

BMW

U.S. Media Information

Technical Data

2016 BMW X5

	X5 sDrive35i SAV N55B30M0 Aut. 8 speed	X5 xDrive35i SAV N55B30M0 Aut. 8 speed	X5 xDrive50i SAV N63B44O1 Aut. 8 speed	X5 xDrive35d SAV N57D30O1 Aut. 8 speed	X5 xDrive40e SAV N20B20O0 Aut. 8 speed
Engine type					
Transmission type					
Body					
Seats	5	5	5	5	5
Number of Doors	5	5	5	5	5
Veh. Length	193.2	193.2	193.2	193.2	193.2
Veh. Width	76.3	76.3	76.3	76.3	76.3
Width incl mirrors	86	86	86	86	86
Veh. Height	69.4	69.4	69.4	69.4	69.4
Wheelbase	115.5	115.5	115.5	115.5	115.5
Overhang front	35.9	35.9	35.9	35.9	35.9
Rear overhang	41.9	41.9	41.9	41.9	41.9
Ground clearance	8.2	8.2	8.2	8.2	8.2
Turning circle	41.7	41.7	41.7	41.7	41.7
Legroom front	40.4	40.4	40.4	40.4	40.4
Legroom 2nd row	36.6	36.6	36.6	36.6	36.6
Shoulder room front	60.5	60.5	60.5	60.5	60.5
Shoulder room rear	58.3	58.3	58.3	58.3	58.3
Headroom front	40.5	40.5	40.5	40.5	40.5
Maximum headroom 2nd row	38.8	38.8	38.8	38.8	38.8
Headroom front with Panoramic moonroof	39.8	39.8	39.8	39.8	39.8
Maximum headroom 2nd row with Panoramic moonroof	38.3	38.3	38.3	38.3	38.3
Front Seat Volume	57.3	57.3	57.3	57.3	57.3
Rear Seat Volume	47.9	47.9	47.9	47.9	47.9
Press Trunk volume (SAE)	35,8-76,7	35,8-76,7	35,8-76,7	35,8-76,7	34,2-72,5
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
Breakover angle	17.3	17.3	17.3	17.3	17.3
Axle clearance front	183	183	183	183	183
Axle clearance rear	195	195	195	195	195
lateral inclination	33	33	33	33	-
fording depth	500	500	500	500	500

	X5 sDrive35i	X5 xDrive35i	X5 xDrive50i	X5 xDrive35d	X5 xDrive40e
climbing ability	50	50	50	50	50
climbing ability starting	32	32	32	32	32
US Tank capacity	22.4	22.4	22.4	22.4	22.4
rear Weight distribution (empty car)	51.7	50.5	50.5	49.5	54.2
US Curb weight	4680	4790	5150	4930	5220
US Gross veh. weight	6070	6250	6550	6400	6570
US Payload	1110	1110	1110	1110	1170
US Axle load limit of the front	2670	2820	2990	2940	2750
US Axle load limit of the rear	3540	3580	3700	3600	3870

Engine

Motor function	--	-	-	-	Serial RE	
Engine type	--	N55B30M0	N55B30M0	N63B44O1	N57D30O1	N20B20O0
Cylinders	--	6	6	8	6	4
Valves per cylinder	--	4	4	4	4	4
Stroke	mm	89.7	89.7	88.3	90	90.1
Bore	mm	84.3	84.3	89	84	84
Displacement	cm ³	3004	3004	4395	2993	1997
Compression rate	:1	10.2	10.2	10	16.5	10
Engine power	bHP	300	300	445	255	240
at rpm	1/min	5800	5800	5500-6000	4000	5000-6500
Engine torque	lb-ft	300	300	480	413	260
at rpm	1/min	1300-5000	1300-5000	2000-4500	1500-3000	1250-4800
Fuel type	--	gasoline	gasoline	gasoline	diesel	gasoline
Useable Fuel quality	Octane	AKI 89 MIN	AKI 89 MIN	AKI 89 MIN	Diesel	AKI 89 MIN
recommended	Octane	AKI 91	AKI 91	AKI 91	Diesel	AKI 91
Engine oil	liter	6.9	6.9	10.6	6.9	5.3
peak power bHP (Electric-Machine)	bHP	-	-	-	-	111
Total System Power	bHP	-	-	-	-	308
Total System Torque	lb-ft	-	-	-	-	332
Electrification level	--	-	-	-	-	PHEV

Transmission

Transmission type	--	8HP45	8HP45	8HP75	8HP75	8P75XPH
Transmission type	--	automatic transmission	automatic transmission	automatic transmission	automatic transmission	automatic transmission
Gear ratios 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

		X5 sDrive35i	X5 xDrive35i	X5 xDrive50i	X5 xDrive35d	X5 xDrive40e
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

Chassis and Suspension

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	64.8

Performance

Top speed	mph	130	130	130	130	130
top speed opt (mph)	mph	146	146	155	143	-
top speed (electric)	mph	-	-	-	-	75
Cx	--	0.34	0.34	0.34	0.32	0.33
Air resistance	m ²	0.97	0.97	0.97	0.91	0.94
0-60 mph	s	6.1	6.1	4.7	6.5	6.5
Fuel cons. city (official EPA)	mpg	18	18	15	-	-
Fuel cons. highway (official EPA)	mpg	25	24	21	-	-
Fuel cons. combined (official EPA)	mpg	21	20	17	-	24
Fuel cons. Gasoline + electric (official EPA)	MPGe	-	-	-	-	56
Range (electric EPA)	miles	-	-	-	-	14

Emissions

Emission classification (type-certified)	--	LEV3 ULEV125	LEV3 ULEV125	LEV3 ULEV125	ULEV II	ULEV II
SCR (Yes/No)	--	-	-	-	Yes	-
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	-

Voltage Supply

Battery Capacity (low voltage)	Ah	90	90	90	90	90
System voltage (low voltage)	V	12	12	12	12	12

		X5 sDrive35i	X5 xDrive35i	X5 xDrive50i	X5 xDrive35d	X5 xDrive40e
2nd battery Capacity (low voltage)	Ah	50	50	50	50	-
Nominal battery voltage (high voltage)	V	-	-	-	-	351
Battery type high voltage	--	-	-	-	-	Li-Ion
Gross battery capacity (high voltage)	kWh	-	-	-	-	9.2
Level 1 Charging (OUC)	--	-	-	-	-	AC Typ 1; 1.4 kW
Level 2 Charging	--	-	-	-	-	AC Typ 2; 3.5 kW
charging time for Level 1 (0-100% SoC)	h	-	-	-	-	approx. 7 hrs
charging time for Level 2 (0-100% SoC)	h	-	-	-	-	approx. < 3