

BMW

U.S. Media Information

Technical Data

2018 BMW 3 Series Sedan

		320i	320i	320i xDrive	320i xDrive
		manual transmission	automatic	manual transmission	automatic
Transmission type					
Body					
Seats	--	5	5	5	5
Number of Doors	--	4	4	4	4
drive type	--	RWD	RWD	AWD	AWD
Veh. length	inch	182.8	182.8	182.8	182.8
Veh. width	inch	71.3	71.3	71.3	71.3
Width incl mirrors	inch	80	80	80	80
Veh. height	inch	56.3	56.3	56.5	56.5
Wheelbase	inch	110.6	110.6	110.6	110.6
Overhang front	inch	31.1	31.1	31.1	31.1
Rear overhang	inch	41.1	41.1	41.1	41.1
Ground clearance	inch	5.5	5.5	5.7	5.7
Turning circle	ft	37.1	37.1	38.4	38.4
Legroom front	inch	42	42	42	42
Legroom 2nd row	inch	35.1	35.1	35.1	35.1
Shoulder room front	inch	55.1	55.1	55.1	55.1
Shoulder room rear	inch	55.1	55.1	55.1	55.1
Headroom front	inch	40.3	40.3	40.3	40.3
Maximum headroom 2nd row	inch	37.7	37.7	37.7	37.7
Front Seat Volume	ft³	54	54	54	54
Rear Seat Volume	ft³	42.2	42.2	42.2	42.2
Press Trunk volume (SAE)	ft³	17	17	17	17
US Tank capacity - series	gal	15.8	15.8	15.8	15.8
rear Weight distribution (empty car)	%	50.5	50	49.1	48.9
US Curb weight	lbs	3320	3370	3500	3510
Engine					
Engine type	--	N20B20U0	N20B20U0	N20B20U0	N20B20U0
Cylinders	--	4	4	4	4
Valves p.cyl.	--	4	4	4	4
Stroke	mm	90.1	90.1	90.1	90.1
Bore	mm	84	84	84	84
Displacement	cm³	1997	1997	1997	1997
Compression rate	:1	11	11	11	11

		320i	320i	320i xDrive	320i xDrive
Engine power@rpm	hp@rpm	180@5000	180@5000	180@5000	180@5000
Engine torque	lb-ft@rpm	200@1250-4500	200@1250-4500	200@1250-4500	200@1250-4500
Fuel type	--	gasoline	gasoline	gasoline	gasoline
Useable Fuel quality	--	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN
recomm.	--	AKI 91	AKI 91	AKI 91	AKI 91
Engine oil (filling quantity)	liter	5	5	5	5
Motor function (1. E-engine)	--	-	-	-	-
Engine (1. E-engine)	--	-	-	-	-
Peak Power (1. E-engine)	hp	-	-	-	-
Engine power (cumul.)	hp	-	-	-	-
Engine torque (cumul.)	lb-ft	-	-	-	-
Electrification level	--	none	none	none	none
Transmission					
Transmission designation	--	I-270-Turbo	8HP45	K	8HP45
Transmission type	--	manual transmission	automatic transmission	manual transmission	automatic transmission
Gear ratios					
1st gear	--	4.552	4.714	4.11	4.714
2nd	--	2.548	3.143	2.315	3.143
3rd	--	1.659	2.106	1.542	2.106
4th	--	1.23	1.667	1.179	1.667
5th	--	1	1.285	1	1.285
6th	--	0.83	1	0.846	1
7th	--	-	0.839	-	0.839
8th	--	-	0.667	-	0.667
Reverse gear	--	4.138	3.295	3.727	3.295
Final drive ratio	--	3.077	3.154	3.385	3.154
Chassis and Suspension					
Power-steering	--	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	15	15	15.1	15.1
Front tires	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS
Front rims	--	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Rear tires	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS
Rear rims	--	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Track front	inch	60.3	60.3	60.3	60.3
Rear track	inch	61.9	61.9	61.8	61.8
Run flat tires	--	yes	yes	yes	yes
Performance					
Top speed	mph	130	130	130	130
Top speed opt	mph	146	146	144	143
Top speed (electrical)	mph	-	-	-	-
0-60 mph	s	7.1	7.1	7.0	-
A	m ²	2.2	2.2	2.2	2.2
Cx	--	0.28	0.28	0.29	0.29

