

Specifications.

The new BMW 6 Series Gran Coupé.

640i xDrive



BMW 640i xDrive Gran Coupé		
Body		
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	9.9
Engine oil ¹⁾	l	6.5
Weight, unladen, to DINEU	kg	1825 / 1900
Max. load to DIN	kg	570
Max. perm. weight, overall	kg	2430
Max perm axle load front/rear	kg	1180 / 1300
Max perm trailer load (12%) braked/unbraked	kg	– / –
Perm roof load/trail download	kg	75 / –
Luggage capacity	l	460 – 1265
Air resistance	c _x x A	0.32 x 2.24
Engine		
Configuration/No. of cyls./valves		R / 6 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll charging, High Precision Injection direct petrol injection, Valvetronic fully variable valve control, double-VANOS fully variable camshaft control	
Capacity	cc	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel grade		min ROZ 91
Max output	kW/hp	235 / 320
at	rpm	5800 – 6000
Max torque	Nm	450
at	rpm	1300 – 4500
Electrical system		
Battery/installation	Ah/–	90 / luggage comp
Alternator	A/W	210 / 2940
Driving dynamics and safety		
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, anti-squat and anti-dive, double acoustic separation	
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame design	
Diameter	mm	348 x 30 / 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, cross-linking of the four-wheel drive with the stability control system DSC within the Integrated Chassis Management (ICM); optional: Dynamic Damper Control ²⁾ ; 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	Hydraulic rack-and-pinion steering with Servotronic	
Overall steering transmission	:1	18.7
Tyres front/rear	225/55 R17 97Y RSC (245/45 R18 96Y RSC ²⁾)	
Wheels front/rear	8J x 17 LM (8J x 18 LM ²⁾)	

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BMW 640i xDrive Gran Coupe				
BMW ConnectedDrive				
Comfort		Extras: BMW Assist incl. Enquiry Service, remote-control functions, Real Time Traffic Information, BMW TeleServices, integration of mobile devices		
Infotainment		Extras: 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		Extras: 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, 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		
Transmission				
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	3.295	
Final drive		:1	3.231	
Performance				
Power-to-weight ratio (DIN)		kg/kW	7.8	
Output per litre		kW/l	78.9	
Acceleration		0–100 km/h	s	5.3
		0–1000 m	s	25.1
In 4th gear		80–120 km/h	s	–
Top speed		km/h	250	
BMW EfficientDynamics				
BMW EfficientDynamics measures as standard		Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, flow-controlled power-steering pump, air flap control, detachable a/c compressor, tyres with reduced rolling resistance		
Fuel consumption EU ³⁾				
With standard wheels and tyres 8J x 17 wheels, 225/55 R17 tyres (option 2K1)				
Urban		l/100 km	11.1	
Extra-urban		l/100 km	6.4	
Composite		l/100 km	8.1	
CO ₂		g/km	189	
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	11.1	
Extra-urban		l/100 km	6.4	
Composite		l/100 km	8.1	
CO ₂		g/km	189	
With 8.5J x 19 wheels at front, 9J x 19 at the rear and 245/40 R19 tyres at 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	11.3	
Extra-urban		l/100 km	6.6	
Composite		l/100 km	8.3	
CO ₂		g/km	193	
Emission classification			EU5	

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

¹⁾ Oil change quantity

²⁾ Standard in Germany

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format