

BMW

U.S. Media Information

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Technical Data.

2012 BMW 1 Series Convertible.

	128i		128i		135i		135i	
	Convertible	Manual 6 Speed	Convertible	Auto 6 Speed	Convertible	Manual 6 Speed	Convertible	DCT 7 Speed
11.01.2011								
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	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	1748 / 68.8	1748 / 68.8	1748 / 68.8
Vehicle Height, Unloaded	mm / inch	1411 / 55.6	1411 / 55.6	1411 / 55.6	1392 / 54.8	1392 / 54.8	1392 / 54.8	1392 / 54.8
Wheelbase	mm / inch	2660 / 104.7	2660 / 104.7	2660 / 104.7	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	10.7 / 35.1	10.7 / 35.1	10.7 / 35.1
Track, Front	mm / inch	1480 / 58.3	1480 / 58.3	1480 / 58.3	1474 / 58.0	1474 / 58.0	1474 / 58.0	1474 / 58.0
Track, Rear	mm / inch	1513 / 59.6	1513 / 59.6	1513 / 59.6	1507 / 59.3	1507 / 59.3	1507 / 59.3	1507 / 59.3
Ground Clearance	mm / inch	140 / 5.51	140 / 5.51	140 / 5.51	121 / 4.76	121 / 4.76	121 / 4.76	121 / 4.76
Width at Shoulderheight, Front	mm / inch	1372 / 54.0	1372 / 54.0	1372 / 54.0	1372 / 54.0	1372 / 54.0	1372 / 54.0	1372 / 54.0
Width at Shoulderheight, Rear	mm / inch	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2	1072 / 42.2
Effective Leg Room, Front	mm / inch	1053 / 41.5	1053 / 41.5	1053 / 41.5	1053 / 41.5	1053 / 41.5	1053 / 41.5	1053 / 41.5
Effective Leg Room, Rear	mm / inch	807 / 31.8	807 / 31.8	807 / 31.8	807 / 31.8	807 / 31.8	807 / 31.8	807 / 31.8
Effective Head Room, Front	mm / inch	980 / 38.6	980 / 38.6	980 / 38.6	980 / 38.6	980 / 38.6	980 / 38.6	980 / 38.6
Effective Head Room, Rear	mm / inch	940 / 37	940 / 37	940 / 37	940 / 37.0	940 / 37.0	940 / 37.0	940 / 37.0
Trunk Volume acc SAE1100	ft³	8	8	8	8	8	8	8
Fuel Capacity	L / gal	53 / 14	53 / 14	53 / 14	53 / 14	53 / 14	53 / 14	53 / 14
Curb Weight	kg / lbs	1585 / 3494	1620 / 3571	1650 / 3638	1650 / 3638	1690 / 3704	1690 / 3704	1690 / 3704
Weight Distribution Front/Rear	%	48.3 / 51.7	49.1 / 50.9	49.4 / 50.6	49.4 / 50.6	49.7 / 50.3	49.7 / 50.3	49.7 / 50.3
Gross Vehicle Weight Rating (GVWR)	kg / lbs	1995 / 4398	2030 / 4475	2060 / 4541	2060 / 4541	2090 / 4608	2090 / 4608	2090 / 4608
Payload	kg / lbs	340 / 750	340 / 750	340 / 750	340 / 750	340 / 750	340 / 750	340 / 750
Axle Load Limit, front	kg / lbs	930 / 2050	930 / 2050	930 / 2050	980 / 2161	980 / 2161	980 / 2161	980 / 2161
Axle Load Limit, rear	kg / lbs	1119 / 2467	1119 / 2467	1119 / 2467	1120 / 2469	1120 / 2469	1120 / 2469	1120 / 2469
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Drag Coefficient	Cd	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Engine								
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS
Engine Management System	-	MSV80 Port Injection	MSV80 Port Injection	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection
Induction System	-	Natural Valvetronic	Natural Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic
Boost Pressure / Overboost	bar	-	-	0.6	0.6	0.6	0.6	0.6
