BMW
U.S. Media Information

Technical Data
2017 BMW 3 Series Sedan

		320i	320i	320i xDrive	320i xDrive	330i	330i	330i xDrive	340i	340i	340i xDrive	340i xDrive	328d	328d xDrive	330e iPerformance
Transmission type		**manual transmission**	**automatic**	**manual transmission**	**automatic**	**manual transmission**	**automatic**	**automatic**	**manual transmission**	**automatic**	**manual transmission**	**automatic**	**automatic**	**automatic**	**automatic**
Body															
Seats	--	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Number of Doors	--	4	4	4	4	4	4	4	4	4	4	4	4	4	4
drive type	--	RWD	RWD	AWD	AWD	RWD	RWD	AWD	RWD	RWD	AWD	AWD	RWD	AWD	RWD
Veh. length	inch	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
Veh. width	inch	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
Width incl mirrors	inch	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Veh. height	inch	56.3	56.3	56.5	56.5	56.3	56.3	56.5	56.3	56.3	56.5	56.5	56.3	56.5	56.3
Wheelbase	inch	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
Overhang front	inch	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
Rear overhang	inch	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
Ground clearance	inch	5.5	5.5	5.7	5.7	5.5	5.5	5.7	5.5	5.5	5.7	5.7	5.5	5.7	5.5
Turning circle	ft	37.1	37.1	38.4	38.4	37.1	37.1	38.4	37.1	37.1	38.4	38.4	37.1	38.4	37.1
Legroom front	inch	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Legroom 2nd row	inch	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
Shoulder room front	inch	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
Shoulder room rear	inch	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
Headroom front	inch	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	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	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
Front Seat Volume	ft³	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Rear Seat Volume	ft³	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
Press Trunk volume (SAE)	ft³	17	17	17	17	17	17	17	17	17	17	17	17	17	13
US Tank capacity - series	gal	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15	15	10.8
rear Weight distribution (empty car)	%	50.5	50	49.1	48.9	50.3	49.4	48.2	48.8	48.8	47.6	49	50.3	49.1	51.4
US Curb weight	lbs	3320	3370	3500	3510	3501	3541	3706	3665	3695	3790	3820	3510	3695	3900
Engine															
Engine type	--	N20B20U0	N20B20U0	N20B20U0	N20B20U0	B46B20O0	B46B20O0	B46B20O0	B58B30M0	B58B30M0	B58B30M0	B58B30M0	N47D20O1	N47D20O1	B48B20M0
Cylinders	--	4	4	4	4	4	4	4	6	6	6	6	4	4	4
Valves p.cyl.	--	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Stroke	mm	90.1	90.1	90.1	90.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	90	90	94.6
Bore	mm	84	84	84	84	82	82	82	82	82	82	82	84	84	82
Displacement	cm³	1997	1997	1997	1997	1998	1998	1998	2998	2998	2998	2998	1995	1995	1998
Compression rate	:1	11	11	11	11	11	11	11	11	11	11	11	16.5	16.5	11
Engine power@rpm	hp@rpm	180@5000	180@5000	180@5000	180@5000	248@5000	248@5000	248@5200	320@5500	320@5500	320@5500	320@5500	180@4000	180@4000	180@4500-6500
Engine torque	lb-ft@rpm	200@1250-4500	200@1250-4500	200@1250-4500	200@1250-4500	258@1450-4800	258@1450-4800	258@1450-4800	330@1380-5000	330@1380-5000	330@1380-5000	330@1380-5000	280@1750-2750	280@1750-2750	215@1350-4250
Fuel type	--	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	gasoline	diesel	Diesel	gasoline
Useable Fuel quality	--	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	Diesel	Diesel	AKI 89 MIN
recomm.	--	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	AKI 91	Diesel	Diesel	AKI 91
