

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.	cm³ / inch ³ mm / inch mm / inch hp / RPM ft lbs (Nm) / RPM :1 /	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4
Engine management		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
Induction type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Injection type		1997 / 122	1997 / 122	1997 / 122	1997 / 122	1997 / 122
Displacement		90.1 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5
Stroke		84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Bore		180 / 5000	180 / 5000	240 / 5000-6000	240 / 5000-6000	240 / 5000-6000
Engine power / at rpm		184 (250) / 1250-4500	184 (250) / 1250-4500	255 (350) / 1250-4800	255 (350) / 1250-4800	255 (350) / 1250-4800
Engine torque / at rpm	:1 /	11/Premium	11/Premium	10/Premium	10/Premium	10/Premium
Compression rate / Fuel type (recomm.)		8HP45	l plus	8HP45	8HP45	l plus
Transmission Type		4.714	3.498	4.714	4.714	3.683
Gear ratios 1st gear		3.143	2.005	3.143	3.143	2.062
2nd gear		2.106	1.313	2.106	2.106	1.313
3rd gear		1.667	1	1.667	1.667	1
4th gear		1.285	0.809	1.285	1.285	0.809
5th gear		1	0.701	1	1	0.677
6th gear		0.839		0.839	0.839	
7th gear		0.667		0.667	0.667	
8th gear		3.295	3.187	3.295	3.295	3.348
Reverse gear		3.154	3.077	3.154	3.154	3.909
Final drive						
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	Km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / 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 0-100Km/h	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	mm / inch	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		1531 / 60.3	1531 / 60.3	1531 / 60.3	1531 / 60.3	1531 / 60.3
Track rear		1572 / 61.9	1572 / 61.9	1572 / 61.9	1572 / 61.9	1572 / 61.9

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		335i Sedan	320i xDrive Sedan	328i xDrive Sedan	328i xDrive Sedan -SULEV-	328d Sedan
Engine type		N55B30M0	N20B20U0	N20B20O0	N26B20O0	N47D20O1
Transmission type		manual transmission 6	automatic transmission 8	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	1434 / 56.5	1434 / 56.5	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	11.3 / 37.1	11.7 / 38.4	11.7 / 38.4	11.7 / 38.4	11.3 / 37.1
Ground clearance	mm / inch	140 / 5.5	145 / 5.7	145 / 5.7	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	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	57 / 15
Curb weight (US)	Kg / lbs	1608 / 3545	1565 / 3450	1631 / 3595	1635 / 3605	1569 / 3460
Weight distribution (empty car)	front % / rear %	51.1 / 48.9	51.9 / 48.1	51.3 / 48.7	51.3 / 48.7	49.1 / 50.9
Gross veh. weight	Kg / lbs	2059 / 4540	2043 / 4505	2080 / 4585	2084 / 4595	1980 / 4365
Payload	Kg / lbs	408 / 900	408 / 900	408 / 900	408 / 900	408 / 900
Axle load limit front	Kg / lbs	971 / 2140	964 / 2125	984 / 2170	984 / 2170	905 / 1995
Axle load limit rear	Kg / lbs	1150 / 2535	1139 / 2510	1159 / 2555	1159 / 2555	1129 / 2490
Engine type / Cylinders / Valves p.cyl.	cm³ / inch ³ mm / inch mm / inch hp / RPM ft lbs (Nm) / RPM :1 /	in line, VANOS, Valvetronic / 6 / 4 MEVD 17.2.6	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line, VANOS, Valvetronic / 4 / 4 MEVD 17.2.4	in line / 4 / 4 DDE 7.01
Engine management		Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Single Turbo Charger / Twin scroll	Variable Geometry Turbocharger
Induction type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	Common rail direct injection / CR3
Injection type		2979 / 182	1997 / 122	1997 / 122	1997 / 122	1995 / 122
Displacement		89.6 / 3.5	90.1 / 3.5	90.1 / 3.5	90.1 / 3.5	90 / 3.5
Stroke		84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Bore		300 / 5800	181 / 5000-6250	240 / 5000-6000	240 / 5000-6000	181 / 4000
Engine power / at rpm		300 (407) / 1300-5000	199 (270) / 1250-4500	255 (350) / 1250-4800	255 (350) / 1250-4800	280 (380) / 1750-2750
Engine torque / at rpm		10.2/Premium	11/Premium	10/Premium	10/Premium	16.5 / Ultra Low Sulfur Diesel
Compression rate / Fuel type (recomm.)						
Transmission Type	K 4.11 2.315 1.542 1.179 1 0.846 3.727 3.231	K 4.11	8HP45 4.714	8HP45 4.714	8HP45 4.714	8HP45 4.714
Gear ratios 1st gear		2.315	3.143	3.143	3.143	3.143
2nd gear		1.542	2.106	2.106	2.106	2.106
3rd gear		1.179	1.667	1.667	1.667	1.667
4th gear		1	1.285	1.285	1.285	1.285
5th gear		0.846	1	1	1	1
6th gear			0.839	0.839	0.839	0.839
7th gear			0.667	0.667	0.667	0.667
8th gear			3.295	3.295	3.295	3.295
Reverse gear			3.385	3.154	3.154	2.813
Final drive						
Steering type / Steering ratio	/ :1	rack-and-pinion / 15.1	rack-and-pinion / 15.2	rack-and-pinion / 15.2	rack-and-pinion / 15.2	rack-and-pinion / 15.1
Front brake // Diameter	inch	disc ventilated / 13.4	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3	disc ventilated // 12.3
Rear brake // Diameter	inch	disc ventilated / 13	disc ventilated // 11.8	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	0.28 // 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	230 / 143	240 / 149	240 / 149	230 / 143
Acceleration 0-60 mph	s	5.4	7.1	5.7	5.7	7.4
Acceleration 0-100Km/h	s	5.7	7.6	6	6	7.4
Acceleration 0-1000m	s	24.5	28.4	25.9	25.9	27.7
Fuel cons. city (official EPA)	mpg	20	23	22	22	32
Fuel cons. highway (official EPA)	mpg	30	35	33	33	45
Fuel cons. combined (official EPA)	mpg	23	27	26	26	37
Range	miles	363	427	411	411	555
Front tires	mm / inch mm / inch	225/45 R18 91V RSC	225/50 R17 94V	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC
Rear tires		225/45 R18 91V RSC	225/50 R17 94V	225/50 R17 94V RSC	225/50 R17 94V RSC	225/50 R17 94V RSC
Front wheels		8J x 18 LM	7,5J x 17 LM	7,5J x17 LM	7,5J x17 LM	7,5J x 17 LM
Rear wheels		8J x 18 LM	7,5J x 17 LM	7,5J x17 LM	7,5J x17 LM	7,5J x 17 LM
Track front		1537 / 60.5	1531 / 60.3	1531 / 60.3	1531 / 60.3	1531 / 60.3
Track rear		1578 / 62.1	1570 / 61.8	1570 / 61.8	1570 / 61.8	1570 / 61.8

