

# BMW

## U.S. Media Information

### Contacts:

Thomas Plucinsky  
Product & Technology Communications Manager  
201-307-3783 / thomas.plucinsky@bmwna.com

David J. Buchko  
Advanced Powertrain & Heritage Communications  
201-307-3709 / dave.buchko@bmwna.com

Matthew Russell  
BMW Product and Technology Communications  
Tel. 201 307 3755  
Matthew.Russell@bmwna.com

## Technical Data.

### 2011 BMW 1 Series Convertible.

		128i	128i	135i	135i
		Convertible	Convertible	Convertible	Convertible
10.01.2010		Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	DCT 7 Speed
<b>Body</b>					
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	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
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 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	1650 / 3638	1680 / 3704
Weight Distribution Front/Rear	%	48.3 / 51.7	49.1 / 50.9	49.4 / 50.6	49.7 / 50.3
Gross Vehicle Weight Rating (GVWR)	kg / lbs	1995 / 4398	2030 / 4475	2060 / 4541	2090 / 4608
Payload	kg / lbs	340 / 750	340 / 750	340 / 750	340 / 750
Axle Load Limit, front	kg / lbs	930 / 2050	930 / 2050	980 / 2161	980 / 2161
Axle Load Limit, rear	kg / lbs	1119 / 2467	1119 / 2467	1119 / 2467	1119 / 2467
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -	- / -	- / -
Drag Coefficient	Cd	0.34	0.34	0.34	0.34
Drag Cd x A	m² / ft²	0.71 / 7.65	0.71 / 7.65	0.71 / 7.65	0.71 / 7.65

		N52	N52	N55	N55
Engine Type / Cylinder / Valves per Cylinder	-	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
Induction System	-	Natural Valvetronic	Natural Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic
Boost Pressure / Overboost	bar	-	-	0.6	0.6
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 / 3.31	84 / 3.31
Power	SAE hp / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800
Torque	ft lbs / rpm	200 / 2750	200 / 2750	300 / 1200-5000	300 / 1200-5000
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	K	DKG 436
Gear Ratios	I	4.323	4.065	4.110	4.780
	II	2.456	2.371	2.315	3.056
	III	1.659	1.551	1.542	2.153
	IV	1.230	1.157	1.179	1.678
	V	1.000	0.853	1.000	1.390
	VI	0.848	0.674	0.846	1.203
	VII	-	-	-	1.000
Reverse Ratio	-	3.938	3.200	3.727	4.454
Final Drive Ratio	-	3.231	3.727	3.077	2.563
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	-	205/50 R17 91H RSC AS	205/50 R17 91H RSC AS	205/50 R17 89 H RSC AS	205/50 R17 89 H RSC AS
Tire Type, Rear	-	205/50 R17 91H RSC AS	205/50 R17 91H 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
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
Wheels, Front	-	7J x 17 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy	7J x 17 Light alloy
Wheels, Rear	-	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
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

### Performance

Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top speed w. Sport Package	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.4	7.0	5.4	5.3
Acceleration, 0-100 Km/h	s	6.7	7.3	5.7	5.6
Fuel Economy, EPA Estimate - City	mpg	18	18	19	18
Fuel Economy, EPA Estimate - Highway	mpg	28	27	28	25
Fuel Economy, EPA Estimate - Combined	mpg	22	21	22	20
Approximate Range	km / miles	500 / 310	475 / 300	500 / 310	450 / 280