Engine oil (filling quantity)	liter	5	5	5	5	5.25	5.25	5.25	6.5	6.5	6.5	6.5	5.2	5.2	5.25
Motor function (1. E-engine)	--	-	-	-	-	-	-	-	-	-	-	-	-	-	Permanent activated synchronous maschine
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	none	none	none	none	none	none	none	none	none	PHEV
Transmission															
Transmission designation	--	I-270-Turbo	8HP45	K	8HP45	I-350 BK	8HP50	8HP50	K	8HP50	K	8HP50	8HP45	8HP45	GA8P75HZ
Transmission type	--	manual transmission	automatic transmission	manual transmission	automatic transmission	manual transmission	automatic transmission	automatic transmission	manual transmission	automatic transmission	manual transmission	automatic transmission	automatic transmission	automatic transmission	automatic transmission
Gear ratios															
1st gear	--	4.552	4.714	4.11	4.714	3.683	5	5	4.11	5	4.11	5	4.714	4.714	4.714
2nd	--	2.548	3.143	2.315	3.143	2.062	3.2	3.2	2.315	3.2	2.315	3.2	3.143	3.143	3.143
3rd	--	1.659	2.106	1.542	2.106	1.313	2.143	2.143	1.542	2.143	1.542	2.143	2.106	2.106	2.106
4th	--	1.23	1.667	1.179	1.667	1	1.72	1.72	1.179	1.72	1.179	1.72	1.667	1.667	1.667
5th	--	1	1.285	1	1.285	0.809	1.314	1.314	1	1.314	1	1.314	1.285	1.285	1.285
6th	--	0.83	1	0.846	1	0.677	1	1	0.846	1	0.846	1	1	1	1
7th	--	-	0.839	-	0.839	-	0.822	0.822	-	0.822	-	0.822	0.839	0.839	0.839
8th	--	-	0.667	-	0.667	-	0.64	0.64	-	0.64	-	0.64	0.667	0.667	0.667
Reverse gear	--	4.138	3.295	3.727	3.295	3.348	3.456	3.456	3.727	3.456	3.727	3.456	3.295	3.295	3.317
Final drive ratio	--	3.077	3.385	3.154	-	-	-	-	3.231	2.813	3.231	2.813	2.813	2.813	2.929
Chassis and Suspension															
Power-steering	--	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	15	15	15.1	15.1	15	15	15.1	15	15	15.1	15	15	15.1	15
Front tires	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/45 R18 91Y	225/45 R18 91Y	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	--	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	7,5J x 17 LM	7,5J x 17 LM	8J x 18 LM	8J x 18 LM	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	--	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	225/50 R17 94V AS	255/40 R18 95Y	255/40 R18 95Y	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	--	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	7,5J x 17 LM	7,5J x 17 LM	8,5J x 18 LM	8,5J x 18 LM	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	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.3	60.3	60.3
Rear track	inch	61.9	61.9	61.8	61.8	61.9	61.9	61.8	61.1	61.1	62.1	62.1	61.9	61.8	61.9
Run flat tires	--	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Performance															
Top speed	mph	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Top speed opt	mph	146	146	144	143	155	155	149	155	155	149	149	143	142	140
Top speed (electrical)	km/h	-	-	-	-	-	-	-	-	-	-	-	-	-	120
0-60 mph	s	7.1	7.1	7	-	5.6	5.5	5.5	4.9	4.8	4.7	4.6	7.4	7.3	5.9
A	m²	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Cx	--	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.3	0.3	0.28	0.29	0.29
Emission classification (type-certified)	--	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	ULEV II	BIN5	BIN5	ULEV II
Electrical System															
Battery Capacity (low voltage)	Ah	90	90	90	90	90	90	90	90	90	90	90	90	90	70
System voltage (low voltage)	V	12	12	12	12	12	12	12	12	12	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															
Fuel cons. city (official EPA)	mpg	23	23	tbc	23	21	23	23	19	21	19	21	tbc	tbc	tbc
Fuel cons. highway (official EPA)	mpg	35	35	tbc	34	32	34	33	29	32	29	31	tbc	tbc	tbc
Fuel cons. combined (official EPA)	mpg	27	28	tbc	27	25	27	26	23	25	23	25	tbc	tbc	tbc