

Specifications.

BMW 4 Series Gran Coupe.

420i, 430i



		BMW 420i Gran Coupe	BMW 430i Gran Coupe
Body			
No. of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	4638 / 1825 / 1389	4638 / 1825 / 1389
Wheelbase	mm	2810	2810
Front/rear track	mm	1545 / 1594	1545 / 1594
Ground clearance	mm	130	130
Turning circle	m	11.3	11.3
Fuel capacity	approx. l	60	60
Engine oil capacity ¹⁾	l	5.25	5.25
Weight, unladen (DIN/EU)	kg	1520 / 1595 (1540 / 1615)	1520 / 1595 (1540 / 1615)
Payload (DIN)	kg	560	560
Permitted total weight	kg	2080 (2100)	2080 (2100)
Permitted axle load, front/rear	kg	945 / 1210	940 / 1215
Permitted trailer load (12%) braked/unbraked	kg	1400 (1500) / 695	1600 / 745
Permitted roof load/trailer download	kg	75 / 75	75 / 75
Luggage compartment capacity	l	480 – 1300	480 – 1300
Aerodynamic drag	c _x x A	0.29 x 2.16	0.29 x 2.16
Engine			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6 / 82.0	94.6 / 82.0
Compression ratio	:1	11.0	10.2
Fuel type		min RON 91	min RON 91
Output	kW/hp	135 / 184	185 / 252
at rpm	min ⁻¹	5000	5200
Torque	Nm	270	350
at rpm	min ⁻¹	1350 – 4600	1450 – 4800
Electrical			
Battery charge/location	Ah/–	90 / luggage compartment	90 / luggage compartment
Driving Dynamics and Safety			
Front suspension		Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Rear suspension		Five-link axle in lightweight steel construction	
Front brakes		Single-piston floating-calliper disc brakes, inner-vented	
Rear brakes		Single-piston floating-calliper disc brakes, inner-vented	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension	
Safety equipment		Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags front and rear, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering	
Overall steering ratio	:1	15.0	15.0
Front/rear tyres		225/50 R17 94W	225/50 R17 94W
Front/rear wheels		7,5J x 17 light-alloy	7,5J x 17 light-alloy

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Transmission				
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.002 (5.000)	3.683 (5.000)
	II	:1	2.130 (3.200)	2.062 (3.200)
	III	:1	1.396 (2.143)	1.313 (2.143)
	IV	:1	1.000 (1.720)	1.000 (1.720)
	V	:1	0.781 (1.314)	0.809 (1.314)
	VI	:1	0.668 (1.000)	0.677 (1.000)
	VII	:1	– (0.822)	– (0.822)
	VIII	:1	– (0.640)	– (0.640)
	R	:1	3.647 (3.456)	3.348 (3.456)
Differential ratio		:1	3.385 (2.813)	3.909 (2.813)
Performance				
Weight-to-power ratio (DIN unladen)		kg/kW	11.3 (11.4)	8.2 (8.3)
Specific power output		kW/l	67.6	92.6
Acceleration	0–100 km/h	sec	7.5 (7.7)	5.9 (5.9)
in 5th gear	80–120 km/h	sec	9.8 (–)	7.2 (–)
Max. speed		km/h	236 (236)	250 (250)
BMW EfficientDynamics				
BMW EfficientDynamics		Brake Energy Regeneration with recuperation display, electric power steering		
Features included as standard		(EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Fuel consumption (EU) ²⁾				
with standard wheels and tyres				
Urban		l/100 km	7.7 (7.1)	7.9 (7.0)
Extra-urban		l/100 km	4.7 (4.5)	5.1 (4.7)
Total		l/100 km	5.8 (5.5)	6.1 (5.5)
CO ₂ emissions		g/km	134 (127)	143 (129)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres,				
With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres,				
With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres				
Urban		l/100 km	8.1 (7.6)	8.4 (7.4)
Extra-urban		l/100 km	4.9 (4.7)	5.4 (4.9)
Total		l/100 km	6.1 (5.8)	6.5 (5.8)
CO ₂ emissions		g/km	141 (134)	151 (136)
Emissions standard			EU6	EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format