Displacement	cm³ / inch³	2996 / 182.8	2996 / 182.8	2979 / 181.8	2979 / 181.8	2979 / 181.8	2979 / 181.8	2979 / 181.8
Stroke	mm / inch	88 / 3.46	88 / 3.46	89.6 / 3.53	89.6 / 3.53	89.6 / 3.53	89.6 / 3.53	89.6 / 3.53
Bore	mm / inch	85 / 3.35	85 / 3.35	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31
Power	SAE hp / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800	300 / 5800	300 / 5800	300 / 5800
Torque	ft lbs / rpm	200 / 2750	200 / 2750	300 / 1200-5000	300 / 1200-5000	300 / 1200-5000	300 / 1200-5000	300 / 1200-5000
Compression Ratio / Fuel type	-	10.7 / Premium	10.7 / Premium	10.2 / Premium	10.2 / Premium	10.2 / Premium	10.2 / Premium	10.2 / Premium
Chassis and Suspension								
Codification of Reference Gearbox	-	I	GM 6	K	DKG 436	DKG 436	DKG 436	DKG 436
Gear Ratios	I	4.323	4.065	4.110	4.780	4.780	4.780	4.780
	II	2.456	2.371	2.315	3.056	3.056	3.056	3.056
	III	1.659	1.551	1.542	2.153	2.153	2.153	2.153
	IV	1.230	1.157	1.179	1.678	1.678	1.678	1.678
	V	1.000	0.853	1.000	1.390	1.390	1.390	1.390
	VI	0.848	0.674	0.846	1.203	1.203	1.203	1.203
	VII	-	-	-	1.000	1.000	1.000	1.000
Reverse Ratio	-	3.938	3.200	3.727	4.454	4.454	4.454	4.454
Final Drive Ratio	-	3.231	3.727	3.077	2.563	2.563	2.563	2.563
Steering Type / Ratio	-	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	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	Vent. Disc / 338 / 13.3	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	Vent. Disc / 324 / 12.8	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	205/50 R17 89 H 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	205/50 R17 89 H RSC AS	205/50 R17 89 H RSC AS	205/50 R17 89 H RSC AS
Tire Type, Front w. Sport Package	-	205/50 R17 V RSC	205/50 R17 V RSC	215/40 R18 85Y RSC	215/40 R18 85Y RSC	215/40 R18 85Y RSC	215/40 R18 85Y RSC	215/40 R18 85Y RSC
Tire Type, Rear w. Sport Package	-	225/45 R17 V RSC	225/45 R17 V RSC	245/35 R18 88Y RSC	245/35 R18 88Y RSC	245/35 R18 88Y RSC	245/35 R18 88Y RSC	245/35 R18 88Y RSC
Wheels, Front	-	7J x 16 Light alloy	7J x 16 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy	7J x 17 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	7J x 17 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy
Wheels, Front w. Sport Package	-	7J x 17 Light alloy	7J x 17 Light alloy	7.5J x 18 Light alloy	7.5J x 18 Light alloy	7.5J x 18 Light alloy	7.5J x 18 Light alloy	7.5J x 18 Light alloy
Wheels, Rear w. Sport Package	-	7.5J x 17 Light alloy	7.5J x 17 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy
Performance								
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed w. Sport Package	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.4	7.0	5.4	5.4	5.3	5.3	5.3
Acceleration, 0-100 Km/h	s	6.7	7.3	5.7	5.7	5.6	5.6	5.6
Fuel Economy, EPA Estimate - City	mpg	18	18	19	19	18	18	18
Fuel Economy, EPA Estimate - Highway	mpg	28	27	28	28	25	25	25
Fuel Economy, EPA Estimate - Combined	mpg	22	21	22	22	20	20	20
Approximate Range	km / miles	500 / 310	475 / 300	500 / 310	500 / 310	450 / 280	450 / 280	450 / 280