

BMW

U.S. Media Information

Technical Data

2018 BMW 6 Series Convertible

		640i	640i xDrive	650i	650i xDrive
Transmission type		automatic	automatic	automatic	automatic
Body					
Seats	--	4	4	4	4
Number of Doors	--	2	2	2	2
drive type	--	RWD	AWD	RWD	AWD
Veh. length	inch	192.8	192.8	192.8	192.8
Veh. width	inch	74.6	74.6	74.6	74.6
Width incl mirrors	inch	82.3	82.3	82.3	82.3
Veh. height	inch	53.7	53.7	53.7	53.7
Wheelbase	inch	112.4	112.4	112.4	112.4
Overhang front	inch	37.1	37.1	37.1	37.1
Rear overhang	inch	43.2	43.2	43.2	43.2
Ground clearance	inch	4.8	4.8	4.8	4.8
Turning circle	ft	38.4	38.4	38.4	38.4
Legroom front	inch	42.1	42.1	42.1	42.1
Legroom 2nd row	inch	30.5	30.5	30.5	30.5
Shoulder room front	inch	56.9	56.9	56.9	56.9
Shoulder room rear	inch	49.6	49.6	49.6	49.6
Headroom front	inch	40.3	40.3	40.3	40.3
Maximum headroom 2nd row	inch	36.5	36.5	36.5	36.5
Front Seat Volume	ft³	55.8	55.8	55.8	55.8
Rear Seat Volume	ft³	31.9	31.9	31.9	31.9
Press Trunk volume (SAE)	ft³	10.6-12.4	10.6-12.4	10.6-12.4	10.6-12.4
US Tank capacity - series	gal	18.5	18.5	18.5	18.5
rear Weight distribution (empty car)	%	51	49.5	49.5	47.7
US Curb weight	lbs	4251	4416	4491	4641
Engine					
Engine type	--	N55B3000	N55B3000	N63B44O1	N63B44O1
Cylinders	--	6	6	8	8
Valves p.cyl.	--	4	4	4	4
Stroke	mm	89.6	89.6	88.3	88.3
Bore	mm	84	84	89	89
Displacement	cm³	2979	2979	4395	4395
Compression rate	:1	10.2	10.2	10	10
Engine power	hp@rpm	315@5800-6000	315@5800-6000	445@5500-6000	445@5500-6000

		640i	640i xDrive	650i	650i xDrive
Engine torque	lb-ft@rpm	330@1300-4500	330@1300-4500	480@2000-4500	480@2000-4500
Fuel type	--	gasoline	gasoline	gasoline	gasoline
Useable Fuel quality	--	ROZ91-98	ROZ91-98	ROZ91-98	ROZ91-98
recomm.	--	ROZ95	ROZ95	ROZ95	ROZ95
Engine oil (filling quantity)	liter	6.5	6.5	9.5	9.5
Transmission					
Transmission designation	--	8HP45	8HP45	8HP70	8HP70
Transmission type	--	automatic transmission	automatic transmission	automatic transmission	automatic transmission
Gear ratios					
1st gear	--	4.714	4.714	4.714	4.714
2nd	--	3.143	3.143	3.143	3.143
3rd	--	2.106	2.106	2.106	2.106
4th	--	1.667	1.667	1.667	1.667
5th	--	1.285	1.285	1.285	1.285
6th	--	1	1	1	1
7th	--	0.839	0.839	0.839	0.839
8th	--	0.667	0.667	0.667	0.667
Reverse gear	--	3.295	3.295	3.317	3.317
Final drive ratio	--	3.231	3.231	2.813	2.813
Chassis and Suspension					
Power-steering	--	EPS	hydraulic	EPS	hydraulic
Steering transmission, overall	:1	17.2	18.7	17.2	18.7
Front tires	--	245/45 R18 100V XL AS	245/45 R18 100V XL AS	245/40 R19 98V XL AS	245/40 R19 98V XL AS
Front rims	--	8J x 18 LM	8J x 18 LM	8.5J x 19 LM	8.5J x 19 LM
Rear tires	--	245/45 R18 100V XL AS	245/45 R18 100V XL AS	245/40 R19 98V XL AS	245/40 R19 98V XL AS
Rear rims	--	8J x 18 LM	8J x 18 LM	8.5J x 19 LM	8.5J x 19 LM
Track front	inch	63	63	62.8	62.8
Rear track	inch	65.6	65.6	65.3	65.3
Performance					
Top speed	mph	130	130	130	130
Top speed opt	mph	150	150	150	150
0-60 mph	s	5.4	5.3	4.5	4.4
A	m ²	2.23	2.23	2.23	2.23
Cx	--	0.31	0.32	0.32	0.33
Air resistance	m ²	0.69	0.71	0.71	0.74
Battery Capacity (low voltage)	Ah	105	105	105	105
System voltage (low voltage)	V	12	12	12	12
Fuel economy					
Fuel cons. city (official EPA)	mpg	20	19	17	16
Fuel cons. highway (official EPA)	mpg	29	28	25	25
Fuel cons. combined (official EPA)	mpg	23	22	20	19