

# Technical specifications.

## BMW 4 Series Gran Coupé.

### 420i.



BMW 420i Gran Coupé		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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/towbar download	kg	75 / 75
Luggage comp. capacity	l	470 – 1290
Air resistance	c <sub>x</sub> x A	0.26 x 2.31
<b>Power Unit</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
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; 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 front and rear, 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		225/55 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, Automatic Start Stop function, Optimum Shift Indicator in manual shift mode, 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	
Environmental			
Energy consumption (WLTP combined)		l/100 km	7.3 – 6.6
CO <sub>2</sub> (WLTP combined)		g/km	166 – 150
Emission rating			Euro 6e
CO <sub>2</sub> class(es)			F – E

Specifications apply to ACEA markets. WLTP data and weight data apply to the German market.

<sup>1)</sup> Height incl. roof fin

<sup>2)</sup> Oil change

# BMW 4 Series Gran Coupé. M440i xDrive.

BMW M440i xDrive Gran Coupé		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4783 / 1852 / 1442
Wheelbase	mm	2856
Track, front/rear	mm	1585 / 1612
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	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/towbar download	kg	75 / 75
Luggage comp. capacity	l	470 – 1290
Air resistance	c <sub>x</sub> x A	0.30 x 2.31
<b>Power Unit</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
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/–	10 / 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, 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 front and rear, 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, Automatic Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator in manual shift mode, 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	
Environmental			
Energy consumption (WLTP combined)	l/100 km		8.8 – 8.2
CO <sub>2</sub> (WLTP combined)	g/km		199 – 186
Emission rating			Euro 6e
CO <sub>2</sub> class(es)			G

Specifications apply to ACEA markets. WLTP data and weight data apply to the German market.

<sup>1)</sup> Height incl. roof fin  
<sup>2)</sup> Oil change

# BMW 4 Series Gran Coupé. 420d xDrive.

BMW 420d xDrive Gran Coupé		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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/towbar download	kg	75 / 75
Luggage comp. capacity	l	470 – 1290
Air resistance	c <sub>x</sub> x A	0.26 x 2.31
<b>Power Unit</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 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
<b>Electrical System</b>		
12V battery/installation	Ah/–	70 / 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 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, 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 front and rear, 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		225/55 R17 101Y XL
Rims, front/rear		7.5 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
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, Automatic Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator in manual shift mode, 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	
Environmental			
Energy consumption (WLTP combined)		l/100 km	6.0 – 5.3
CO <sub>2</sub> (WLTP combined)		g/km	156 – 139
Emission rating			Euro 6e
CO <sub>2</sub> class(es)			F – E

Specifications apply to ACEA markets. WLTP data and weight data apply to the German market.

<sup>1)</sup> Height incl. roof fin

<sup>2)</sup> Oil change

# BMW 4 Series Gran Coupé. 430d xDrive.

BMW 430d xDrive Gran Coupé		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	1845 / 1920
Max. load to DIN	kg	555
Max. permissible weight	kg	2400
Max. axle load, front/rear	kg	1155 / 1320
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	75 / 75
Luggage comp. capacity	l	470 – 1290
Air resistance	c <sub>x</sub> x A	0.26 x 2.31
<b>Power Unit</b>		
Config./No. of cyls./valves		In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet 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
Max. output	kW/hp	210 / 286
at	rpm	4000
Max. torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max. output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/–	92 / luggage compartment
48V battery/installation	Ah/–	10 / 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 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, xDrive all-wheel-drive system networked 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, head airbags front and rear, 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		225/55 R17 101Y XL
Rims, front/rear		7.5 x 17 light-alloy

BMW 430d xDrive Gran 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	8.8
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	5.3
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Automatic Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator in manual shift mode, 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	
Environmental			
Energy consumption (WLTP combined)		l/100 km	6.3 – 5.7
CO <sub>2</sub> (WLTP combined)		g/km	166 – 151
Emission rating			Euro 6e
CO <sub>2</sub> class(es)			F – E

Specifications apply to ACEA markets. WLTP data and weight data apply to the German market.

<sup>1)</sup> Height incl. roof fin

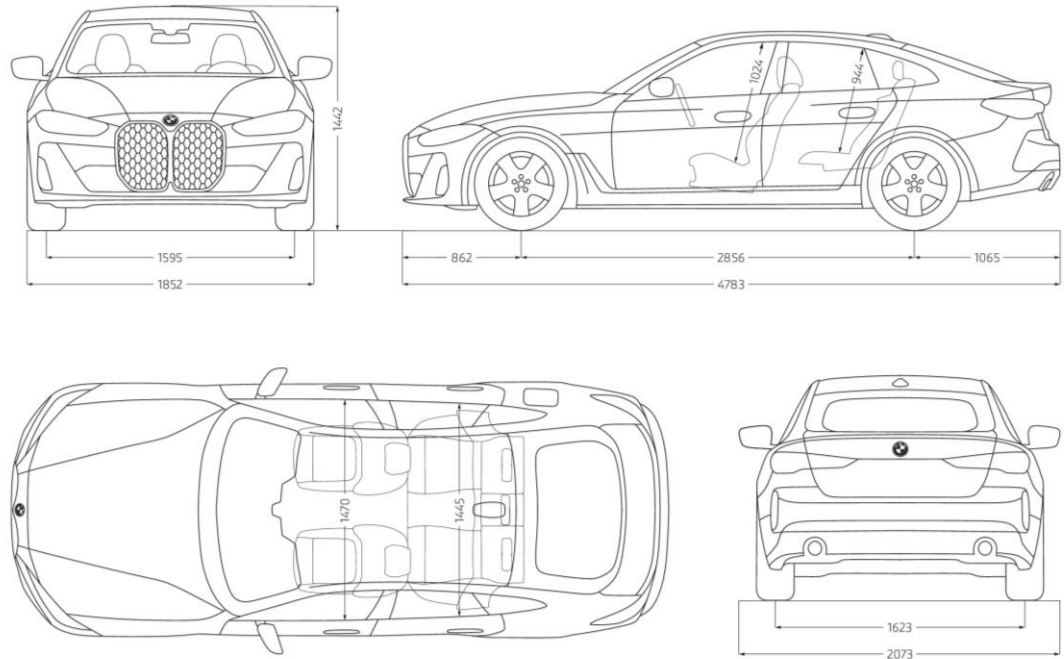
<sup>2)</sup> Oil change

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.

Further information on the WLTP measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).



# Exterior and interior dimensions. BMW 4 Series Gran 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.