

Technical Data

2014 BMW 3 Series Sedans

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		320i Sedan	320i Sedan	328i Sedan	328i Sedan -SULEV-	328i Sedan
Engine type		N20B20U0	N20B20U0	N20B20O0	N26B20O0	N20B20O0
Transmission type		automatic transmission 8	manual transmission 6	automatic transmission 8	automatic transmission 8	manual transmission 6
No of Doors / Seats	/	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2
Veh. width	mm / inch	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3
Veh. height	mm / inch	1429 / 56.3	1429 / 56.3	1429 / 56.3	1429 / 56.3	1429 / 56.3
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6
Turning circle	m / ft	11.3 / 37.1	11.3 / 37.1	11.3 / 37.1	11.3 / 37.1	11.3 / 37.1
Ground clearance	mm / inch	140 / 5.5	140 / 5.5	140 / 5.5	140 / 5.5	140 / 5.5
Shoulder width front	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Shoulder width rear	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Legroom front	mm / inch	1068 / 42	1068 / 42	1068 / 42	1068 / 42	1068 / 42
Legroom rear	mm / inch	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1
Max. headroom front	mm / inch	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3
Max. headroom rear	mm / inch	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7
Luggage comp. capacity	m³ / ft³	0,480 / 17.0	0,480 / 17.0	0,480 / 17.0	0,480 / 17.0	0,480 / 17.0
Fuel tank capacity	liter / gal	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8
Curb weight (US)	Kg / lbs	1495 / 3295	1474 / 3250	1547 / 3410	1551 / 3420	1524 / 3360
Weight distribution (empty car)	front % / rear %	50.1 / 49.9	49.5 / 50.5	50 / 50	50.1 / 49.9	49.4 / 50.6
Gross veh. weight	Kg / lbs	1969 / 4340	1950 / 4300	2005 / 4420	2009 / 4430	1980 / 4365
Payload	Kg / lbs	408 / 900	408 / 900	408 / 900	408 / 900	408 / 900
Axle load limit front	Kg / lbs	900 / 1985	900 / 1985	914 / 2015	919 / 2025	914 / 2015
Axle load limit rear	Kg / lbs	1125 / 2480	1125 / 2480	1139 / 2510	1139 / 2510	1139 / 2510
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4
Engine management		MEVD 17.2.4	MEVD 17.2.4	MEVD 17.2.4	MEVD 17.2.4	MEVD 17.2.4
Induction type		Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	1997 / 122	1997 / 122	1997 / 122	1997 / 122	1997 / 122
Stroke	mm / inch	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	180 / 5000-6250	180 / 5000-6250	240 / 5000-6000	240 / 5000-6000	240 / 5000-6000
Engine torque / at rpm	ft lbs (Nm) / RPM	200 (270) / 1250-4500	200 (270) / 1250-4500	255 (350) / 1250-4800	255 (350) / 1250-4800	255 (350) / 1250-4800
Compression rate / Fuel type (recomm.)	/ : 1	11 / Premium	11 / Premium	10 / Premium	10 / Premium	10 / Premium
Transmission Type		8HP45	1 plus	8HP45	8HP45	1 plus
Gear ratios 1st gear		4.714	3.498	4.714	4.714	3.683
2nd gear		3.143	2.005	3.143	3.143	2.062
3rd gear		2.106	1.313	2.106	2.106	1.313
4th gear		1.667	1	1.667	1.667	1
5th gear		1.285	0.809	1.285	1.285	0.809
6th gear		1	0.701	1	1	0.677
7th gear		0.839		0.839	0.839	
8th gear		0.667		0.667	0.667	
Reverse gear		3.295	3.187	3.295	3.295	3.348
Final drive		3.154	3.077	3.154	3.154	3.909
Steering type / Steering ratio	/ : 1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.1
Front brake // Diameter	inch	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3
Rear brake // Diameter	inch	disc ventilated // 11.8	disc ventilated // 11.8	disc ventilated // 11.8	disc ventilated // 11.8	disc ventilated // 11.8
Cd // Frontal	// m² / ft²	0.29 // 2.2 / 23.68	0.29 // 2.2 / 23.68	0.29 // 2.2 / 23.68	0.29 // 2.2 / 23.68	0.29 // 2.2 / 23.68
