

BMW

U.S. Media Information

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Technical Data.

2012 BMW 1 Series Coupe.

		128i	128i	135i	135i
		Coupe	Coupe	Coupe	Coupe
11.01.2011		Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	DCT 7 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	1423 / 56	1423 / 56	1408 / 55.4	1408 / 55.4
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	1470 / 57.9	1470 / 57.9
Track, Rear	mm / inch	1513 / 59.6	1513 / 59.6	1497 / 58.9	1497 / 58.9
Ground Clearance	mm / inch	140 / 5.51	140 / 5.51	121 / 4.76	121 / 4.76
Width at Shoulderheight, Front	mm / inch	1372 / 54	1372 / 54	1372 / 54	1372 / 54
Width at Shoulderheight, Rear	mm / inch	1357 / 53.4	1357 / 53.4	1357 / 53.4	1357 / 53.4
Effective Leg Room, Front	mm / inch	1052 / 41.4	1052 / 41.4	1052 / 41.4	1052 / 41.4
Effective Leg Room, Rear	mm / inch	814 / 32	814 / 32	814 / 32	814 / 32
Effective Head Room, Front	mm / inch	962 / 37.9	962 / 37.9	962 / 37.9	962 / 37.9
Effective Head Room, Rear	mm / inch	943 / 37.1	943 / 37.1	943 / 37.1	943 / 37.1
Trunk Volume acc SAE1100	ft³	10	10	10	10
Fuel Capacity	L / gal	53 / 14	53 / 14	53 / 14	53 / 14
Curb Weight	kg / lbs	1475 / 3252	1510 / 3329	1530 / 3373	1560 / 3439
Weight Distribution Front/Rear	%	50.8 / 49.2	51.3 / 48.7	51.6 / 48.4	51.9 / 48.1
Gross Vehicle Weight Rating (GVWR)	kg / lbs	1875 / 4134	1910 / 4211	1930 / 4255	1960 / 4321
Payload	kg / lbs	360 / 794	360 / 794	360 / 794	360 / 794
Axle Load Limit, front	kg / lbs	920 / 2028	920 / 2028	960 / 2116	960 / 2116
Axle Load Limit, rear	kg / lbs	1020 / 2249	1020 / 2249	1040 / 2293	1040 / 2293
Towing Capacity	kg / lbs	-	-	-	-
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.31	0.31	0.33	0.33
Engine					
		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 (270) / 2750	200 (270) / 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
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	-	3.23	3.73	3.08	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	215/40 R18 85Y RSC	215/40 R18 85Y RSC
Tire Type, Rear	-	205/50 R17 91H RSC AS	205/50 R17 91H RSC AS	245/35 R18 88Y RSC	245/35 R18 88Y RSC
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	7.5J x 18 Light alloy	7.5J x 18 Light alloy
Wheels, Rear	-	7J x 17 Light alloy	7J x 17 Light alloy	8.5J x 18 Light alloy	8.5J x 18 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	6.1	6.7	5.1	5.0
Acceleration, 0-100 Km/h	s	6.4	7.0	5.4	5.2
Fuel Economy, EPA Estimate - City	mpg	18	18	20	18
Fuel Economy, EPA Estimate - Highway	mpg	28	28	28	25
Fuel Economy, EPA Estimate - Combined	mpg	22	21	23	21
Approximate Range	km / miles	500 / 310	500 / 310	520 / 325	475 / 300