



BMW X5.

2021MY PRODUCT GUIDE.

BMW X5 Sports Activity Vehicle	TA63 BMW X5 xDrive45e	CR63 BMW X5 xDrive40i	CR63 BMW X5 xDrive40i	JU43 BMW X5 M50i
Basic data summary				
Transmission type	Automatic	Automatic	Automatic	Automatic
Engine description	XB1151M1	B58B30M1	B58B30M1	N63B44T3
Seats	5	5	7	5
Number of doors	5-door car	5	5	5
Engine type	Four-wheel drive	xDrive (AWD)	xDrive (AWD)	xDrive (AWD)
Dimensions				
Exterior				
Wheelbase (L101), mm	2975	2975	2975	2975
Vehicle height, mm	1744	1744/1753	1744/1753	1744/1753
Vehicle width at side mirrors (W144), mm	2218	2218	2218	2218
Vehicle length, mm	4936	4936	4936	4936
Vehicle width (W103 OTD), mm	2004	2004	2004	2004
Width at passenger's mirror (W114-P), mm	1096	1096	1096	1096
Width at driver's mirror (W114-D), mm	1122	1122	1122	1122
Overhang rear (L105OTD), mm	1073	1073	1073	1073
Overhang front (L104 OTD), mm	888	888	888	888
Facing surface (AStrn), m²	2.9	2.9	2.9	2.9
Minimum turning circle (D102), m	12.6	12.6	12.6	12.6
country depending ground clearance Front axle ML1, mm	N/A	200	200	200
country depending ground clearance rear axle ML1, mm	N/A	186	186	186
Interior				
Head room1.SR with sunroof (H62-1 SR), mm	1033	1033	1033	1033
Head room 1.SR(H62-1), mm	1037	1037	1037	1037
Head room 2.SR(H61-2), mm	984	984	984	984
Head room 3.SR (H61-3), mm	N/A	886	886	N/A
Shoulder room 2.SR(W3-2), mm	1476	1476	1476	1476
Shoulder room 1.SR(W3-1), mm	1525	1525	1525	1525
Knee clearance 2.SR (L48-2 Prak), mm	108	108	96	108
Leg room 1.SR(L34), mm	1011	1011	1011	1011
Leg room 3.SR (L51-3), mm	N/A	741	741	N/A
Leg room 2.SR(L51-2), mm	950	950	950	950
Elbow width 1.SR (W3-1), mm	1560	1560	1560	1560
Elbow width 3.SR (W3-3), mm	N/A	1195	1195	N/A
Elbow width 2.SR (W3-2), mm	1525	1525	1525	1525
Head room 2.SR with sunroof(H61-2 SR), mm	1001	1001	1001	1001
Seats 3.SR (N-3)	N/A	2	2	N/A
Seats 2.SR (N-2)	3	3	3	3
Seats overall (N-ges)	5	5	7	5
Offroad data				
Ground clear. rear axle; curb weight (H148-2 OTD), mm	186	186	186	186
Ground clear. front axle; curb weight (H148-1 OTD), mm	200	200	200	200
Ground clearance; curb weight (H156 OTD), mm	212	212/221	212/221	212/221
Ramp angle angle; curb weight (A147 OTD), °	19.1	19.1	19.1	19.1
Approach angle; curb weight (A106-1 OTD), °	23.9	23.9	23.9	23.9
Departure angle; curb weight (A106-2 OTD), °	21.6	21.6	21.6	21.6
Luggage volumes				
Press Trunk volume, ft³	33,1 - 71,2	33,9 - 72,3	33,9 - 72,3	33,9 - 72,3
EPA luggage volume (SAE), ft³	33.1	33.9	33.9	33.9
Offroad data FI				
fording depth (without auxiliary heating), mm	500	500	500	500
climbing ability starting, %	32	32	32	32
Weight				
Vehicle weights				
Curb weight (without driver), kg	2561/2573	2206	2287	2386
vehicle curb weight without driver (front axle), kg	1209/1228	1108	1118	1212
vehicle curb weight without driver (rear axle), kg	1345/1352	1098	1169	1174
Axle load limit front, kg	3160	1325	1335	1470
rear axle load limit, kg	1425	1668	1750	1660
rear Weight distribution (empty car), %	1800	49.8	51.3	49.2
Gross veh. weight, kg	3160	2795	3035	2975
Payload, kg	425/430	442	644	447
rear Weight distribution (empty car), %	52.3	49.8	51.1	49.2
Trailer operation				
Trailer load braked 12%, kg	2700	2700/3270 (3AC)	2700/3270 (3AC)	2700/3270 (3AC)
gross vehicle weight with trailer 12% Kat1, kg	5860	5527/6337	5527/6337	5675/6245
Trailer nose weight, kg	250	250	250	250
US weights				
gross vehicle weight, lbs	6967	6232	6762	6559
Payload lbs, lbs	937/948	974	1420	985
Front axle load lbs, lbs	3142	2921	1943	3241
Axle load limit rear, lbs	3068	3677	3920	3660
vehicle weight without driver empty fuel tank, lbs	5531/5558	4727	4905	5124
vehicle weight without driver empty fuel tank -RA, lbs	2875/2890	2310	2467	2478
vehicle weight without driver empty fuel tank -FA, lbs	2641/2683	2417	2438	2646
vehicle curb weight inkl. 100% SAa und 33% SAs, lbs	5646/5672	4863	5042	5260
Performance /fuel eco.				
