

BMW

U.S. Press Information

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Technical Data.

2009 BMW Z4 Roadster.

		Z4 sDrive30i	Z4 sDrive30i	Z4 sDrive35i	Z4 sDrive35i
		Roadster	Roadster	Roadster	Roadster
		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 DIN	m³ / ft³	0.180-0.310 / 6.4-10.9	0.180-0.310 / 6.4-10.9	0.180-0.310 / 6.4-10.9	0.180-0.310 / 6.4-10.9
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 Load Limit, Rear	kg / lbs	1010 / 2227	1010 / 2227	1030 / 2271	1030 / 2271
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	-	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4
Engine Management System	-	MSV80	MSV80	MSD81	MSD81
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	tba	tba	tba	tba
Fuel Consumption Highway	mpg	tba	tba	tba	tba
Fuel Consumption Combined	mpg	tba	tba	tba	tba
Approximate Range	km / miles	tba	tba	tba	tba