

BMW

U.S. Media Information

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Technical Data.

2011 BMW 3 Series Sedan.

10.01.2010	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	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	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	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	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	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	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	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	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	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	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	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	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	953 / 37.5	953 / 37.5	953 / 37.5	953 / 37.5
Trunk Volume acc SAE1100	ft³	12	12	12	12	12	12	12	12	12
Fuel Capacity	L / gal	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1
Curb Weight	kg / lbs	1525 / 3362	1555 / 3428	1625 / 3582	1635 / 3605	1735 / 3825	1735 / 3825	1735 / 3825	1735 / 3825	1735 / 3825
Weight Distribution, Front / Rear	%	50.5 / 49.5	51.1 / 48.9	50.5 / 49.5	51.1 / 48.9	51 / 49	51.1 / 48.9	51 / 49	51 / 49	51 / 49
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2005 / 4420	2035 / 4486	2110 / 4652	2115 / 4663	2215 / 4883	2115 / 4663	2215 / 4883	2215 / 4883	2215 / 4883
Payload	kg / lbs	460 / 1014	460 / 1014	460 / 1014	460 / 1014	460 / 1014	460 / 1014	460 / 1014	460 / 1014	460 / 1014
Axle Load Limit, front	kg / lbs	965 / 2127	965 / 2127	1005 / 2216	1005 / 2216	1080 / 2381	1005 / 2216	1080 / 2381	1080 / 2381	1080 / 2381
Axle Load Limit, rear	kg / lbs	1120 / 2469	1120 / 2469	1195 / 2634	1195 / 2634	1200 / 2646	1195 / 2634	1200 / 2646	1200 / 2646	1200 / 2646
Towing Capacity	kg / lbs	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.29	0.29	0.30	0.30	0.30	0.30	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	0.65 / 7.01	0.65 / 7.01	0.65 / 7.01	0.65 / 7.01
Engine										
Engine	-	N52	N52	N55	N55	M57	N55	N55	M57	M57
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	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	In line / 6 / 4 Diesel	In line / 6 / 4 Diesel
Engine Management System	-	MSV80 Port Injection	MSV80 Port Injection	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection	DDE 6.2.6 Common Rail	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection	DDE 6.2.6 Common Rail	DDE 6.2.6 Common Rail
Induction System	Bar	Natural Valvetronic	Natural Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic	sequential twin turbo	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic	sequential twin turbo	sequential twin turbo
Boost Pressure	Bar	-	-	0.6	0.6	tba	0.6	0.6	tba	tba
Displacement	cm³ / inch³	2996 / 182.8	2996 / 182.8	2979 / 181.8	2979 / 181.8	2993 / 182.6	2979 / 181.8	2979 / 181.8	2993 / 182.6	2993 / 182.6
Stroke	mm / inch	88 / 3.46	88 / 3.46	89.6 / 3.53	89.6 / 3.53	90 / 3.54	89.6 / 3.53	89.6 / 3.53	90 / 3.54	90 / 3.54
Bore	mm / inch	85 / 3.35	85 / 3.35	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31	84 / 3.31
Power	SAE hp / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800	265 / 4200	300 / 5800	300 / 5800	265 / 4200	265 / 4200
Torque	ft lbs / rpm	200 (270) / 2750	200 (270) / 2750	300 / 1200-5000	300 / 1200-5000	425 / 1750	300 / 1200-5000	300 / 1200-5000	425 / 1750	425 / 1750
Compression Ratio / Fuel type	-	10.7 / Premium	10.7 / Premium	10.2 / Premium	10.2 / Premium	16.5 / ULS Diesel	10.2 / Premium	10.2 / Premium	16.5 / ULS Diesel	16.5 / ULS Diesel
Chassis and Suspension										
Codification of Reference Gearbox	-	I	GM6	K	K	6HP19 TU	6HP19 TU	6HP19 TU	6HP19 TU	6HP26 TU
Gear Ratios	I	4.323	4.065	4.110	4.110	4.171	4.171	4.171	4.171	4.171
II	-	2.456	2.371	2.315	2.315	2.340	2.340	2.340	2.340	2.340
III	-	1.659	1.551	1.542	1.542	1.521	1.521	1.521	1.521	1.521
IV	-	1.230	1.200	1.179	1.179	1.143	1.143	1.143	1.143	1.143
V	-	1.000	0.853	1.000	1.000	0.867	1.000	1.000	0.867	0.867
VI	-	0.848	0.674	0.846	0.846	0.691	0.846	0.846	0.691	0.691
Reverse Ratio	-	3.938	3.200	3.727	3.727	3.403	3.727	3.727	3.403	3.403
Final Drive Ratio	-	3.231	3.727	3.077	3.077	2.813	3.077	3.077	2.813	2.813
Steering Type / Ratio	-	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 16
Front Brakes / Diameter	- / mm / inch	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	Vent. Disc / 348 / 13.7	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	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2	Vent. Disc / 336 / 13.2
Tire Type, Front	-	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	225/45 R17 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	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS	225/45 R17 91H RSC AS
Tire Type, Front w. Sport Package	-	225/45 R17 V RSC	225/45 R17 V RSC	225/40 R18 W RSC	225/40 R18 W RSC	225/40 R18 W RSC	225/40 R18 W RSC	225/40 R18 W RSC	225/40 R18 W RSC	225/40 R18 W RSC
Tire Type, Rear w. Sport Package	-	255/40 R17 V RSC	255/40 R17 V RSC	255/35 R18 W RSC	255/35 R18 W RSC	255/35 R18 W RSC	255/35 R18 W RSC	255/35 R18 W RSC	255/35 R18 W RSC	255/35 R18 W RSC
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	8 J x 17 Light alloy	8 J x 17 Light alloy	8Jx17 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	8 J x 17 Light alloy	8 J x 17 Light alloy	8Jx17 Light alloy	8Jx17 Light alloy
Wheels, Front w. Sport Package	-	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8J x 18 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear w. Sport Package	-	8.5 J x 17 Light alloy	8.5 J x 17 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy	8.5J x 18 Light alloy
Performance										
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top Speed w/ Sport Package	km/h / mph	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150	240 / 150
Acceleration, 0-60 mph	s	6.3	6.9	5.4	5.4	6.0	5.4	5.4	6.0	6.0
Acceleration, 0-100 Km/h	s	6.7	7.3	5.7	5.7	6.3	5.7	5.7	6.3	6.3
Fuel Economy, EPA Estimate - City	mpg	18	18	19	19	23	19	19	23	23
Fuel Economy, EPA Estimate - Highway	mpg	28	28	28	28	26	28	28	26	26
Fuel Economy, EPA Estimate - Combined	mpg	22	22	22	22	27	22	22	27	27
Approximate Range	km / miles	570 / 355	570 / 355	570 / 355	570 / 355	944 / 585	570 / 355	570 / 355	944 / 585	944 / 585