Performance				
Final drive ratio	3.636	3.385	3.385	3.154
Top speed, km/h	210(235)	210/243 (Optional)	210/243 (Optional)	210/250
Top speed Electrical, km/h	135	N/A	N/A	N/A
0-100Km/h, s	6.6	5.6	5.8	4.3
Fuel cons. City, L/100km	N/A	11.7	11.7	14.5
Fuel cons. Highway, L/100km	N/A	9.1	9.1	10.7
Fuel cons. Combined, L/100km	N/A	10.5	10.5	12.8
Motor data				
Electrification level	PHEV	MHEV	MHEV	N/A
Communication				
Power to weight ratio, kg/kW	12.2/12.3	8.8	9.1	6.1
System: Weight ratio, kg/kW	8.8/8.9	N/A	N/A	N/A
Engine torque (cumul.), ftlbs	443	N/A	N/A	N/A
Engine power (cumul.) (kW), kW	290	250	250	N/A
Engine power (cumul.) (bHP), bHP	389	335	335	N/A
Engine torque (cumul.), Nm	600	N/A	N/A	N/A
Engine power (cumul.) (HP), PS	394	340	340	N/A
Output of system per litre, kW/dm³	96.7	N/A	N/A	N/A
Output per litre, kW/dm³	70.1	83.4	83.4	88.7
Motor				
Bore, mm	82	82	82	89
Stroke, mm	94.6	94.6		88.3
Engine oil (exchange quantity), l	6.5	6.5	6.5	10.5
Rated engine power (kW), kW	210	250	250	390
Engine power (bHP), bHP	282	335	335	523
Valves p.cyl.	4	4	4	4
recomm.	AKI 91	AKI 91	AKI 91	RON 95 (AKI 91)
Useable Fuel quality	AKI 89 MIN, E25 MAX	AKI 89 MIN, E25 MAX	AKI 89 MIN, E25 MAX	ROZ 91 MIN, E25 MAX (AKI 89 MIN, E25 MAX)
Fuel type	gasoline	gasoline	gasoline	gasoline
Cylinders	6	6	6	8
Engine type	B58B30M1	B58B30M1	B58B30M1	N63B44T3
Engine torque, Nm	450	450	450	750
Compression rate, :1	11	11	11	10.5
Displacement, cm³	2998	2998	2998	4395
rpm at maximum power, 1/min	5000-6000	5500-6500	5500-6500	5500-6000

maximum Engine speed at maximum torque, 1/min	3500	5200	5200	4600
rpm at maximum torque, 1/min	1500-3500	1500-5200	1500-5200	1800-4600
minimum Engine speed at maximum power, 1/min	5000	5500	5500	5500
minimum Engine speed at maximum torque, 1/min	1500	1500	1500	1800
maximum Engine speed at maximum power, 1/min	6000	6500	6500	6000
Engine power (HP), PS	286	340	340	530
Electric motor 1				
highest output 30 min (1. E-engine), kW	55	N/A	N/A	N/A
maximum hourly output (1. E-engine), kW	55	N/A	N/A	N/A
Peak power (1. E-engine), kW	83	8	8	N/A
engine power bHP (1. E-engine), bHP	74	N/A	N/A	N/A
peak power bHP (1. E-engine), bHP	111	N/A	N/A	N/A
Engine (1. E-engine)	GC1P25M0	N/A	N/A	N/A
Motor function (1. E-engine)	electrical tractionmaschine	N/A	N/A	N/A
Engine Config (1. E-engine)	permanent erregte Synchronmaschine	N/A	N/A	N/A
Max torque (1.E-engine), Nm	265	N/A	N/A	N/A
torque (1. E-engine), Nm	105	N/A	N/A	N/A
30min-torque (1 E-engine), Nm	105	N/A	N/A	N/A
minimum engine speed at Peak torque (1.E-Motor), 1/min	100	N/A	N/A	N/A
rpm at 60min peak power (1.E-engine), 1/min	5000	N/A	N/A	N/A
maximum engine speed at Peak torque (1.E-Motor), 1/min	2500	N/A	N/A	N/A
range at Peak torque (1.E-engine), 1/min	100-2500	N/A	N/A	N/A
at rpm (1. E-engine), 1/min	3170	N/A	N/A	N/A
rpm at 30min peak power (1. E-engine), 1/min	5000	N/A	N/A	N/A
Peak power (1. E-engine) (PS), PS	113	11	11	N/A
high-voltage battery				
System voltage (high voltage), V	354.2	N/A	N/A	N/A
Net battery content high voltage, kWh	17.06	N/A	N/A	N/A
Gross battery content high voltage, kWh	24	N/A	N/A	N/A
