

BMW

U.S. Press Information

Contacts:

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Technical Data.

2009 BMW 5 Series Sedan.

		528i Sedan Manual 6 Speed	528i Sedan Auto 6 Speed	535i Sedan Manual 6 Speed	535i Sedan Auto 6 Speed
Body					
No. of Doors / Seating Capacity	-	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle Length	mm / inch	4854 / 191.1	4854 / 191.1	4854 / 191.1	4854 / 191.1
Vehicle Width	mm / inch	1846 / 72.7	1846 / 72.7	1846 / 72.7	1846 / 72.7
Vehicle Height, Unloaded	mm / inch	1468 / 57.8	1468 / 57.8	1468 / 57.8	1468 / 57.8
Wheelbase	mm / inch	2888 / 113.7	2888 / 113.7	2888 / 113.7	2888 / 113.7
Turning Circle	m / ft	11.4 / 37.4	11.4 / 37.4	11.4 / 37.4	11.4 / 37.4
Track, Front	mm / inch	1558 / 61.3	1558 / 61.3	1558 / 61.3	1558 / 61.3
Track, Rear	mm / inch	1581 / 62.2	1581 / 62.2	1581 / 62.2	1581 / 62.2
Width at Shoulderheight, Front	mm / inch	1456 / 57.3	1456 / 57.3	1456 / 57.3	1456 / 57.3
Width at Shoulderheight, Rear	mm / inch	1452 / 57.2	1452 / 57.2	1452 / 57.2	1452 / 57.2
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	914 / 36	914 / 36	914 / 36	914 / 36
Effective Head Room, Front	mm / inch	993 / 39.1	993 / 39.1	993 / 39.1	993 / 39.1
Effective Head Room, Rear	mm / inch	967 / 38.1	967 / 38.1	967 / 38.1	967 / 38.1
Trunk Volume acc DIN	m³ / ft³	0.520 / 18.4	0.520 / 18.4	0.520 / 18.4	0.520 / 18.4
Trunk Volume acc SAE1100	ft³	14	14	14	14
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1590 / 3505	1620 / 3571	1660 / 3660	1680 / 3704
Weight Distribution Front/Rear	%	49.7 / 50.3	50.3 / 49.7	51.2 / 48.8	51.8 / 48.2
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2090 / 4608	2120 / 4674	2210 / 4872	2210 / 4872
Payload	kg / lbs	500 / 1102	500 / 1102	500 / 1213	500 / 1168
Axle Load Limit, front	kg / lbs	1010 / 2227	1010 / 2227	1070 / 2359	1070 / 2359
Axle Load Limit, rear	kg / lbs	1180 / 2601	1180 / 2601	1230 / 2712	1230 / 2712
Roof Load Limit	kg / lbs	100 / 220	100 / 220	100 / 220	100 / 220
Drag Coefficient	Cd	0.29	0.29	0.29	0.29
Drag Cd x A	m² / ft²	0.66 / 7.05	0.66 / 7.05	0.66 / 7.05	0.66 / 7.05
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	-	I	6HP19 TU	G	6HP19 TU
Gear Ratios I	-	4.323	4.171	4.055	4.171
II	-	2.456	2.34	2.396	2.34
III	-	1.659	1.521	1.582	1.521
IV	-	1.23	1.143	1.192	1.143
V	-	1	0.867	1	0.867
VI	-	0.848	0.691	0.872	0.691
Reverse Ratio	-	3.938	3.403	3.677	3.403
Final Drive Ratio	-	3.38	3.73	3.08	3.46
Steering Type / Ratio	-	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 324 / 12.8	Vent. Disc / 324 / 12.8	Vent. Disc / 348 / 13.7	Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 320 / 12.6	Vent. Disc / 320 / 12.6	Vent. Disc / 345 / 13.6	Disc / 345 / 13.6
Tire Type, Front	-	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94W AS	225/50 R17 94W AS
Tire Type, Rear	-	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94W AS	225/50 R17 94W AS
Wheels, Front	-	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy
Wheels, Rear	-	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy
Performance					
Top Speed	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150
Top speed w. Sport Package	km/h / mph	- / -	- / -	- / -	- / -
Acceleration, 0-60 mph	s	6.5	7.1	5.6	5.7
Acceleration, 0-100 Km/h	s	6.9	7.6	5.9	6
Fuel Economy, EPA Estimate - City	mpg	18	18	17	17
Fuel Economy, EPA Estimate - Highway	mpg	28	27	26	26
Fuel Economy, EPA Estimate - Combined	mpg	21	21	20	20
Approximate Range	km / miles	835 / 515	840 / 525	740 / 460	785 / 485

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Technical Data.

