

Specifications.

The new BMW 6 Series Convertible.

640i, 650i



BMW 640i Convertible			BMW 650i Convertible		
Body					
No. of doors/seats		2 / 4			2 / 4
Length/width/height	mm	4894 / 1894 / 1365			4894 / 1894 / 1365
Wheelbase	mm	2855			2855
Track, front/rear	mm	1600 / 1657			1600 / 1657
Ground clearance	mm	123			123
Turning circle	m	11.7			11.7
Tank capacity	ca. l	70			70
Cooling system incl heating	l	9.3			11.4
Engine oil ¹⁾	l	6.5			8.5
Weight, unladen, to DIN/EU	kg	1840 / 1915			1940 / 2015
Max load to DIN	kg	450			450
Max permissible weight	kg	2290			2390
Max axle load, front/rear	kg	1100 / 1290			1180 / 1310
Max trailer load, braked (12%/unbraked)	kg	– / –			– / –
Max roof load/towbar	kg	– / –			– / –
Luggage comp capacity	l	300-350			300-350
Air drag	c _x x A	0.31 x 2.23			0.32 x 2.23
Engine					
Configuration/No of		Straight / 6 / 4			V90/8/4
Engine technology		BMW TwinPower Turbo, direct injection, fully variable valve control (VALVETRONIC)			BMW TwinPower Turbo, direct injection
Effective capacity	cc	2979			4395
Bore/stroke	mm	89.6 / 84.0			88.3 / 89.0
Compression ratio	:1	10.2			10.0
Fuel grade		min RON 91			min RON 91
Output	kW/hp	235 / 320			300 / 407
at	rpm	5800-6000			5500-6400
Torque	Nm	450			600
at	rpm	1300-4500			1750-4500
Electrical system					
Battery/Installation	Ah/–	90/luggage comp			105/luggage comp
Alternator	A/W	210 / 2940			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, with steering function, anti-squat and anti-dive, double acoustic separation			
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure			
Diameter	mm	348 x 30 / vented			374 x 36 / vented
Brakes, rear		Single-piston aluminium swing-calliper disc brakes			
Diameter	mm	345 x 24 / vented			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 equipment		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			
Steering ratio, overall	:1	17.1			17.1
Tyres, front/rear		225/55 R17 97Y RSC			245/45 R18 96Y RSC
Rims, front/rear		8J x 17 LM			8J x 18 LM

Specifications.

The new BMW 6 Series Convertible.

640i, 650i

BMW 640i Convertible			BMW 650i Convertible		
BMW ConnectedDrive					
Comfort		Optional: BMW Assist incl Enquiry Service, remote-control functions and V-Info+ (Traffic Info plus), 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 and Online Update Music Tracks			
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, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Automatic/Advanced Emergency Call			
Transmission					
Type of gearbox		Eight-speed automatic with Steptronic			
Gear ratios		I	:1	4.714	4.714
		II	:1	3.143	3.143
		III	:1	2.106	2.106
		IV	:1	1.667	1.667
		V	:1	1.285	1.285
		VI	:1	1.000	1.000
		VII	:1	0.839	0.839
		VIII	:1	0.667	0.667
		R	:1	3.295	3.317
Final drive			:1	3.232	3.077
Performance					
Power-to-weight ratio		kg/kW	7.8	6.5	
Output per litre		kW/l	78.9	68.3	
Acceleration		0–100	s	5.7	5.0
		0–1000	s	25.2	23.8
in 4th gear		80–120	s	–	–
Top speed		km/h	250	250	
BMW					
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Auto Start-Stop function (BMW 640i), intelligent lightweight construction, on-demand operation of ancillary units, air flap control (BMW 640i), Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced rolling resistance			
Fuel consumption EU					
Urban		l/100km	10.9	15.5	
Extra-urban		l/100km	6.2	7.9	
Combined		l/100km	7.9	10.7	
CO ₂		g/km	185	249	
Emission rating			EU5	EU5	

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

¹⁾ Oil change