

BMW

U.S. Press Information

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Technical Data.

2009 BMW 1 Series Convertible.

		128i	128i	135i	135i
		Convertible	Convertible	Convertible	Convertible
		Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	Auto 6 Speed
Body					
No. of Doors / Seating Capacity	-	2 / 4	2 / 4	2 / 4	2 / 4
Vehicle Length	mm / inch	4373 / 172.2	4373 / 172.2	4373 / 172.2	4373 / 172.2
Vehicle Width	mm / inch	1748 / 68.8	1748 / 68.8	1748 / 68.8	1748 / 68.8
Vehicle Height, Unloaded	mm / inch	1411 / 55.6	1411 / 55.6	1411 / 55.6	1411 / 55.6
Wheelbase	mm / inch	2660 / 104.7	2660 / 104.7	2660 / 104.7	2660 / 104.7
Turning Circle	m / ft	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1
Track, Front	mm / inch	1480 / 58.3	1480 / 58.3	1474 / 58.0	1474 / 58.0
Track, Rear	mm / inch	1513 / 59.6	1513 / 59.6	1507 / 59.3	1507 / 59.3
Width at Shoulderheight, Front	mm / inch	1372 / 54	1372 / 54	1372 / 54.0	1372 / 54.0
Width at Shoulderheight, Rear	mm / inch	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2
Effective Leg Room, Front	mm / inch	1047 / 41.2	1047 / 41.2	1047 / 41.2	1047 / 41.2
Effective Leg Room, Rear	mm / inch	795 / 31.3	795 / 31.3	795 / 31.3	795 / 31.3
Effective Head Room, Front	mm / inch	980 / 38.6	980 / 38.6	980 / 38.6	980 / 38.6
Effective Head Room, Rear	mm / inch	940 / 37	940 / 37	940 / 37.0	940 / 37.0
Trunk Volume acc DIN	m³ / ft³	0.260-0.305 / 9.1-10.7	0.260-0.305 / 9.1-10.7	0.260-0.305 / 9.1-10.7	0.260-0.305 / 9.1-10.7
Trunk Volume acc SAE1100	ft³	8	8	8	8
Fuel Capacity	L / gal	53 / 14	53 / 14	53 / 14	53 / 14
Curb Weight	kg / lbs	1585 / 3494	1620 / 3571	1660 / 3660	1665 / 3671
Weight Distribution Front/Rear	%	48.3 / 51.7	49.1 / 50.9	50.3 / 49.7	50.5 / 49.5
Gross Vehicle Weight Rating (GVWR)	kg / lbs	1995 / 4398	2030 / 4475	2070 / 4564	2075 / 4575
Payload	kg / lbs	410 / 904	410 / 904	410 / 904	410 / 904
Axle Load Limit, front	kg / lbs	930 / 2050	930 / 2050	975 / 2149	975 / 2149
Axle Load Limit, rear	kg / lbs	1110 / 2447	1110 / 2447	1110 / 2447	1110 / 2447
Roof Load Limit	kg / lbs	- / -	- / -	-	-
Drag Coefficient	Cd	0.34	0.34	0.34	0.34
Drag Cd x A	m² / ft²	0.71 / 7.64	0.71 / 7.64	0.71 / 7.64	0.71 / 7.64
Engine					
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4	Inline / 6 / 4	Inline / 6 / 4	Inline / 6 / 4
Engine Management System	-	MSV80	MSV80	MSD80	MSD80
Displacement	cm³ / inch³	2996 / 182.8	2996 / 182.8	2979 / 181.8	2979 / 181.8
Stroke	mm / inch	88 / 3.46	88 / 3.46	89.6 / 3.53	89.6 / 3.53
Bore	mm / inch	85 / 3.35	85 / 3.35	84.0 / 3.31	84.0 / 3.31
Power	SAE hp / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800
Torque	ft lbs / rpm	200 / 2750	200 / 2750	300 / 1400	300 / 1400
Compression Ratio / Fuel type	-	10.7 / Premium	10.7 / Premium	10.2 / Premium	10.2 / Premium
Chassis and Suspension					
Codification of Reference Gearbox	-	I	GM 6	G	6HP19 TU
Gear Ratios I	-	4.323	4.065	4.055	4.171
II	-	2.456	2.371	2.396	2.34
III	-	1.659	1.551	1.582	1.521
IV	-	1.23	1.157	1.192	1.143
V	-	1	0.853	1	0.867
VI	-	0.848	0.674	0.872	0.691
Reverse Ratio	-	3.938	3.2	3.677	3.403
Final Drive Ratio	-	3.23	3.73	3.08	3.46
Steering Type / Ratio	-	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc. / 338 / 13.3	Vent. Disc. / 338 / 13.3
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc / 324 / 12.8	Vent. Disc. / 324 / 12.8
Tire Type, Front	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/50 R17 89 H RSC AS	205/50 R17 89 H RSC AS
Tire Type, Rear	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/50 R17 89 H RSC AS	205/50 R17 89 H RSC AS
Wheels, Front	-	7J x 16 Light alloy	7J x 16 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy
Wheels, Rear	-	7J x 16 Light alloy	7J x 16 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy
Performance					
Top Speed	km/h / mph	210 / 131	210 / 131	210 / 130	210 / 130
Top speed w. Sport Package	km/h / mph	240 / 149	240 / 149	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.4	7	5.4	5.5
Acceleration, 0-100 Km/h	s	6.7	7.3	5.7	5.8
Fuel Economy, EPA Estimate - City	mpg	18	18	17	17
Fuel Economy, EPA Estimate - Highway	mpg	28	27	26	26
Fuel Economy, EPA Estimate - Combined	mpg	21	21	20	20
Approximate Range	km / miles	630 / 390	630 / 390	585 / 364	585 / 364