

BMW
U.S. Press Information

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Technical Data.
2009 BMW 3 Series Sedan.

		328i Sedan	328i Sedan	335i Sedan	335i Sedan	335d Sedan
		Manual 6 Speed	Auto 6 Speed	Manual 6 Speed	Auto 6 Speed	Auto 6 Speed
Body						
No. of Doors / Seating Capacity	-	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle Length	mm / inch	4541 / 178.8	4541 / 178.8	4541 / 178.8	4541 / 178.8	4541 / 178.8
Vehicle Width	mm / inch	1817 / 71.5	1817 / 71.5	1817 / 71.5	1817 / 71.5	1817 / 71.5
Vehicle Height, Unloaded	mm / inch	1421 / 55.9	1421 / 55.9	1421 / 55.9	1421 / 55.9	1421 / 55.9
Wheelbase	mm / inch	2760 / 108.7	2760 / 108.7	2760 / 108.7	2760 / 108.7	2760 / 108.7
Turning Circle	m / ft	11 / 36.1	11 / 36.1	11 / 36.1	11 / 36.1	11 / 36.1
Track, Front	mm / inch	1500 / 59.1	1500 / 59.1	1500 / 59.1	1500 / 59.1	1500 / 59.1
Track, Rear	mm / inch	1529 / 60.2	1529 / 60.2	1529 / 60.2	1529 / 60.2	1529 / 60.2
Width at Shoulderheight, Front	mm / inch	1408 / 55.4	1408 / 55.4	1408 / 55.4	1408 / 55.4	1408 / 55.4
Width at Shoulderheight, Rear	mm / inch	1399 / 55.1	1399 / 55.1	1399 / 55.1	1399 / 55.1	1399 / 55.1
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	879 / 34.6	879 / 34.6	879 / 34.6	879 / 34.6	879 / 34.6
Effective Head Room, Front	mm / inch	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5
Effective Head Room, Rear	mm / inch	953 / 37.5	953 / 37.5	953 / 37.5	953 / 37.5	953 / 37.5
Trunk Volume acc DIN	m³ / ft³	0.460 / 16.2	0.460 / 16.2	0.450 / 15.9	0.450 / 15.9	0.450 / 15.9
Trunk Volume acc SAE1100	ft³	12	12	12	12	12
Fuel Capacity	L / gal	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1
Curb Weight	kg / lbs	1525 / 3362	1555 / 3428	1630 / 3594	1635 / 3605	1735 / 3825
Weight Distribution, Front / Rear	%	50.5 / 49.5	51.1 / 48.9	50.9 / 49.1	51.1 / 48.9	51 / 49
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2005 / 4420	2035 / 4486	2110 / 4652	2115 / 4663	2215 / 4883
Payload	kg / lbs					
Axle Load Limit, front	kg / lbs	965 / 2127	965 / 2127	1015 / 2238	1015 / 2238	1080 / 2381
Axle Load Limit, rear	kg / lbs	1120 / 2469	1120 / 2469	1155 / 2546	1155 / 2546	1200 / 2646
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.29	0.29	0.3	0.3	0.3
Drag Cd x A	m² / ft²	0.63 / 6.78	0.63 / 6.78	0.65 / 7.01	0.65 / 7.01	0.65 / 7.01
Engine						
Engine Type / Cylinder / Valves per Cylinder	-	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4
Engine Management System	-	MSV80	MSV80	MSD80	MSD80	DDE 7.3
Displacement	cm³ / inch³	2996 / 182.8	2996 / 182.8	2979 / 181.8	2979 / 181.8	2993 / 182.6
Stroke	mm / inch	88 / 3.46	88 / 3.46	89.6 / 3.53	89.6 / 3.53	90 / 3.54
Bore	mm / inch	85 / 3.35	85 / 3.35	84 / 3.31	84 / 3.31	84 / 3.31
Power	SAE hp / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800	265 / 4200
Torque	ft lbs / rpm	200 (270) / 2750	200 (270) / 2750	300 (407) / 1400	300 (407) / 1400	425 (580) / 1750
Compression Ratio / Fuel type	-	10.7 / Premium	10.7 / Premium	10.2 / Premium	10.2 / Premium	16.5 / ULS Diesel
Chassis and Suspension						
Codification of Reference Gearbox	-	I	GM6	G	6HP19 Tü	6HP26 Tü
Gear Ratios	-	4.323	4.065	4.055	4.171	4.171
	-	2.456	2.371	2.396	2.34	2.34
	-	1.659	1.551	1.582	1.521	1.521
	-	1.23	1.2	1.192	1.143	1.143
	-	1	0.853	1	0.867	0.867
	-	0.848	0.674	0.872	0.691	0.691
Reverse Ratio	-	3.938	3.2	3.677	3.403	3.403
Final Drive Ratio	-	3.23	3.73	3.08	3.46	2.81
Steering Type / Ratio	-	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16
Front Brakes / Diameter	-	Vent. Disc / 312 / 12.3	Vent. Disc / 312 / 12.3	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2
Tire Type, Front	- / mm / inch	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS
Tire Type, Rear	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS
Wheels, Front	-	7 J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8Jx17 Light alloy
Wheels, Rear	-	7 J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8Jx17 Light alloy
Performance						
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 131
Top Speed w/ Sport Package	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150	240 / 149
Acceleration, 0-60 mph	s	6.3	6.9	5.4	5.6	6
Acceleration, 0-100 Km/h	s	6.7	7.3	5.7	5.9	6.3
Fuel Economy, EPA Estimate - City	mpg	18	18	17	17	23
Fuel Economy, EPA Estimate - Highway	mpg	28	28	26	26	36
Fuel Economy, EPA Estimate - Combined	mpg	21	22	20	20	- / -
Approximate Range	km / miles	735 / 455	755 / 470	685 / 425	710 / 440	932 / 579

