

# BMW

## U.S. Media Information

### Technical Data

#### 2018 BMW X5 Sports Activity Vehicle

		X5 sDrive35i	X5 xDrive35i	X5 xDrive50i	X5 xDrive35d	X5 xDrive40e
<b>Transmission type</b>		automatic	automatic	automatic	automatic	automatic
<b>Body</b>						
Seats	--	5	5	5	5	5
Number of Doors	--	5	5	5	5	5
drive type	--	RWD	AWD	AWD	AWD	AWD
Veh. length	inch	193.2	193.2	193.2	193.2	193.2
Veh. width	inch	76.3	76.3	76.3	76.3	76.3
Width incl mirrors	inch	86	86	86	86	86
Veh. height	inch	69.4	69.4	69.4	69.4	69.4
Wheelbase	inch	115.5	115.5	115.5	115.5	115.5
Overhang front	inch	35.9	35.9	35.9	35.9	35.9
Rear overhang	inch	41.9	41.9	41.9	41.9	41.9
Ground clearance	inch	8.2	8.2	8.2	8.2	8.2
Turning circle	ft	41.7	41.7	41.7	41.7	41.7
Legroom front	inch	40.4	40.4	40.4	40.4	40.4
Legroom 2nd row	inch	36.6	36.6	36.6	36.6	36.6
Shoulder room front	inch	60.5	60.5	60.5	60.5	60.5
Shoulder room rear	inch	58.3	58.3	58.3	58.3	58.3
Headroom front	inch	40.5	40.5	40.5	40.5	40.5
Maximum headroom 2nd row	inch	38.8	38.8	38.8	38.8	38.8
Headroom front with moonroof	inch	39.8	39.8	39.8	39.8	39.8
Maximum headroom 2nd row with moonroof	inch	38.3	38.3	38.3	38.3	38.3
Front Seat Volume	ft³	57.3	57.3	57.3	57.3	57.3
Rear Seat Volume	ft³	47.9	47.9	47.9	47.9	47.9
Approach angle front	°	22.2	22.2	22.2	22.2	22.2
Departure angle rear	°	20.4	20.4	20.4	20.4	20.4
Ramp angle	°	17.3	17.3	17.3	17.3	17.3
Axle clearance front	inch	7.2	7.2	7.2	7.2	7.2
Axle clearance rear	inch	7.6	7.6	7.6	7.6	7.6
fording depth (without auxiliary heating)	inch	19.7	19.7	19.7	19.7	19.7
climbing ability	%	50	50	50	50	50
climbing ability starting	%	32	32	32	32	32
Press Trunk volume (SAE)	ft³	35.8-76.7	35.8-76.7	35.8-76.7	35.8-76.7	34.2-72.5
US Tank capacity - series	gal	22.4	22.4	22.4	22.4	22.4
Weight distribution front / rear (empty car)	%	47.9 / 52.1	49.1 / 50.9	50 / 50	50.4 / 49.6	45.8 / 54.2
US Curb weight	lbs	4625	4735	5095	4875	5220
<b>Engine</b>						
Engine type	--	N55B30M0	N55B30M0	N63B44O1	N57D30O1	N20B20O0
Cylinders	--	6	6	8	6	4
Valves p.cyl.	--	4	4	4	4	4
Stroke	mm	89.6	89.6	88.3	90	90.1
Bore	mm	84	84	89	84	84
Displacement	cm³	2979	2979	4395	2993	1997
Compression rate	:1	10.2	10.2	10	16.5	10
Engine power	hp@rpm	300@5800-6400	300@5800-6400	445@5500-6000	255@4000	240@5000-6500