Technical Data

2014 BMW 3 Series Sedans

		328d xDrive Sedan
Engine type		N47D2001
Transmission type		automatic transmission 8
No of Doors / Seats	/	4 / 5
Veh. length	mm / inch	4627 / 182.2
Veh. width	mm / inch	1811 / 71.3
Veh. height	mm / inch	1434 / 56.5
Wheelbase	mm / inch	2810 / 110.6
Turning circle	m / ft	11.7 / 38.4
Ground clearance	mm / inch	145 / 5.7
Shoulder width front	mm / inch	1400 / 55.1
Shoulder width rear	mm / inch	1400 / 55.1
Legroom front	mm / inch	1068 / 42
Legroom rear	mm / inch	892 / 35.1
Max. headroom front	mm / inch	1023 / 40.3
Max. headroom rear	mm / inch	957 / 37.7
Luggage comp. capacity	m³ / ft³	0,480 / 17.0
Fuel tank capacity	liter / gal	57 / 15
Curb weight (US)	Kg / lbs	1642 / 3620
Weight distribution (empty car)	front % / rear %	50.8 / 49.2
Gross veh. weight	Kg / lbs	2059 / 4540
Payload	Kg / lbs	408 / 900
Axle load limit front	Kg / lbs	980 / 2160
Axle load limit rear	Kg / lbs	1145 / 2525
Engine type / Cylinders / Valves p.cyl.		in line / 4 / 4
Engine management		DDE 7.01
Induction type		Variable Geometry Turbocharger
Injection type		Common rail direct injection / CR3
Displacement	cm³ / inch ³	1995 / 122
Stroke	mm / inch	90 / 3.5
Bore	mm / inch	84 / 3.3
Engine power / at rpm	hp / RPM	181 / 4000
Engine torque / at rpm	ft lbs (Nm) / RPM	280 (380) / 1750-2750
Compression rate / Fuel type (recomm.)	:1 /	16.5 / Ultra Low Sulfur Diesel
Transmission Type		8HP45
Gear ratios 1st gear		4.714
2nd gear		3.143
3rd gear		2.106
4th gear		1.667
5th gear		1.285
6th gear		1
7th gear		0.839
8th gear		0.667
Reverse gear		3.295
Final drive		2.813
Steering type / Steering ratio	/ :1	rack-and-pinion / 15.2
Front brake // Diameter	inch	disc ventilated // 12.3
Rear brake // Diameter	inch	disc ventilated // 11.8
Cd // Frontal	// m² / ft²	0.28 // 2.2 / 23.68
Top speed	Km/h / mph	210 / 130
Top speed optional	Km/h / mph	228 / 142
Acceleration 0-60 mph	s	7.4
Acceleration 0-100Km/h	s	7.4
Acceleration 0-1000m	s	27.8
Fuel cons. city (official EPA)	mpg	31
Fuel cons. highway (official EPA)	mpg	43
Fuel cons. combined (official EPA)	mpg	35
Range	miles	525
Front tires		225/50 R17 94V RSC
Rear tires		225/50 R17 94V RSC
Front wheels		7,5J x 17 LM
Rear wheels		7,5J x 17 LM
Track front	mm / inch	1531 / 60.3
Track rear	mm / inch	1570 / 61.8