Top speed	Kmh / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Kmh / mph	235 / 146	235 / 146	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	7.1	7.1	5.8	5.9	5.7
Acceleration 0-100Kmh	s	7.1	7.5	6.1	6.1	6.1
Acceleration 0-1000m	s	28.2	27.8	25.9	25.9	25.6
Fuel cons. city (official EPA)	mpg	24	23	23	23	22
Fuel cons. highway (official EPA)	mpg	36	36	33	33	34
Fuel cons. combined (official EPA)	mpg	28	27	26	26	26
Range	miles	442	427	411	411	411
Front tires		225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC
Rear tires		225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC
Front wheels		7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Rear wheels		7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Track front	mm / inch	1531 / 60.3	1531 / 60.3	1531 / 60.3	1531 / 60.3	1531 / 60.3
Track rear	mm / inch	1572 / 61.9	1572 / 61.9	1572 / 61.9	1572 / 61.9	1572 / 61.9

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		335i Sedan	335i Sedan	320i xDrive Sedan	328i xDrive Sedan	328i xDrive Sedan -SULEV-
Engine type		N55B30M0	N55B30M0	N20B20U0	N20B20O0	N26B20O0
Transmission type		automatic transmission 8	manual transmission 6	automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats	/	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2
Veh. width	mm / inch	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3
Veh. height	mm / inch	1429 / 56.3	1429 / 56.3	1434 / 56.5	1434 / 56.5	1434 / 56.5
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6
Turning circle	m / ft	11.3 / 37.1	11.3 / 37.1	11.7 / 38.4	11.7 / 38.4	11.7 / 38.4
Ground clearance	mm / inch	140 / 5.5	140 / 5.5	145 / 5.7	145 / 5.7	145 / 5.7
Shoulder width front	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Shoulder width rear	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Legroom front	mm / inch	1068 / 42	1068 / 42	1068 / 42	1068 / 42	1068 / 42
Legroom rear	mm / inch	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1
Max. headroom front	mm / inch	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3
Max. headroom rear	mm / inch	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7
Luggage comp. capacity	m³ / ft³	0.490 / 17.0	0.490 / 17.0	0.490 / 17.0	0.490 / 17.0	0.490 / 17.0
Fuel tank capacity	liter / gal	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8	60 / 15.8
Curb weight (US)	Kg / lbs	1613 / 3555	1608 / 3545	1565 / 3450	1631 / 3595	1635 / 3605
Weight distribution (empty car)	front % / rear %	51.5 / 48.5	51.1 / 48.9	51.9 / 48.1	51.3 / 48.7	51.3 / 48.7
Gross veh. weight	Kg / lbs	2071 / 4565	2059 / 4540	2043 / 4505	2080 / 4585	2084 / 4595
Payload	Kg / lbs	408 / 900	408 / 900	408 / 900	408 / 900	408 / 900
Axle load limit front	Kg / lbs	971 / 2140	971 / 2140	964 / 2125	984 / 2170	984 / 2170
Axle load limit rear	Kg / lbs	1150 / 2535	1150 / 2535	1139 / 2510	1159 / 2555	1159 / 2555
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4	in line, VANOS, Valvetronic / 4 / 4
Engine management		MEVD 17.2.6	MEVD 17.2.6	MEVD 17.2.4	MEVD 17.2.4	MEVD 17.2.4
Induction type		Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	2979 / 182	2979 / 182	1997 / 122	1997 / 122	1997 / 122
Stroke	mm / inch	89.6 / 3.5	89.6 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	300 / 1300-1500	300 / 1300-1500	180 / 5000-6250	240 / 5000-6000	240 / 5000-6000
Engine torque / at rpm	ft lbs (Nm) / RPM	300 (400) / 1300-5000	300 (400) / 1300-5000	200 (270) / 1250-4500	255 (350) / 1250-4800	255 (350) / 1250-4800
Compression rate / Fuel type (recomm.)	/ : 1	10.2 / Premium	10.2 / Premium	11 / Premium	10 / Premium	10 / Premium
