

BMW

U.S. Media Information

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Technical Data.

2010 BMW 3 Series Sedan.

		328i Sedan	328i Sedan	335i Sedan	335i Sedan	335d Sedan
10.22.2009		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 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	460 / 1014	461 / 1014	462 / 1014	463 / 1014	464 / 1014
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
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.29	0.29	0.30	0.30	0.30
Drag Cd x A	m² / ft²	0.63 / 6.77	0.63 / 6.77	0.65 / 7.01	0.65 / 7.01	0.65 / 7.01

Engine						
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	In line / 6 / 4 Diesel
Engine Management System	-	MSV80 Port Injection	MSV80 Port Injection	MSD81 Direct Injection	MSD81 Direct Injection	DDE 7.3 Common Rail
Induction System		Natural VALVETRONIC	Natural VALVETRONIC	twin turbo	twin turbo	sequential twin turbo
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 TU	6HP26 TU
Gear Ratios	I	-	4.323	4.065	4.171	4.171
	II	-	2.456	2.371	2.396	2.34
	III	-	1.659	1.551	1.582	1.521
	IV	-	1.23	1.2	1.192	1.143
	V	-	1	0.853	1	0.867
	VI	-	0.848	0.674	0.872	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	22	22	20	20	27
Approximate Range	km / miles	755 / 470	755 / 470	685 / 425	685 / 425	944 / 585

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2010 BMW 3 Series Sedan.

		328i xDrive Sedan Manual 6 Speed	328i xDrive Sedan Auto 6 Speed	335i xDrive Sedan Manual 6 Speed	335i xDrive Sedan Auto 6 Speed
10.22.2009					
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
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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 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	460 / 1014	461 / 1014	462 / 1014	463 / 1014
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
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.30	0.30	0.32	0.32
Drag Cd x A	m² / ft²	0.65 / 7.01	0.65 / 7.01	0.69 / 7.47	0.69 / 7.47
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 / 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	685 / 425	685 / 425	665 / 415	685 / 425