

BMW

U.S. Media Information

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Technical Data.

2010 BMW 6 Series Convertible.

		650i	650i
		Convertible	Convertible
03.01.2010		Manual 6 Speed	Auto 6 Speed
Body			
No. of Doors / Seating Capacity	-	2 / 4	2 / 4
Vehicle Length	mm / inch	4831 / 190.2	4831 / 190.2
Vehicle Width	mm / inch	1855 / 73	1855 / 73
Vehicle Height, Unloaded	mm / inch	1373 / 54.1	1373 / 54.1
Wheelbase	mm / inch	2780 / 109.4	2780 / 109.4
Turning Circle	m / ft	11.4 / 37.4	11.4 / 37.4
Track, Front	mm / inch	1558 / 61.3	1558 / 61.3
Track, Rear	mm / inch	1596 / 62.8	1596 / 62.8
Width at Shoulderheight, Front	mm / inch	1432 / 56.4	1432 / 56.4
Width at Shoulderheight, Rear	mm / inch	1254 / 49.4	1254 / 49.4
Effective Leg Room, Front	mm / inch	1067 / 42	1067 / 42
Effective Leg Room, Rear	mm / inch	737 / 29	737 / 29
Effective Head Room, Front	mm / inch	959 / 37.8	959 / 37.8
Effective Head Room, Rear	mm / inch	926 / 36.5	926 / 36.5
Trunk Volume acc SAE1100	ft³	11	11
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1940 / 4277	1940 / 4277
Weight Distribution, Front / Rear	%	49 / 51	49 / 51
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2290 / 5049	2290 / 5049
Payload	kg / lbs	350 / 772	350 / 772
Axle Load Limit, front	kg / lbs	1090 / 2403	1090 / 2403
Axle Load Limit, rear	kg / lbs	1260 / 2778	1260 / 2778
Towing Capacity	kg / lbs	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -
Drag Coefficient	Cd	0.31	0.31
Drag Cd x A	m² / ft²	0.67 / 7.17	0.67 / 7.17
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	V 90 / 8 / 4 VANOS	V 90 / 8 / 4 VANOS
Engine Management System	-	ME9 Port injection	ME9 Port injection
Induction System/Boost Pressure	Bar	Natural, Variable Intake	Natural, Variable Intake
Displacement	cm³ / inch³	4799 / 292.9	4799 / 292.9
Stroke	mm / inch	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	93 / 3.66	93 / 3.66
Power	SAE hp / rpm	360 / 6300	360 / 6300
Torque	ft lbs / rpm	360 (488) / 3400	360 (488) / 3400
Compression Ratio / Fuel type	-	10.5 / Premium	10.5 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	6HP26 TU
Gear Ratios I	-	4.055	4.171
I	-	2.396	2.34
II	-	1.582	1.521
IV	-	1.192	1.14
V	-	1	0.867
V	-	0.872	0.691
Reverse Ratio	-	3.77	3.403
Final Drive Ratio	-	3.46	3.46
Steering Type / Ratio	-	Rack-and-pinion / 14.4	Rack-and-pinion / 14.4
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 345 / 13.6	Vent. Disc / 345 / 13.6
Tire Type, Front	-	245/45 R18 95V AS	245/45 R18 95V AS
Tire Type, Rear	-	245/45 R18 95V AS	245/45 R18 95V AS
Wheels, Front	-	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear	-	8J x 18 Light alloy	8J x 18 Light alloy
Performance			
Top Speed	km/h / mph	240 / 150	240 / 150
Top Speed w. Sport Package	km/h / mph	- / -	- / -
Acceleration, 0-60 mph	s	5.6	5.7
Acceleration, 0-100 Km/h	s	5.8	5.9
Fuel Economy, EPA Estimate - City	mpg	14	15
Fuel Economy, EPA Estimate - Highway	mpg	21	23
Fuel Economy, EPA Estimate - Combined	mpg	16	18
Approximate Range	km / miles	630 / 390	690 / 430