

BMW

U.S. Media Information

Contacts:

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Technical Data.

2012 BMW 6 Series Convertible.

		650i	650i
		Convertible	Convertible
05.18.2011		Manual 6 Speed	Auto 8 Speed
Body			
No. of Doors / Seating Capacity	-	2 / 4	2 / 4
Vehicle Length	mm / inch	4896/ 192.8	4896/ 192.8
Vehicle Width	mm / inch	1894 / 74.6	1894 / 74.6
Vehicle Height, Unloaded	mm / inch	1365 / 53.7	1365 / 53.7
Wheelbase	mm / inch	2855 / 112.4	2855 / 112.4
Turning Circle	m / ft	11.7 / 38.4	11.7 / 38.4
Track, Front	mm / inch	1594 / 62.8	1594 / 62.8
Track, Rear	mm / inch	1651 / 65.0	1651 / 65.0
Width at Shoulderheight, Front	mm / inch	1445 / 56.9	1445 / 56.9
Width at Shoulderheight, Rear	mm / inch	1260 / 49.6	1260 / 49.6
Effective Leg Room, Front	mm / inch	1069 / 42.1	1069 / 42.1
Effective Leg Room, Rear	mm / inch	774 / 30.5	774 / 30.5
Effective Head Room, Front	mm / inch	1023 / 40.3	1023 / 40.3
Effective Head Room, Rear	mm / inch	927 / 36.5	927 / 36.5
Trunk Volume acc SAE1100	ft³	tba	tba
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	2055 / 4531	2055 / 4531
Weight Distribution, Front / Rear	%	50.4 / 49.6	50.4 / 49.6
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2450 / 5401	2450 / 5401
Payload	kg / lbs	350 / 772	350 / 772
Axle Load Limit, front	kg / lbs	1215 / 2679	1215 / 2679
Axle Load Limit, rear	kg / lbs	1320 / 2910	1320 / 2910
Towing Capacity	kg / lbs	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -
Drag Coefficient	Cd	0.32	0.32
Drag Cd x A	m² / ft²	0.71 / 7.68	0.71 / 7.68
Engine			
		N63	N63
Engine Type / Cylinder / Valves per Cylinder	-	V 90°/ 8 / 4 VANOS	V 90°/ 8 / 4 VANOS
Engine Management System	-	MSD 85.1 Direct Injection 2	MSD 85.1 Direct Injection 2
Induction System/Boost Pressure	-	twin turbo reverse flow "hot V"	twin turbo reverse flow "hot V"
Boost Pressure	Bar	0.6	0.6
Displacement	cm³ / inch³	4395 / 268.2	4395 / 268.2
Stroke	mm / inch	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	89 / 3.50	89 / 3.50
Power	SAE hp / rpm	400 / 5500-6400	400 / 5500-6400
Torque	ft lbs / rpm	450 / 1750-4500	450 / 1750-4500
Compression Ratio / Fuel type	-	10.0 / Premium	10.0 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	8HP70
Gear Ratios I	-	4.055	4.714
II	-	2.396	3.143
III	-	1.582	2.106
IV	-	1.192	1.667
V	-	1.000	1.285
VI	-	0.872	1.000
VII	-	-	0.839
VIII	-	-	0.667
Reverse Ratio	-	3.677	3.317
Final Drive Ratio	-	3.462	3.077
Steering Type / Ratio	-	Rack-and-pinion / 17.1	Rack-and-pinion / 17.1
Front Brakes / Diameter	- / mm / inch	Vented 348 / 13.7	Vented 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vented 345 / 13.6	Vented 345 / 13.6
Tire Type, Front	-	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS
Tire Type, Rear	-	245/40 R19 98V RSC AS	245/40 R19 98V RSC AS
Tire Type, Front w. Sport Package (top)	-	245/35 R20 Y RSC	245/35 R20 Y RSC
Tire Type, Rear w. Sport Package (top)	-	275/30 R20 Y RSC	275/30 R20 Y RSC
Wheels, Front	-	8.5 x 19 Light alloy	8.5 x 19 Light alloy
Wheels, Rear	-	8.5J x 19 Light alloy	8.5J x 19 Light alloy
Wheels, Front w. Sport Package (top)	-	8.5 x 20 Light alloy	8.5 x 20 Light alloy
Wheels, Rear w. Sport Package (top)	-	9J x 20 Light alloy	9J x 20 Light alloy
Performance			
Top Speed	km/h / mph	210 / 130	210 / 130
Top Speed w. Sport Package	km/h / mph	240 / 150	240 / 150
Acceleration, 0-60 mph	s	4.9	4.9
Acceleration, 0-100 Km/h	s	5.1	5.1
Fuel Economy, EPA Estimate - City	mpg	15	16
Fuel Economy, EPA Estimate - Highway	mpg	22	24
Fuel Economy, EPA Estimate - Combined	mpg	17	19
Approximate Range	km / miles	310	340

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