Transmission Type		8HP45	K	8HP45	8HP45	8HP45
Gear ratios 1st gear		4.714	4.11	4.714	4.714	4.714
2nd gear		3.143	2.315	3.143	3.143	3.143
3rd gear		2.106	1.542	2.106	2.106	2.106
4th gear		1.667	1.179	1.667	1.667	1.667
5th gear		1.285	1	1.285	1.285	1.285
6th gear		1	0.846	1	1	1
7th gear		0.839		0.839	0.839	0.839
8th gear		0.667		0.667	0.667	0.667
Reverse gear		3.295	3.727	3.295	3.295	3.295
Final drive		3.154	3.231	3.385	3.154	3.154
Steering type / Steering ratio	/ : 1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.2	rack-and-pinion / 15.2	rack-and-pinion / 15.2
Front brake // Diameter	inch	disc ventilated / 13.4	disc ventilated / 13.4	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3
Rear brake // Diameter	inch	disc ventilated / 13	disc ventilated / 13	disc ventilated // 11.8	disc ventilated // 11.8	disc ventilated // 11.8
Cd // Frontal	// m² / ft²	0.3 // 2.2 / 23.68	0.3 // 2.2 / 23.68	0.3 // 2.2 / 23.68	0.3 // 2.2 / 23.68	0.3 // 2.2 / 23.68
Top speed	Km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155	230 / 143	240 / 149	240 / 149
Acceleration 0-60 mph	s	5.1	5.4	7.1	5.7	5.7
Acceleration 0-100Km/h	s	5.4	5.7	7.6	6	6
Acceleration 0-1000m	s	24.5	24.5	28.4	25.9	25.9
Fuel cons. city (official EPA)	mpg	22	20	23	22	22
Fuel cons. highway (official EPA)	mpg	32	30	35	33	33
Fuel cons. combined (official EPA)	mpg	25	23	27	26	26
Range	miles	395	363	427	411	411
Front tires		225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V	225/50 R17 94V RSC	225/50 R17 94V RSC
Rear tires		225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V	225/50 R17 94V RSC	225/50 R17 94V RSC
Front wheels		8J x 18 LM	8J x 18 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Rear wheels		8J x 18 LM	8J x 18 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Track front	mm / inch	1537 / 60.5	1537 / 60.5	1531 / 60.3	1531 / 60.3	1531 / 60.3
Track rear	mm / inch	1578 / 62.1	1578 / 62.1	1570 / 61.8	1570 / 61.8	1570 / 61.8

Technical Data
2014 BMW 3 Series Sedans

		335i xDrive Sedan	335i xDrive Sedan	328d Sedan	328d xDrive Sedan	ActiveHybrid 3 Sedan
Engine type		N55B30M0	N55B30M0	N47D2001	N47D2001	N55B30M0
Transmission type		automatic transmission 8	manual transmission 6	automatic transmission 8	automatic transmission 8	Hybridgetriebe Gen2 8
No of Doors / Seats	/	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2	4627 / 182.2
Veh. width	mm / inch	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3	1811 / 71.3
Veh. height	mm / inch	1434 / 56.5	1434 / 56.5	1429 / 56.3	1434 / 56.5	1429 / 56.3
Wheelbase	mm / inch	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6	2810 / 110.6
Turning circle	m / ft	11.7 / 38.4	11.7 / 38.4	11.3 / 37.1	11.7 / 38.4	11.3 / 37.1
Ground clearance	mm / inch	145 / 5.7	145 / 5.7	140 / 5.5	145 / 5.7	140 / 5.5
Shoulder width front	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Shoulder width rear	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Legroom front	mm / inch	1068 / 42	1068 / 42	1068 / 42	1068 / 42	1068 / 42
Legroom rear	mm / inch	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1	892 / 35.1
Max. headroom front	mm / inch	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3	1023 / 40.3
Max. headroom rear	mm / inch	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7	957 / 37.7
Luggage comp. capacity	m³ / ft³	0,480 / 17	0,480 / 17	0,480 / 17.0	0,480 / 17.0	0,390 / 13.8
Fuel tank capacity	lber / gal	60 / 15.8	60 / 15.8	57 / 15	57 / 15	57 / 15
Curb weight (US)	Kg / lbs	1683 / 3710	1676 / 3695	1569 / 3460	1642 / 3620	1735 / 3825