		320i	320i	320i xDrive	320i xDrive
Electrical System					
Battery Capacity (low voltage)	Ah	90	90	90	90
System voltage (low voltage)	V	12	12	12	12
Battery Capacity (high voltage)	Ah	-	-	-	-
System voltage (high voltage)	V	-	-	-	-
Battery type high voltage	--	-	-	-	-
Gross battery content high voltage	kWh	-	-	-	-
Net battery content high voltage	kWh	-	-	-	-
Battery Position high voltage	--	-	-	-	-
Level 2 charger	--	-	-	-	-
Level 2 charger	A	-	-	-	-
Level 2 charging time (0-80% SoC)	h	-	-	-	-
Level 2 charging time (0-100% SoC)	h	-	-	-	-
Fuel economy					
Fuel cons. city (official EPA)	mpg	23	23	tbc	23
Fuel cons. highway (official EPA)	mpg	35	35	tbc	34
Fuel cons. combined (official EPA)	mpg	27	28	tbc	27
Fuel economy combined city/highway Gasoline + electric (official EPA)	MpGe	-	-	-	-

		330i	330i	330i xDrive	340i	340i
		manual transmission	automatic	automatic	manual transmission	automatic
Transmission type						
Body						
Seats	--	5	5	5	5	5
Number of Doors	--	4	4	4	4	4
drive type	--	RWD	RWD	AWD	RWD	RWD
Veh. length	inch	182.8	182.8	182.8	182.8	182.8
Veh. width	inch	71.3	71.3	71.3	71.3	71.3
Width incl mirrors	inch	80	80	80	80	80
Veh. height	inch	56.3	56.3	56.5	56.3	56.3
Wheelbase	inch	110.6	110.6	110.6	110.6	110.6
Overhang front	inch	31.1	31.1	31.1	31.1	31.1
Rear overhang	inch	41.1	41.1	41.1	41.1	41.1
Ground clearance	inch	5.5	5.5	5.7	5.5	5.5
Turning circle	ft	37.1	37.1	38.4	37.1	37.1
Legroom front	inch	42	42	42	42	42
Legroom 2nd row	inch	35.1	35.1	35.1	35.1	35.1
Shoulder room front	inch	55.1	55.1	55.1	55.1	55.1
Shoulder room rear	inch	55.1	55.1	55.1	55.1	55.1
Headroom front	inch	40.3	40.3	40.3	40.3	40.3
Maximum headroom 2nd row	inch	37.7	37.7	37.7	37.7	37.7
Front Seat Volume	ft³	54	54	54	54	54
Rear Seat Volume	ft³	42.2	42.2	42.2	42.2	42.2
Press Trunk volume (SAE)	ft³	17	17	17	17	17
US Tank capacity - series	gal	15.8	15.8	15.8	15.8	15.8
rear Weight distribution (empty car)	%	50.3	49.9	48.2	48.8	49
US Curb weight	lbs	3501	3541	3706	3665	3695
Engine						
Engine type	--	B46B2000	B46B2000	B46B2000	B58B30M0	B58B30M0
Cylinders	--	4	4	4	6	6
Valves p.cyl.	--	4	4	4	4	4
Stroke	mm	94.6	94.6	94.6	94.6	94.6
Bore	mm	82	82	82	82	82
Displacement	cm³	1998	1998	1998	2998	2998
Compression rate	:1	11	11	11	11	11
Engine power@rpm	hp@rpm	248@5200	248@5200	248@5200	320@5500	320@5500
Engine torque	lb-ft@rpm	258@1450-4800	258@1450-4800	258@1450-4800	330@1380-5000	330@1380-5000
Fuel type	--	gasoline	gasoline	gasoline	gasoline	gasoline
Useable Fuel quality recomm.	--	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN
Engine oil (filling quantity)	liter	5.25	5.25	5.25	6.5	6.5