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Technical Data.

2011 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
10.01.2010					
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 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	1705 / 3759	1715 / 3781
Weight Distribution, Front / Rear	%	52.6 / 47.4	52.9 / 47.1	52.2 / 47.8	52.8 / 47.2
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2115 / 4663	2135 / 4707	2210 / 4872	2215 / 4883
Payload	kg / lbs	460 / 1014	460 / 1014	460 / 1014	460 / 1014
Axle Load Limit, front	kg / lbs	1045 / 2304	1045 / 2304	1080 / 2381	1080 / 2381
Axle Load Limit, rear	kg / lbs	1140 / 2513	1140 / 2513	1200 / 2646	1200 / 2646
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					
		N52	N52	N55	N55
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	MEVD 17.2 Direct Injection	MEVD 17.2 Direct Injection
Induction System	-	Natural Valvetronic	Natural Valvetronic	Twin scroll turbo Valvetronic	Twin scroll turbo Valvetronic
Boost Pressure	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 / rpm	230 / 6500	230 / 6500	300 / 5800	300 / 5800
Torque	ft lbs / rpm	200 (270) / 2750	200 (270) / 2750	300 / 1200-5000	300 / 1200-5000
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	K	6HP19 TU
Gear Ratios I	-	4.350	4.065	4.110	4.171
II	-	2.496	2.371	2.315	2.340
III	-	1.665	1.551	1.542	1.521
IV	-	1.230	1.200	1.179	1.143
V	-	1.000	0.853	1.000	0.867
VI	-	0.851	0.674	0.846	0.691
Reverse Ratio	-	3.938	3.200	3.727	3.403
Final Drive Ratio	-	3.385	3.909	3.077	3.462
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	- / mm / inch	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	-	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
Tire Type, Front w. Sport Package	-	225/45 R17 V RSC	225/45 R17 V RSC	225/40 R18 W RSC	225/40 R18 W RSC
Tire Type, Rear w. Sport Package	-	255/40 R17 V RSC	255/40 R17 V RSC	255/35 R18 W RSC	255/35 R18 W RSC
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
Wheels, Front w. Sport Package	-	8 J x 17 Light alloy	8 J x 17 Light alloy	8J x 18 Light alloy	8J x 18 Light alloy
Wheels, Rear w. Sport Package	-	8.5 J x 17 Light alloy	8.5 J x 17 Light alloy	8.5J x 18 Light alloy	8.5J x 18 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	19	18
Fuel Economy, EPA Estimate - Highway	mpg	25	26	26	27
Fuel Economy, EPA Estimate - Combined	mpg	20	20	22	21
Approximate Range	km / miles	520 / 325	520 / 325	570 / 355	545 / 340