

Specifications.

The new BMW 6 Series Convertible.

640d



BMW 640d Convertible			
Body			
Number of doors/seats			2 / 4
Length/Width/Height (unladen)	mm		4894 / 1894 / 1365
Wheelbase	mm		2855
Track front/rear	mm		1600 / 1657
Ground clearance	mm		123
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 DINEU	kg		1860 / 1935
Max. load to DIN	kg		450
Max. perm. weight, overall	kg		2340
Max perm axle load front/rear	kg		1120 / 1310
Max perm trailer load (12%) braked/unbraked	kg		- / -
Perm roof load/trail download	kg		- / -
Luggage capacity	l		300-350
Air resistance	cd x A		0.31 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
Max 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		Double track control arm with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
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; optional: Adaptive Drive	
Safety features		Standard: airbags for driver and front passenger, side airbags with combined head airbags for driver and front passenger, 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, roll-over protection system, crash sensors, 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
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, Parking Assistant, 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		8.1
Output per litre	kW/l		76.8
Acceleration	0–100 km/h	s	5.6
	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 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	
Fuel consumption EU ²⁾			
With standard wheels and tyres 8J x 17 wheels, 225/55 R17 tyres (SA 2K1)			
Urban	l/100km		6.8
Extra-urban	l/100km		4.9
Composite	l/100km		5.6
CO ₂	g/km		147
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (SA 2SR, 9WR, 931)			
Urban	l/100km		6.8
Extra-urban	l/100km		4.9
Composite	l/100km		5.6
CO ₂	g/km		148
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),			
Urban	l/100km		6.8
Extra-urban	l/100km		4.9
Composite	l/100km		5.6
CO ₂	g/km		149
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