		330i	330i	330i xDrive	340i	340i
Motor function (1. E-engine)	--	-	-	-	-	-
Engine (1. E-engine)	--	-	-	-	-	-
Peak Power (1. E-engine)	hp	-	-	-	-	-
Engine power (cumul.)	hp	-	-	-	-	-
Engine torque (cumul.)	lb-ft	-	-	-	-	-
Electrification level	--	none	none	none	none	none
Transmission						
Transmission designation	--	I-350 BK	8HP50	8HP50	K	8HP50
Transmission type	--	manual transmission	automatic transmission	automatic transmission	manual transmission	automatic transmission
Gear ratios						
1st gear	--	3.683	5	5	4.11	5
2nd	--	2.062	3.2	3.2	2.315	3.2
3rd	--	1.313	2.143	2.143	1.542	2.143
4th	--	1	1.72	1.72	1.179	1.72
5th	--	0.809	1.314	1.314	1	1.314
6th	--	0.677	1	1	0.846	1
7th	--	-	0.822	0.822	-	0.822
8th	--	-	0.64	0.64	-	0.64
Reverse gear	--	3.348	3.456	3.456	3.727	3.456
Final drive ratio	--	-	-	-	3.231	2.813
Chassis and Suspension						
Power-steering	--	EPS	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	15	15	15.1	15	15
Front tires	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/45 R18 91Y	225/45 R18 91Y
Front rims	--	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	8J x 18 LM	8J x 18 LM
Rear tires	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	255/40 R18 95Y	255/40 R18 95Y
Rear rims	--	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM	8.5J x 18 LM	8.5J x 18 LM
Track front	inch	60.3	60.3	60.3	60.5	60.5
Rear track	inch	61.9	61.9	61.8	61.1	61.1
Run flat tires	--	yes	yes	yes	yes	yes
Performance						
Top speed	mph	130	130	130	130	130
Top speed opt	mph	155	155	149	155	155
Top speed (electrical)	mph	-	-	-	-	-
0-60 mph	s	5.6	5.5	5.5	4.9	4.8
A	m²	2.2	2.2	2.2	2.2	2.2
Cx	--	0.29	0.29	0.29	0.29	0.29
Electrical System						
Battery Capacity (low voltage)	Ah	90	90	90	90	90
System voltage (low voltage)	V	12	12	12	12	12
Battery Capacity (high voltage)	Ah	-	-	-	-	-
System voltage (high voltage)	V	-	-	-	-	-
Battery type high voltage	--	-	-	-	-	-
Gross battery content high voltage	kWh	-	-	-	-	-
Net battery content high voltage	kWh	-	-	-	-	-
Battery Position high voltage	--	-	-	-	-	-
Level 2 charger	--	-	-	-	-	-
Level 2 charger	A	-	-	-	-	-
Level 2 charging time (0-80% SoC)	h	-	-	-	-	-
Level 2 charging time (0-100% SoC)	h	-	-	-	-	-

		330i	330i	330i xDrive	340i	340i
Fuel economy						
Fuel cons. city (official EPA)	mpg	21	23	23	19	21
Fuel cons. highway (official EPA)	mpg	32	34	33	29	32
Fuel cons. combined (official EPA)	mpg	25	27	26	23	25
Fuel economy combined city/highway Gasoline + electric (official EPA)	MPGe	-	-	-	-	-

		340i xDrive manual transmission	340i xDrive automatic	328d automatic	328d xDrive automatic	330e iPerformance automatic
Transmission type						
Body						
Seats	--	5	5	5	5	5
Number of Doors	--	4	4	4	4	4
drive type	--	AWD	AWD	RWD	AWD	RWD
Veh. length	inch	182.8	182.8	182.8	182.8	182.8
Veh. width	inch	71.3	71.3	71.3	71.3	71.3
Width incl mirrors	inch	80	80	80	80	80
Veh. height	inch	56.5	56.5	56.3	56.5	56.3
Wheelbase	inch	110.6	110.6	110.6	110.6	110.6
Overhang front	inch	31.1	31.1	31.1	31.1	31.1
Rear overhang	inch	41.1	41.1	41.1	41.1	41.1
Ground clearance	inch	5.7	5.7	5.5	5.7	5.5
Turning circle	ft	38.4	38.4	37.1	38.4	37.1
Legroom front	inch	42	42	42	42	42
Legroom 2nd row	inch	35.1	35.1	35.1	35.1	35.1
Shoulder room front	inch	55.1	55.1	55.1	55.1	55.1
Shoulder room rear	inch	55.1	55.1	55.1	55.1	55.1
Headroom front	inch	40.3	40.3	40.3	40.3	40.3
Maximum headroom 2nd row	inch	37.7	37.7	37.7	37.7	37.7
Front Seat Volume	ft ³	54	54	54	54	54
Rear Seat Volume	ft ³	42.2	42.2	42.2	42.2	42.2
Press Trunk volume (SAE)	ft ³	17	17	17	17	13
US Tank capacity - series	gal	15.8	15.8	15	15	10.8
rear Weight distribution (empty car)	%	47.6	47.3	50.3	49.1	51.4
US Curb weight	lbs	3790	3820	3510	3695	3900
Engine						
Engine type	--	B58B30M0	B58B30M0	N47D2001	N47D2001	B48B20M0
Cylinders	--	6	6	4	4	4
Valves p.cyl.	--	4	4	4	4	4
Stroke	mm	94.6	94.6	90	90	94.6
Bore	mm	82	82	84	84	82
Displacement	cm ³	2998	2998	1995	1995	1998
Compression rate	:1	11	11	16.5	16.5	11
Engine power@rpm	hp@rpm	320@5500	320@5500	180@4000	180@4000	180@5000-6500
Engine torque	lb-ft@rpm	330@1380-5000	330@1380-5000	280@1750-2750	280@1750-2750	215@1350-4250
Fuel type	--	gasoline	gasoline	diesel	diesel	gasoline
Useable Fuel quality	--	AKI 89 MIN	AKI 89 MIN	diesel	diesel	AKI 89 MIN
recomm.	--	AKI 91	AKI 91	diesel	diesel	AKI 91

