

BMW

United Kingdom

Corporate Communications



BMW 640i Convertible			BMW 650i Convertible
Body			
No. of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	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 download	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 cyls/valves		Straight / 6 / 4	V90/8/4
Engine technology	BMW single turbocharger, direct injection, fully variable valve control (VALVETRONIC)		BMW twin turbocharger, 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		245/45 R18 96Y RSC	245/40 R19 / 275/35 R19 96Y RSC
Rims, front/rear		8J x 18 LM	8.5J x 19 / 9J x 19 LM

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BMW ConnectedDrive					
Comfort		Optional: BMW Assist incl Enquiry Service, remote-control functions and 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	0–62mph	s	5.7	5.0	
	0–1000 m	s	25.2	23.8	
in 4th gear	50–75mph	s	–	–	
Top speed	mph	155*	155*		
BMW EfficientDynamics					
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	Mpg	25.9	18.2		
Extra-urban	Mpg	45.6	35.8		
Combined	Mpg	35.8	26.4		
CO ₂	g/km	185	249		
Emission rating		EU5	EU5		
Insurance group					
		N/A	N/A		

*Electronically-limited.