

BMW

U.S. Press Information

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Technical Data.

2010 BMW Z4 Roadster.

		Z4 sDrive30i	Z4 sDrive30i	Z4 sDrive35i	Z4 sDrive35i
		Roadster	Roadster	Roadster	Roadster
10.22.2009		Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	Sport Auto 7 Speed
Body					
No of doors / seats	-	2 / 2	2 / 2	2 / 2	2 / 2
Vehicle Length	mm / inch	4239 / 166,9	4239 / 166,9	4239 / 166,9	4239 / 166,9
Vehicle Width	mm / inch	1790 / 70,5	1790 / 70,5	1790 / 70,5	1790 / 70,5
Vehicle Height, Unloaded	mm / inch	1291 / 50,8	1291 / 50,8	1291 / 50,8	1291 / 50,8
Wheelbase	mm / inch	2496 / 98,3	2496 / 98,3	2496 / 98,3	2496 / 98,3
Turning Circle	m / ft	10,7 / 35,1	10,7 / 35,1	10,7 / 35,1	10,7 / 35,1
Track, Front	mm / inch	1511 / 59,5	1511 / 59,5	1511 / 59,5	1511 / 59,5
Track, Rear	mm / inch	1559 / 61,4	1559 / 61,4	1537 / 60,5	1537 / 60,5
Width at Shoulderheight, Front	mm / inch	1354 / 53,3	1354 / 53,3	1354 / 53,3	1354 / 53,3
Width at Shoulderheight, Rear	mm / inch	- / -	- / -	- / -	- / -
Effective Leg Room, Front	mm / inch	1072 / 42,2	1072 / 42,2	1072 / 42,2	1072 / 42,2
Effective Leg Room, Rear	mm / inch	- / -	- / -	- / -	- / -
Effective Head Room, Front	mm / inch	992 / 39,1	992 / 39,1	992 / 39,1	992 / 39,1
Effective Head Room, Rear	mm / inch	- / -	- / -	- / -	- / -
Trunk Volume acc SAE1100 (roof up)	ft³	8	8	8	8
Fuel Capacity	L / gal	55 / 14,5	55 / 14,5	55 / 14,5	55 / 14,5
Curb Weight	kg / lbs	1470 / 3241	1500 / 3307	1565 / 3450	1585 / 3494
Weight Distribution, Front / Rear	%	48 / 52	48,3 / 51,7	49,2 / 50,8	49,2 / 50,8
Gross Vehicle Weight Rating (GVWR)	kg / lbs	1780 / 3924	1810 / 3990	1875 / 4134	1895 / 4178
Payload	kg / lbs	255 / 683	255 / 683	255 / 683	255 / 683
Axle Load Limit, Front	kg / lbs	820 / 1808	820 / 1808	870 / 1918	870 / 1918
Axle LoadLimit, Rear	kg / lbs	1010 / 2227	1010 / 2227	1030 / 2271	1030 / 2271
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	- / -	- / -	- / -	- / -
Drag coefficient	Cd	0,34	0,34	0,35	0,35
Drag Cd x A	m² / ft²	0,67 / 7,21	0,67 / 7,21	0,69 / 7,38	0,69 / 7,38
Engine					
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	MSD81 Direct Injection	MSD81 Direct Injection
Induction System	-	Natural VALVETRONIC	Natural VALVETRONIC	twin turbo	twin turbo
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 / 1/min	255 / 6600	255 / 6600	300 / 5800	300 / 5800
Torque	ft lbs(Nm) / 1/min	220 (298) / 2600	220 (298) / 2600	300 (407) / 1400	300 (407) / 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	GM6	G	DKG 436
Gear Ratio	I	3,498	4,171	4,055	4,78
	II	2,005	2,34	2,396	3,056
	III	1,313	1,521	1,582	2,153
	IV	1	1,143	1,192	1,678
	V	0,809	0,867	1	1,39
	VI	0,701	0,691	0,872	1,203
	VII	-	-	-	1
Reverse ratio	-	3,187	3,403	3,677	4,454
Final drive ratio	-	4,27	3,64	3,08	2,56
Steering type / ratio	-	Rack-and-pinion / 14,4	Rack-and-pinion / 14,4	Rack-and-pinion / 14,4	Rack-and-pinion / 14,4
Brake front / diameter	- / mm / inch	Vent. Disc / 300 / 11,8	Vent. Disc / 300 / 11,8	Vent. Disc / 348 / 13,7	Vent. Disc / 348 / 13,7
Brake rear / 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	-	225/45 R17 91V	225/45 R17 91V	225/45 R17 91V RSC	225/45 R17 91V RSC
Tire Type, Rear	-	225/45 R17 91V	225/45 R17 91V	255/40 R17 94V RSC	255/40 R17 94V RSC
Wheels, Front	-	8J x 17 Light alloy	8J x 17 Light alloy	8J x 17 Light alloy	8J x 17 Light alloy
Wheels, Rear	-	8J x 17 Light alloy	8J x 17 Light alloy	8.5J x 17 Light alloy	8.5J x 17 Light alloy
Wheel Offset, Front / Rear	mm	29 / 29	29 / 29	29 / 40	29 / 40
Performance					
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top Speed with Sport Package	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150
Acceleration 0-60 mph	s	5,6	6,0	5,1	5,0
Acceleration 0-100 Km/h	s	5,9	6,3	5,4	5,3
Fuel Consumption City	mpg	18	18	18	17
Fuel Consumption Highway	mpg	28	28	25	24
Fuel Consumption Combined	mpg	22	22	20	20
Approximate Range	km / miles	630 / 390	630 / 390	565 / 350	540 / 335