		340i xDrive	340i xDrive	328d	328d xDrive	330e iPerformance
Engine oil (filling quantity)	liter	6.5	6.5	5.2	5.2	5.25
Motor function (1. E-engine)	--	-	-	-	-	Permanent activated synchronousmaschine
Engine (1. E-engine)	--	-	-	-	-	GC1P25A
Peak Power (1. E-engine)	hp	-	-	-	-	87
Engine power (cumul.)	hp	-	-	-	-	248
Engine torque (cumul.)	lb-ft	-	-	-	-	310
Electrification level	--	none	none	none	none	PHEV
Transmission						
Transmission designation	--	K	8HP50	8HP45	8HP45	GA8P75HZ
Transmission type	--	manual transmission	automatic transmission	automatic transmission	automatic transmission	automatic transmission
Gear ratios						
1st gear	--	4.11	5	4.714	4.714	4.714
2nd	--	2.315	3.2	3.143	3.143	3.143
3rd	--	1.542	2.143	2.106	2.106	2.106
4th	--	1.179	1.72	1.667	1.667	1.667
5th	--	1	1.314	1.285	1.285	1.285
6th	--	0.846	1	1	1	1
7th	--	-	0.822	0.839	0.839	0.839
8th	--	-	0.64	0.667	0.667	0.667
Reverse gear	--	3.727	3.456	3.295	3.295	3.317
Final drive ratio	--	3.231	2.813	2.813	2.813	2.929
Chassis and Suspension						
Power-steering	--	EPS	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	15.1	15.1	15	15.1	15
Front tires	--	225/45 R18 91V AS	225/45 R18 91V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS
Front rims	--	8J x 18 LM	8J x 18 LM	7.5J x 17 LM	7.5J x 17 LM	7.5J x 17 LM
Rear tires	--	225/45 R18 91V AS	225/45 R18 91V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS
Rear rims	--	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	inch	60.5	60.5	60.3	60.3	60.3
Rear track	inch	62.1	62.1	61.9	61.8	61.9
Run flat tires	--	yes	yes	yes	yes	yes
Performance						
Top speed	mph	130	130	130	130	130
Top speed opt	mph	149	149	143	142	140
Top speed (electrical)	mph	-	-	-	-	75
0-60 mph	s	4.7	4.6	7.4	7.3	5.9
A	m²	2.2	2.2	2.2	2.2	2.2
Cx	--	0.3	0.3	0.28	0.29	0.29
Electrical System						
Battery Capacity (low voltage)	Ah	90	90	90	90	70
System voltage (low voltage)	V	12	12	12	12	12
Battery Capacity (high voltage)	Ah	-	-	-	-	26
System voltage (high voltage)	V	-	-	-	-	293
Battery type high voltage	--	-	-	-	-	Li-Ion
Gross battery content high voltage	kWh	-	-	-	-	7.6
Net battery content high voltage	kWh	-	-	-	-	5.7
Battery Position high voltage	--	-	-	-	-	below trunk floor
Level 2 charger	--	-	-	-	-	AC 3,7 kW
Level 2 charger	A	-	-	-	-	16
Level 2 charging time (0-80% SoC)	h	-	-	-	-	1.6
Level 2 charging time (0-100% SoC)	h	-	-	-	-	2.2

Fuel economy		340i xDrive	340i xDrive	328d	328d xDrive	330e iPerformance
Fuel cons. city (official EPA)	mpg	19	21	31	30	-
Fuel cons. highway (official EPA)	mpg	29	31	43	40	-
Fuel cons. combined (official EPA)	mpg	23	25	36	34	30
Fuel economy combined city/highway Gasoline + electric (official EPA)	MPGe	-	-	-	-	71