2009 BMW 5 Series Sedan.

		528i xDrive Sedan Manual 6 Speed	528i xDrive Sedan Auto 6 Speed	535i xDrive Sedan Manual 6 Speed	535i xDrive Sedan Auto 6 Speed
Body					
No. of Doors / Seating Capacity	-	4 / 5	4 / 5	4 / 5	4 / 5
Vehicle Length	mm / inch	4854 / 191.1	4854 / 191.1	4854 / 191.1	4854 / 191.1
Vehicle Width	mm / inch	1846 / 72.7	1846 / 72.7	1846 / 72.7	1846 / 72.7
Vehicle Height, Unloaded	mm / inch	1482 / 58.3	1482 / 58.3	1482 / 58.3	1482 / 58.3
Wheelbase	mm / inch	2888 / 113.7	2888 / 113.7	2888 / 113.7	2888 / 113.7
Turning Circle	m / ft	11.9 / 39	11.9 / 39	11.9 / 39	11.9 / 39
Track, Front	mm / inch	1558 / 61.3	1558 / 61.3	1558 / 61.3	1558 / 61.3
Track, Rear	mm / inch	1581 / 62.2	1581 / 62.2	1581 / 62.2	1581 / 62.2
Width at Shoulderheight, Front	mm / inch	1456 / 57.3	1456 / 57.3	1456 / 57.3	1456 / 57.3
Width at Shoulderheight, Rear	mm / inch	1452 / 57.2	1452 / 57.2	1452 / 57.2	1452 / 57.2
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	914 / 36	914 / 36	914 / 36	914 / 36
Effective Head Room, Front	mm / inch	993 / 39.1	993 / 39.1	993 / 39.1	993 / 39.1
Effective Head Room, Rear	mm / inch	967 / 38.1	967 / 38.1	967 / 38.1	967 / 38.1
Trunk Volume acc DIN	m³ / ft³	0.520 / 18.4	0.520 / 18.4	0.520 / 18.4	0.520 / 18.4
Trunk Volume acc SAE1100	ft³	14	14	14	14
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1710 / 3770	1730 / 3814	1770 / 3902	1790 / 3946
Weight Distribution Front/Rear	%	51.8 / 48.2	52 / 48	53.1 / 46.9	53.4 / 46.6
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2195 / 4839	2215 / 4883	2270 / 5004	2290 / 5049
Payload	kg / lbs	500 / 1069	500 / 1069	500 / 1102	500 / 1102
Axle Load Limit, front	kg / lbs	1050 / 2315	1050 / 2315	1050 / 2315	1050 / 2315
Axle Load Limit, rear	kg / lbs	1200 / 2646	1200 / 2646	1220 / 2690	1220 / 2690
Roof Load Limit	kg / lbs	100 / 220	100 / 220	100 / 220	100 / 220
Drag Coefficient	Cd	0.29	0.28	0.31	0.31
Drag Cd x A	m² / ft²	0.66 / 7.05	0.63 / 6.81	0.7 / 7.54	0.7 / 7.54
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	6HP19 Tü	G	6HP19 Tü
Gear Ratios I	-	4.35	4.171	4.055	4.171
II	-	2.496	2.34	2.396	2.34
III	-	1.665	1.521	1.582	1.521
IV	-	1.23	1.143	1.192	1.143
V	-	1	0.867	1	0.867
VI	-	0.851	0.691	0.872	0.691
Reverse Ratio	-	3.926	3.403	3.677	3.403
Final Drive Ratio	-	3.46	3.91	3.08	3.46
Steering Type / Ratio	-	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 324 / 12.8	Vent. Disc / 324 / 12.8	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 320 / 12.6	Vent. Disc / 320 / 12.6	Vent. Disc / 345 / 13.6	Vent. Disc / 345 / 13.6
Tire Type, Front	-	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94W AS	225/50 R17 94W AS
Tire Type, Rear	-	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94W AS	225/50 R17 94W AS
Wheels, Front	-	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy
Wheels, Rear	-	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy	7.5J x 17 Light alloy
Performance					
Top Speed	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150
Top speed w. Sport Package	km/h / mph	- / -	- / -	- / -	- / -
Acceleration, 0-60 mph	s	7.1	7.6	5.5	5.6
Acceleration, 0-100 Km/h	s	7.6	8.1	5.8	6
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	805 / 500	785 / 485	710 / 440	730 / 455

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Technical Data.

