

BMW

U.S. Press Information

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Technical Data.

2011 BMW Z4 Roadster.

	Z4 sDrive30i	Z4 sDrive30i	Z4 sDrive35i	Z4 sDrive35i	Z4 sDrive35i
	Roadster	Roadster	Roadster	Roadster	Roadster
10/1/2010	Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	DCT 7 Speed	DCT 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	4244 / 167.0
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	1284 / 50.6
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	1475 / 3252	1510 / 3329	1590 / 3505	1610 / 3549
Weight Distribution, Front / Rear	%	47.9 / 52.1	48.4 / 51.6	49 / 51	49.3 / 50.7
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 Load Limit, 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 / 7.17	0.67 / 7.17	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
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 / 1/min	255 / 6600	255 / 6600	300 / 5800	300 / 5800
Torque *Overboost	ft lbs / 1/min	220 / 2600	220 / 2600	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 plus	6HP19TU	G	DKG 436
Gear Ratio	-	3.498	4.171	4.055	4.780
	II	2.005	2.34	2.396	3.056
	III	1.313	1.521	1.582	2.153
	IV	1.000	1.143	1.192	1.678
	V	0.809	0.867	1.000	1.390
	VI	0.701	0.691	0.872	1.203
	VII	-	-	-	1.000
Reverse ratio	-	3.187	3.403	3.677	4.454
Final drive ratio	-	4.273	3.636	3.077	2.563
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 / 330 / 13	Vent. Disc / 330 / 13	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
Tire Type, Front w. Sport Package	-	225/40 R18 88W RSC	225/40 R18 88W RSC	225/35 R19 Y RSC	225/35 R19 Y RSC
Tire Type, Rear w. Sport Package	-	255/35 R18 90W RSC	255/35 R18 90W RSC	255/330 R19 Y RSC	255/330 R19 Y RSC
Wheels, Front	-	8J x 17 Light alloy	8J x 17 Light alloy	8J x 17 Light alloy	8J x 18 Light alloy
Wheels, Rear	-	8J x 17 Light alloy	8J x 17 Light alloy	8.5J x 17 Light alloy	8.5J x 18 Light alloy
Wheels, Front w. Sport Package	-	8J x 18 Light alloy	8J x 18 Light alloy	8J x 19 Light alloy	8J x 19 Light alloy
Wheels, Rear w. Sport Package	-	8.5J x 18 Light alloy	8.5J x 18 Light alloy	9J x 19 Light alloy	9J x 19 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	250 / 155
Top Speed with Sport Package	km/h / mph	250 / 155	250 / 155	250 / 155	na
Acceleration 0-60 mph	s	5.6	6.0	5.1	4.7
Acceleration 0-100 Km/h	s	5.9	6.3	5.4	5.0
Fuel Consumption City	mpg	18	18	19	17
Fuel Consumption Highway	mpg	28	28	26	24
Fuel Consumption Combined	mpg	22	22	21	19
Approximate Range	km / miles	630 / 390	630 / 390	565 / 350	540 / 335