

# Specifications.

## The new BMW 6 Series Gran Coupé. 640d



BMW 640d Gran Coupé		
<b>Body</b>		
Number of doors/seats		4 / 5
Length/Width/Height (unladen)	mm	5007 / 1894 / 1392
Wheelbase	mm	2968
Track front/rear	mm	1600 / 1665
Ground clearance	mm	126
Turning circle	m	11.95
Tank capacity	appr. l	70
Cooling system incl. heating	l	8.0
Engine oil <sup>1)</sup>	l	7.2
Weight, unladen, to DINEU	kg	1790 / 1865
Max. load to DIN	kg	570
Max. perm. weight, overall	kg	2390
Max perm axle load front/rear	kg	1140 / 1305
Max perm trailer load (12%) braked/unbraked	kg	- / -
Perm roof load/trail download	kg	75 / -
Luggage capacity	l	460 – 1265
Air resistance	c <sub>x</sub> x A	0.29 x 2.24
<b>Engine</b>		
Configuration/No. of cyls./valves		R / 6 / 4
Engine technology		BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo) Common Rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel grade		Diesel
Max output	kW/hp	230 / 313
at	rpm	4400
Torque	Nm	630
at	rpm	1500 – 2500
<b>Electrical system</b>		
Battery/installation	Ah/-	90 / luggage comp
Alternator	A/W	220 / 3080
<b>Driving dynamics and safety</b>		
Suspension, front	Double-track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front	Single-piston aluminium floating-calliper, frame design	
Diameter	mm	348 x 36 / vented
Brakes, rear	Single-piston aluminium floating-calliper disc brakes	
Diameter	mm	345 x 24 / vented
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control <sup>2)</sup> , Adaptive Drive	
Safety features	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 latch tensioner and belt force limiter integrated in the front seats, crash-activated head restraints at the front, crash sensors, runflat tyres, Tyre Defect Indicator	
Steering	Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Overall steering transmission	:1	17.2
Tyres front/rear		225/55 R17 97Y RSC (245/45 R18 96Y RSC <sup>2)</sup> )
Wheels front/rear		8J x 17 LM (8J x 18 LM <sup>2)</sup> )

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<b>BMW ConnectedDrive</b>			
Comfort		Optional: BMW Assist incl. Enquiry Service, remote-control functions, Real Time Traffic Information, BMW TeleServices, integration of mobile devices	
Infotainment		Optional: Internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps	
Safety		Optional Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View incl. Top View and Side View, BMW Night Vision with pedestrian recognition, Head-Up Display, Parking Assistant, Active Cruise Control with Stop & Go function, rear-end collision warning with braking function, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Automatic/Advanced Emergency Call	
<b>Transmission</b>			
Type		Eight-speed automatic with Steptronic	
Gear ratios	I		4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		7.8
Output per litre	kW/l		76.8
Acceleration	0–100 km/h	s	5.4
	0–1000 m	s	24.7
In 4th gear	80–120 km/h	s	–
Top speed	km/h		250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics measures as standard		Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO Modus, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced rolling resistance	
<b>Fuel consumption EU<sup>3)</sup></b>			
With standard wheels and tyres 8J x 17 wheels, 225/55 R17 tyres (option 2K1)			
Urban	l/100 km		6.8
Extra-urban	l/100 km		4.8
Composite	l/100 km		5.5
CO <sub>2</sub>	g/km		146
With 8J x 18 wheels and 245/45 R18 tyres (option 2D3, standard in Germany) or with winter tyres (option 9WR, 931)			
Urban	l/100 km		6.8
Extra-urban	l/100 km		4.9
Composite	l/100 km		5.6
CO <sub>2</sub>	g/km		148
With 8.5J x 19 wheels at the front, 9J x 19 at the rear and 245/40 R19 tyres at the front, 275/35 R19 at the rear (option 2DP, 2FB, 2ND, 2MZ, 2WE),			
With 8.5J x 20 wheels at the front, 9J x 20 at the rear and 245/35 R20 tyres at the front, 275/30 R20 at the rear (option 2H9, 2NM, 2NL)			
Urban	l/100 km		6.9
Extra-urban	l/100 km		4.9
Composite	l/100 km		5.7
CO <sub>2</sub>	g/km		149
Emission classification			EU5

Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weights)

<sup>1)</sup> Oil change quantity

<sup>2)</sup> Standard in Germany

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format