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. 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 CO₂ 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.com/wltp.

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 Gran Coupé. 430i.

BMW 430i Gran Coupé		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1595 / 1623
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1645 / 1720
Max load to DIN	kg	555
Max permissible weight	kg	2200
Max axle load, front/rear	kg	1025 / 1255
Max trailer load		
braked (12%/unbraked)	kg	1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	470 – 1290
Air resistance	c _d x A	0.26 x 2.31
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	180 / 245
at	rpm	4500 – 6500
Max torque	Nm	400
at	rpm	1600 – 4000
Electrical System		
Battery/installation	Ah/–	80 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Two-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, adaptive M suspension, M Sport differential
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, 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	14.8
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 430i Gran 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	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		9.1
Output per litre	kW/l		90.1
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			
Combined (WLTP)	l/100		7.6 – 6.8
CO ₂ (WLTP)	g/km		173 – 156
Emission rating			Euro 6d

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

¹⁾ Height including roof fin

²⁾ Oil change

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BMW 4 Series Gran Coupé. M440i xDrive.

BMW M440i xDrive Gran Coupé		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1587 / 1614
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	7.2
Weight, unladen, to DIN/EU	kg	1825 / 1900
Max load to DIN	kg	555
Max permissible weight	kg	2380
Max axle load, front/rear	kg	1145 / 1325
Max trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	470 – 1290
Air resistance	c _d x A	0.30 x 2.31
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		Two-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 for front and rear seats, 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		245/45 R18 100Y XL
Rims, front/rear		8.5J x 18 light-alloy

BMW M440i xDrive Gran 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	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.6
Output per litre	kW/l		91.7
Acceleration 0–100 km/h	s		4.7
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		8.5 – 8.0
CO ₂ (WLTP)	g/km		193 – 181
Emission rating			Euro 6d

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¹⁾ Height including roof fin

²⁾ Oil change

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BMW 4 Series Gran Coupé. 420d.

BMW 420d Gran Coupé		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1595 / 1623
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1705 / 1780
Max load to DIN	kg	555
Max permissible weight	kg	2260
Max axle load, front/rear	kg	1060 / 1310
Max trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max roofload/max towbar		
download	kg	75 / 75
Luggage comp capacity	l	470 – 1290
Air resistance	c _d x A	0.26 x 2.31
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/-	70 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Two-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, adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, 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	14.8
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 420d Gran 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	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.2
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.3
Top speed	km/h		235
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		5.4 – 4.8
CO ₂ (WLTP)	g/km		141 – 126
Emission rating			Euro 6d

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¹⁾ Height including roof fin

²⁾ Oil change

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BMW 420d xDrive Gran Coupé		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1597 / 1624
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil ²⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1760 / 1835
Max load to DIN	kg	555
Max permissible weight	kg	2315
Max axle load, front/rear	kg	1105 / 1315
Max trailer load		
braked (12%)/unbraked	kg	1600 / 750
Max roofload/max towbar		
download	kg	75 / 75
Luggage comp capacity	l	470 – 1290
Air resistance	c _d x A	0.26 x 2.31
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/-	70 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Two-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; 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, head airbags for front and rear seats, 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	15.1
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 420d xDrive Gran 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	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.6
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.6
Top speed	km/h		233
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		5.7 – 5.1
CO ₂ (WLTP)	g/km		150 – 133
Emission rating			Euro 6d

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¹⁾ Height including roof fin

²⁾ Oil change

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