

Specifications.

BMW 8 Series Gran Coupe.

840d xDrive.



BMW 840d xDrive Gran Coupe		
Body		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	5074 / 1932 / 1401
Wheelbase	mm	3023
Track, front/rear	mm	1627 / 1671
Ground clearance	mm	121
Turning circle	m	12.6
Tank capacity	approx. ltr	66
Engine oil ¹⁾	ltr	7.0
Weight, unladen, to DIN/EU	kg	1995 / 2070
Max. load to DIN	kg	605
Max. permissible weight	kg	2600
Max. axle load, front/rear	kg	1275 / 1425
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	75 / -
Luggage comp. capacity	ltr	440
Air resistance	C _d x A	0.29 x 2.31
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	250 / 340
at	rpm	4400
Torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage comp.
48V battery/installation	Ah/-	11 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm and specific elastokinematics
Suspension, rear		Five-link axle in aluminium/steel lightweight construction with dual elastic bearing and specific elastokinematics
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, DSC linked with xDrive all-wheel drive, Adaptive M Suspension; optional: 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 stopper, belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, Integral Active Steering
Steering ratio, overall	:1	16.4
Tyres, front/rear		245/45 R18 100Y XL/ 275/40 R18 103Y XL
Rims, front/rear		8J x 18 light-alloy / 9J x 18 light-alloy

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Transmission

Type of gearbox	8-speed Steptronic		
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	2.647

Performance

Power-to-weight ratio (DIN)	kg/kW	8.0
Output per litre	kW/l	83.5
Acceleration 0–100 km/h	s	5.0
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, BMW Blue Performance technology with SCR catalytic converter
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Fuel consumption EU cycle

Urban	ltr/100 km	7.4 – 7.1
Extra-urban	ltr/100 km	5.0 – 4.7
Combined	ltr/100 km	5.9 – 5.6
CO ₂	g/km	155 – 148
Emission rating		Euro 6d

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

¹⁾ Oil change volume

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.