Weight distribution (empty car)	front % / rear %	52.6 / 47.4	52.2 / 47.8	49.1 / 50.9	50.8 / 49.2	49.1 / 50.1
Gross veh. weight	Kg / lbs	2130 / 4695	2121 / 4675	1980 / 4365	2059 / 4540	2184 / 4815
Payload	Kg / lbs	408 / 900	408 / 900	408 / 900	408 / 900	408 / 900
Axle load limit front	Kg / lbs	1034 / 2280	1034 / 2280	905 / 1995	980 / 2160	1021 / 2250
Axle load limit rear	Kg / lbs	1161 / 2560	1161 / 2560	1129 / 2490	1145 / 2525	1229 / 2710
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	in line / 4 / 4	in line / 4 / 4	in line, VANOS, Valvetronic / 6 / 4
Engine management		MEVD 17.2.6	MEVD 17.2.6	DDE 7.01	DDE 7.01	MEVD 17.2.6
Induction type		Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Variable Geometry Turbocharger	Variable Geometry Turbocharger	Single Turbo Charger / Twin scroll
Injection type		High precision direct injection	High precision direct injection	Common rail direct injection / CR3	Common rail direct injection / CR3	High precision direct injection
Displacement	cm³ / inch³	2979 / 182	2979 / 182	1995 / 122	1995 / 122	2979 / 182
Stroke	mm / inch	89.6 / 3.5	89.6 / 3.5	90 / 3.5	90 / 3.5	89.6 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	300 / 1300-1500	300 / 1300-1500	181 / 4000	181 / 4000	335 / 5800-6000
Engine torque / at rpm	ft lbs (Nm) / RPM	300 (400) / 1300-5000	300 (400) / 1300-5000	280 (380) / 1750-2750	280 (380) / 1750-2750	332 / 1300-5000
Compression rate / Fuel type (recomm.)	/ : 1	10.2 / Premium	10.2 / Premium	16.5 / Ultra Low Sulfur Diesel	16.5 / Ultra Low Sulfur Diesel	10.2 / Premium
Transmission Type		8HP45	K	8HP45	8HP45	8P70H
Gear ratios 1st gear		4.714	4.11	4.714	4.714	4.714
2nd gear		3.143	2.315	3.143	3.143	3.143
3rd gear		2.106	1.542	2.106	2.106	2.106
4th gear		1.667	1.179	1.667	1.667	1.667
5th gear		1.285	1	1.285	1.285	1.285
6th gear		1	0.846	1	1	1
7th gear		0.839		0.839	0.839	0.839
8th gear		0.667		0.667	0.667	0.667
Reverse gear		3.295	3.727	3.295	3.295	3.295
Final drive		3.154	3.231	2.813	2.813	2.813
Steering type / Steering ratio	/ : 1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.1	rack-and-pinion / 15.2	rack-and-pinion / 15.1
Front brake // Diameter	inch	disc ventilated / 13.4	disc ventilated / 13.4	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated / 13.4
Rear brake // Diameter	inch	disc ventilated / 13	disc ventilated / 13	disc ventilated // 11.8	disc ventilated // 11.8	disc ventilated / 13
Cd // Frontal	// m² / ft²	0.3 // 2.2 / 23.68	0.3 // 2.2 / 23.68	0.28 // 2.2 / 23.68	0.28 // 2.2 / 23.68	0.0.29 // 2.20 / 23.68
Top speed	Kmh / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Kmh / mph	250 / 155	250 / 155	230 / 143	228 / 142	250 / 155
Acceleration 0-60 mph	s	4.8	5.1	7.4	7.4	5.2
Acceleration 0-100Kmh	s	5.1	5.4	7.4	7.4	5.5
Acceleration 0-1000m	s	24.5	24.5	27.7	27.8	24.7
Fuel cons. city (official EPA)	mpg	20	20	32	31	25
Fuel cons. highway (official EPA)	mpg	30	28	45	43	35
Fuel cons. combined (official EPA)	mpg	24	23	37	35	28
Range	miles	379	363	555	525	420
Front tires		225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/45 R18 91V RSC
Rear tires		225/45 R18 91V RSC	225/45 R18 91V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC	225/45 R18 91V RSC
Front wheels		8J x 18 LM	8J x 18 LM	7.5J x 17 LM	7.5J x 17 LM	8J x 18 LM
Rear wheels		8J x 18 LM	8J x 18 LM	7.5J x 17 LM	7.5J x 17 LM	8J x 18 LM
Track front	mm / inch	1537 / 60.5	1537 / 60.5	1531 / 60.3	1531 / 60.3	1537 / 60.5
Track rear	mm / inch	1578 / 62.1	1578 / 62.1	1570 / 61.8	1570 / 61.8	1578 / 62.1