2009 BMW 5 Series Sedan.

		550i Sedan Manual 6 Speed	550i Sedan Auto 6 Speed
Body			
No. of Doors / Seating Capacity	-	4 / 5	4 / 5
Vehicle Length	mm / inch	4854 / 191.1	4854 / 191.1
Vehicle Width	mm / inch	1846 / 72.7	1846 / 72.7
Vehicle Height, Unloaded	mm / inch	1468 / 57.8	1468 / 57.8
Wheelbase	mm / inch	2888 / 113.7	2888 / 113.7
Turning Circle	m / ft	11.4 / 37.4	11.4 / 37.4
Track, Front	mm / inch	1558 / 61.3	1558 / 61.3
Track, Rear	mm / inch	1581 / 62.2	1581 / 62.2
Width at Shoulderheight, Front	mm / inch	1456 / 57.3	1456 / 57.3
Width at Shoulderheight, Rear	mm / inch	1452 / 57.2	1452 / 57.2
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	914 / 36	914 / 36
Effective Head Room, Front	mm / inch	993 / 39.1	993 / 39.1
Effective Head Room, Rear	mm / inch	967 / 38.1	967 / 38.1
Trunk Volume acc DIN	m³ / ft³	0.520 / 18.4	0.520 / 18.4
Trunk Volume acc SAE1100	ft³	14	14
Fuel Capacity	L / gal	70 / 18.5	70 / 18.5
Curb Weight	kg / lbs	1790 / 3946	1800 / 3968
Weight Distribution Front/Rear	%	51.4 / 48.6	51.7 / 48.3
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2290 / 5049	2300 / 5071
Payload	kg / lbs	500 / 1102	500 / 1102
Axle Load Limit, front	kg / lbs	1120 / 2469	1120 / 2469
Axle Load Limit, rear	kg / lbs	1240 / 2734	1240 / 2734
Roof Load Limit	kg / lbs	100 / 220	100 / 220
Drag Coefficient	Cd	0.29	0.29
Drag Cd x A	m² / ft²	0.66 / 7.05	0.66 / 7.05
Engine			
Engine Type / Cylinder / Valves per Cylinder	-	V 90 / 8 / 4	V 90 / 8 / 4
Engine Management System	-	ME9	ME9
Displacement	cm³ / inch³	4799 / 292.9	4799 / 292.9
Stroke	mm / inch	88.3 / 3.48	88.3 / 3.48
Bore	mm / inch	93 / 3.66	93 / 3.66
Power	SAE hp / rpm	360 / 6300	360 / 6300
Torque	ft lbs / rpm	360 (488) / 3400	360 (488) / 3400
Compression Ratio / Fuel type	-	10.5 / Premium	10.5 / Premium
Chassis and Suspension			
Codification of Reference Gearbox	-	G	6HP26 TU
Gear Ratios I	-	4.055	4.171
II	-	2.396	2.34
III	-	1.582	1.521
IV	-	1.192	1.143
V	-	1	0.867
VI	-	0.872	0.691
Reverse Ratio	-	3.677	3.403
Final Drive Ratio	-	2.93	3.38
Steering Type / Ratio	-	Rack-and-pinion / 13.7	Rack-and-pinion / 13.7
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 348 / 13.7	Vent. Disc / 348 / 13.7
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 345 / 13.6	Vent. Disc / 345 / 13.6
Tire Type, Front	-	225/50 R17 94W AS	225/50 R17 94W AS
Tire Type, Rear	-	225/50 R17 94W AS	225/50 R17 94W AS
Wheels, Front	-	8J x 17 Light alloy	8J x 17 Light alloy
Wheels, Rear	-	8J x 17 Light alloy	8J x 17 Light alloy
Performance			
Top Speed	km/h / mph	240 / 150	240 / 150
Top speed w. Sport Package	km/h / mph	- / -	- / -
Acceleration, 0-60 mph	s	5.4	5.5
Acceleration, 0-100 Km/h	s	5.6	5.7
Fuel Economy, EPA Estimate - City	mpg	15	15
Fuel Economy, EPA Estimate - Highway	mpg	22	23
Fuel Economy, EPA Estimate - Combined	mpg	18	18
Approximate Range	km / miles	675 / 420	680 / 425