		<b>X5 sDrive35i</b>	<b>X5 xDrive35i</b>	<b>X5 xDrive50i</b>	<b>X5 xDrive35d</b>	<b>X5 xDrive40e</b>
Engine torque	lb-ft@rpm	300@1200-5000	300@1200-5000	480@2000-4500	413@1500-3000	260@1250-4800
Fuel type	--	gasoline	gasoline	gasoline	diesel	gasoline
Useable Fuel quality recomm.	--	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	Diesel	AKI 89 MIN
Engine oil (filling quantity)	liter	AKI 91	AKI 91	AKI 91	Diesel	AKI 91
Motor function (1. E-engine)	--	6.5	6.5	9.5	6.5	5
Engine (1. E-engine)	--	-	-	-	-	drive
Peak Power (1. E-engine)	hp	-	-	-	-	GC1P25M0
Total System Power	hp	-	-	-	-	111
Total System Torque	lb-ft	-	-	-	-	308
Electrification level	--	-	-	-	-	332
		none	none	none	none	PHEV
<b>Transmission</b>						
Transmission designation	--	8HP45	8HP45	8HP75	8HP75	GA8P75HZ
Transmission type	--	automatic transmission	automatic transmission	automatic transmission	automatic transmission	automatic transmission
<b>Gear ratios</b>						
1st gear	--	4.714	4.714	5	5	4.174
2nd	--	3.143	3.143	3.2	3.2	3.143
3rd	--	2.106	2.106	2.143	2.143	2.106
4th	--	1.667	1.667	1.72	1.72	1.667
5th	--	1.285	1.285	1.313	1.313	1.285
6th	--	1	1	1	1	1
7th	--	0.839	0.839	0.823	0.823	0.839
8th	--	0.667	0.667	0.64	0.64	0.667
Reverse gear	--	3.295	3.295	3.478	3.478	3.317
Final drive ratio	--	3.154	3.154	3.154	3.154	3.154
<b>Chassis and Suspension</b>						
Power-steering	--	EPS	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	19.1	19.1	19.1	19.1	19.1
Recuperation power	kW	-	-	-	-	20
Front tires	--	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS
Front rims	--	9J x 19 LM	9J x 19 LM	9J x 19 LM	9J x 19 LM	9J x 19 LM
Rear tires	--	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS	255/50 R19 107H XL AS
Rear rims	--	9J x 19 LM	9J x 19 LM	9J x 19 LM	9J x 19 LM	9J x 19 LM
Track front	inch	64.6	64.6	64.6	64.6	64.6
Rear track	inch	64.8	64.8	64.8	64.8	64.7
Run flat tires	--	yes	yes	yes	yes	yes
<b>Performance</b>						
Top speed	mph	130	130	130	130	130
Top speed opt	mph	146	146	155	143	-
Top speed (electrical)	mph	-	-	-	-	75
Range (electric EPA)	miles	-	-	-	-	14
0-60 mph	s	6.1	6.1	4.7	6.5	6.5
A	m²	2.84	2.84	2.84	2.84	2.84
Cx	--	0.34	0.34	0.34	0.32	0.33
SCR (Yes/No)	--	No	No	No	Yes	No
SCR-Typ Activtank	--	-	-	-	G_Tank by container / refillable with car nozzle	-
AdBlue-Volume (Activtank)	liter	-	-	-	13.4	-
SCR-Typ Passivtank	--	-	-	-	G_Tank by container / refillable with car nozzle	-
AdBlue-Volume (Passivtank)	liter	-	-	-	15.6	-
<b>Fuel economy</b>						
Fuel cons. city (official EPA)	mpg	18	18	15	23	-
Fuel cons. highway (official EPA)	mpg	25	24	21	29	-

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Fuel cons. combined (official EPA)	mpg	21	20	17	25	24
Fuel cons. Gasoline + electric (official EPA)	MPGe	-	-	-	-	56
Range (electric EPA)	miles	-	-	-	-	14
<b>Electrical System</b>						
Battery Capacity (low voltage)	Ah	90	90	90	90	90
System voltage (low voltage)	V	12	12	12	12	12
2nd battery Capacity (low voltage)	Ah	50	50	50	50	-
Battery Capacity (high voltage)	Ah	-	-	-	-	26
Nominal battery voltage (high voltage)	V	-	-	-	-	355
Battery type high voltage	--	-	-	-	-	Li-Ion
Gross battery capacity (high voltage)	kWh	-	-	-	-	9.2
Net battery content high voltage	kWh	-	-	-	-	6.8
Battery Position high voltage	--	-	-	-	-	below trunk floor
Level 1 Charging (OUC)	--	-	-	-	-	AC Typ 1; 1,4kW
Level 2 Charging	--	-	-	-	-	AC Typ 2; 3,5kW
charging time for Level 1 (0-100% SoC)	h	-	-	-	-	approx. 7 hrs
charging time for Level 2 (0-100% SoC)	h	-	-	-	-	approx. < 3 hrs