

Specifications.

The new BMW 6 Series Coupe.

640d xDrive



BMW 640d xDrive Coupe

Body

Number of doors/seats		2 / 4
Length/Width/Height (unladen)	mm	4894 / 1894 / 1369
Wheelbase	mm	2855
Track front/rear	mm	1600 / 1665
Ground clearance	mm	124
Turning circle	m	11.7
Tank capacity	appr l	70
Cooling system incl. heating	l	8.0
Engine oil ¹⁾	l	7.2
Weight, unladen, to DIN/EU	kg	1795 / 1870
Max. load to DIN	kg	450
Max. perm. weight, overall	kg	2310
Max perm axle load front/rear	kg	1150 / 1220
Max perm trailer load (12%) braked/unbraked	kg	- / -
Perm roof load/trail download	kg	75 / -
Luggage capacity	l	460
Air resistance	cd x A	0.30 x 2.23

Engine

Configuration/No. of cyls./valves		R / 6 / 4
Engine technology		BMW TwinPower Turbo with two turbochargers (Variable Twin Turbo) and Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 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	min ⁻¹	4400
Torque	Nm	630
at	min ⁻¹	1500 – 2500

Electrical system

Battery/installation	Ah/-	90 / luggage comp
Alternator	A/W	220 / 3080

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 structure	
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; cross-linking of the four-wheel drive with the stability control system DSC within the Integrated Chassis Management (ICM), optional: Dynamic Damper Control, 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	18.0
Tyres front/rear	225/55 R17 97Y RSC	
Wheels front/rear	8J x 17 LM	

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BMW ConnectedDrive

Comfort	Extras: 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 including 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	:1	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

Performance

Power-to-weight ratio	kg/kW	7.8	
Output per litre	kW/l	76.8	
Acceleration	0–100 km/h	s	5.2
	0–1000 m	s	24.5
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 Modus, intelligent lightweight construction, on-demand operation of ancillary units, detachable a/c compressor
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Fuel consumption EU²⁾

With standard wheels and tyres 8J x 17 wheels, 225/55 R17 tyres (SA 2K1)		
Urban	l/100km	6.9
Extra-urban	l/100km	5.0
Composite	l/100km	5.7
CO ₂	g/km	149
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (SA 2SR, 9WR, 931)		
Urban	l/100km	7.0
Extra-urban	l/100km	5.1
Composite	l/100km	5.8
CO ₂	g/km	152
With 8J x 18 wheels at the front, 9J x 18 at the rear and 245/45 R18 tyres at the front, 275/45 R18 at the rear (SA 2DN), 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 (SA 2FB, 2DP), 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 (SA 2H9)		
Urban	l/100km	7.1
Extra-urban	l/100km	5.1
Composite	l/100km	5.8
CO ₂	g/km	153
Emission classification		EU5

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

¹⁾ Oil change quantity

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