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		328i xDrive Sedan Manual 6 Speed	328i xDrive Sedan Auto 6 Speed	335i xDrive Sedan Manual 6 Speed	335i xDrive Sedan Auto 6 Speed
Body					
No. of Doors / Seating Capacity	-	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle Length	mm / inch	4541 / 178.8	4541 / 178.8	4541 / 178.8	4541 / 178.8
Vehicle Width	mm / inch	1817 / 71.5	1817 / 71.5	1817 / 71.5	1817 / 71.5
Vehicle Height, Unloaded	mm / inch	1421 / 55.9	1421 / 55.9	1421 / 55.9	1421 / 55.9
Wheelbase	mm / inch	2760 / 108.7	2760 / 108.7	2760 / 108.7	2760 / 108.7
Turning Circle	m / ft	11.8 / 38.7	11.8 / 38.7	11.8 / 38.7	11.8 / 38.7
Track, Front	mm / inch	1500 / 59.1	1500 / 59.1	1500 / 59.1	1500 / 59.1
Track, Rear	mm / inch	1529 / 60.2	1529 / 60.2	1529 / 60.2	1529 / 60.2
Width at Shoulderheight, Front	mm / inch	1408 / 55.4	1408 / 55.4	1408 / 55.4	1408 / 55.4
Width at Shoulderheight, Rear	mm / inch	1399 / 55.1	1399 / 55.1	1399 / 55.1	1399 / 55.1
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	879 / 34.6	879 / 34.6	879 / 34.6	879 / 34.6
Effective Head Room, Front	mm / inch	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5
Effective Head Room, Rear	mm / inch	953 / 37.5	953 / 37.5	953 / 37.5	953 / 37.5
Trunk Volume acc DIN	m³ / ft³	0.460 / 16.2	0.460 / 16.2	0.450 / 15.9	0.450 / 15.9
Trunk Volume acc SAE1100	ft³	12	12	12	12
Fuel Capacity	L / gal	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1
Curb Weight	kg / lbs	1635 / 3605	1655 / 3649	1730 / 3814	1735 / 3825
Weight Distribution, Front / Rear	%	52.6 / 47.4	52.9 / 47.1	53.8 / 46.2	53.9 / 46.1
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2115 / 4663	2135 / 4707	2210 / 4872	2215 / 4883
Payload	kg / lbs				
Axle Load Limit, front	kg / lbs	1045 / 2304	1045 / 2304	1105 / 2436	1105 / 2436
Axle Load Limit, rear	kg / lbs	1140 / 2513	1140 / 2513	1155 / 2546	1155 / 2546
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.3	0.3	0.32	0.32
Drag Cd x A	m² / ft²	0.65 / 6.99	0.65 / 6.99	0.69 / 7.40	0.69 / 7.40
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	MSD80	MSD80
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 (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	-	H	GM6	G	6HP19 TU
Gear Ratios	I	4.35	4.065	4.055	4.171
	II	2.496	2.371	2.396	2.34
	III	1.665	1.551	1.582	1.521
	IV	1.23	1.2	1.192	1.143
	V	1	0.853	1	0.867
	VI	0.851	0.674	0.872	0.691
Reverse Ratio	-	3.926	3.2	3.677	3.403
Final Drive Ratio	-	3.38	3.91	3.08	3.46
Steering Type / Ratio	-	Rack-and-pinion / 18.2	Rack-and-pinion / 18.2	Rack-and-pinion / 18.2	Rack-and-pinion / 18.2
Front Brakes / Diameter	-	Vent. Disc / 312 / 12.3	Vent. Disc / 312 / 12.3	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2
Tire Type, Front	- / mm / inch	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS
Tire Type, Rear	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS
Wheels, Front	-	7 J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy
Wheels, Rear	-	7 J x 16 Light alloy	7 J x 16 Light alloy	8 J x 17 Light alloy	8 J x 17 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	238 / 148	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.9	7.1	5.3	5.4
Acceleration, 0-100 Km/h	s	7.2	7.5	5.6	5.7
Fuel Economy, EPA Estimate - City	mpg	17	17	16	17
Fuel Economy, EPA Estimate - Highway	mpg	25	25	25	25
Fuel Economy, EPA Estimate - Combined	mpg	20	20	19	20
Approximate Range	km / miles	680 / 420	695 / 430	665 / 415	680 / 420