

# Specifications.

## BMW 4 Series Gran Coupe.

### 430d xDrive, 435d xDrive



BMW 430d xDrive Gran Coupe		BMW 435d xDrive Gran Coupe
Body		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4638 / 1825 / 1404
Wheelbase	mm	2810
Front/rear track	mm	1544 / 1590
Ground clearance	mm	145
Turning circle	m	11.8
Fuel capacity	approx. l	57
Cooling and heating system reservoir capacity	l	7.2
Engine oil capacity <sup>2)</sup>	l	6.5
Weight, unladen (DIN/EU)	kg	1675 / 1750
Payload (DIN)	kg	560
Permitted total weight	kg	2235
Permitted axle load, front/rear	kg	1050 / 1230
Permitted trailer load (12%) braked/unbraked	kg	1800 / 750
Permitted roof load/trailer download	kg	75 / 75
Luggage compartment capacity	l	480 – 1300
Aerodynamic drag	c <sub>x</sub> x A	0.29 x 2.16
Engine		
Type/no. of cylinders/valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with two turbochargers, high pressure charger with variable inlet geometry, Common Rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel type		Diesel
Output	kW/hp	190 / 258
at rpm	min <sup>-1</sup>	4000
Torque	Nm	560
at rpm	min <sup>-1</sup>	1500 – 3000
Electrical		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	170 / 2380
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 assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); optional: Adaptive Suspension	
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags for front and rear seats, 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	15.2
Front/rear tyres		225/50 R17 94W
Front/rear wheels		7,5J x 17 light-alloy

5/2014

Valid from  
7/2014

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Transmission				
Type of gearbox		8-speed Steptronic		
Gear ratios	I	:1	4.714	4.714
	II	:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.317	3.317
Differential ratio		:1	2.563	2.563
Performance				
Weight-to-power ratio (DIN unladen)		kg/kW	8.8	7.3
Specific power output		kW/l	63.5	76.8
Acceleration	0–100 km/h	sec.	5.3	4.8
	0–1,000 m	sec.	3)	3)
in 5th gear	80–120 km/h	sec.	–	–
Max. speed		km/h	250	250
BMW EfficientDynamics				
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, efficiency-optimised rear differential and power divider, tyres with reduced rolling resistance, BMW BluePerformance technology		
Fuel consumption (EU) 4)				
With standard wheels and tyres				
Urban	l/100 km		6.2	6.7
Extra-urban	l/100 km		4.9	4.9
Total	l/100 km		5.3	5.6
CO <sub>2</sub> emissions	g/km		140	146
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		6.5	6.7
Extra-urban	l/100 km		4.9	5.1
Combined	l/100 km		5.5	5.7
CO <sub>2</sub> emissions	g/km		144	149
Emissions standard			EU6	EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany

<sup>1)</sup> Height with roof aerial: 1412 mm

<sup>2)</sup> Oil change volume

<sup>3)</sup> Data not yet available

<sup>4)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format