Battery Position high voltage	underfloor Vechicle rear part	N/A	N/A	N/A
charging variation 1	3,7 kW, Mode 3 Wallbox, AC Typ 1	N/A	N/A	N/A
charging variation 3	-	N/A	N/A	N/A
charging variation 2	AC Typ 1; 1,1 kW Mode2 Ladekabel 1ph	N/A	N/A	N/A
Battery type high voltage	li-Ion	N/A	N/A	N/A
charging time 3 (0-100% SoC), h	0	N/A	N/A	N/A
charging time 2 (0-80% SoC), h	13.2	N/A	N/A	N/A
charging time 1 (0-80% SoC), h	4	N/A	N/A	N/A
charging time 3 (0-80% SoC), h	0	N/A	N/A	N/A
charging time 2 (0-100% SoC), h	17.7	N/A	N/A	N/A
charging time 1 (0-100% SoC), h	5.3	N/A	N/A	N/A
Battery Capacity (High voltage), Ah	68	N/A	N/A	N/A
Battery				
System voltage (low voltage), V	12	12	12	12
Battery Capacity (low voltage), Ah	90	105	105	105
2nd Battery Capacity (low voltage) , Ah	50	N/A	N/A	N/A
gearbox				
Combustion engine				
Transmission type V	GA8P75H2	GA8X51CZ	GA8X51CZ	GA8X76DZ
Transmission type	Automatic	Automatic	Automatic	Automatic
Nr. of gears	8	8	8	8
Gear ratios 1st gear**	4.714	5.25	5.25	5.5
2nd**	3.143	3.36	3.36	3.52
3rd**	2.106	2.172	2.172	2.2
4th**	1.667	1.72	1.72	1.72
5th**	1.285	1.316	1.316	1.317
6th**	1	1	1	1
7th**	0.839	0.822	0.822	0.823
8th**	0.667	0.64	0.64	0.64
Reverse gear**	3.317	3.712	3.712	3.993
Aerodynamics				
Cx				
Cx Min	0.35	0.35	0.35	0.36
Cx Max	0.39	0.38	0.38	0.38
Cx Range, m²	0.35-0.39	0.35-0.38	0.35-0.38	0.36-0.38
Cx x A				
Cx x A Min, m²	1.02	1.02	1.04	1.04
Cx x A Max, m²	1.13	1.1	1.1	1.1
Stirnflaeche				
Facing surface , m²	2.9	2.9	2.9	2.9
Emission				
Emission classification (type-certified)***	SULEV30	ULEV125	ULEV125	ULEV125
chassis				
Wheel/Tyres				
Front tyres	N/A	N/A	N/A	275/45 R20 110 H XL AS
Front tyres var.1	275/45 R20 110 H XL AS	275/45 R20 110 H XL AS	275/45 R20 110 H XL AS	275/40 R21 107 Y XL
Front tyres var.2	275/40 R21 107 Y XL	275/40 R21 107 Y XL	275/40 R21 107 Y XL	275/35 R22 104 Y XL
Front tyres var.3	275/40 R21 107 Y XL	275/35 R22 104 Y XL, 275/40 R21 107 Y XL	275/35 R22 104 Y XL, 275/40 R21 107 Y XL	N/A
Front tyres var.4	N/A	275/35 R22 104 Y XL	275/35 R22 104 Y XL	N/A
Front rims	N/A	N/A	N/A	9ix20 LM
Front rims var.1	9ix20 LM	9ix20 LM	9ix20 LM	9,5ix21 LM
Front rims var.2	9,5ix21 LM	9,5ix21 LM	9,5ix21 LM	9,5ix22 LM
Front rims var.3	9,5ix21 LM	9,5ix21 LM, 9,5ix22 LM	9,5ix21 LM, 9,5ix22 LM	N/A
Front rims var.4	N/A	9,5ix22 LM	9,5ix22 LM	N/A
Rear tyres	N/A	N/A	N/A	275/45 R20 110 H XL AS
Rear tyres var.1	275/45 R20 110 H XL AS	275/45 R20 110 H XL AS	275/45 R20 110 H XL AS	315/35 R21 111 Y XL
Rear tyres var.2	315/35 R21 111 Y XL	315/35 R21 111 Y XL	315/35 R21 111 Y XL	315/30 R22 107 Y XL
Rear tyres var.3	315/35 R21 111 Y XL	315/35 R21 111 Y XL, 315/30 R22 107 Y XL	315/35 R21 111 Y XL, 315/30 R22 107 Y XL	N/A
Rear tyres var.4	N/A	315/30 R22 107 Y XL	315/30 R22 107 Y XL	N/A
Rear rims	N/A	N/A	N/A	9ix20 LM
Rear rims var.1	9ix20 LM	9ix20 LM	9ix20 LM	10,5ix21 LM
Rear rims var.2	10,5ix21 LM, 8,5ix18 LM	10,5ix21 LM, 8,5ix18 LM	10,5ix21 LM, 8,5ix18 LM	10,5ix22 LM
Rear rims var.3	10,5ix21 LM	10,5ix21 LM, 10,5ix22 LM	10,5ix21 LM, 10,5ix22 LM	N/A
Rear rims var.4	N/A	10,5ix22 LM	10,5ix22 LM	N/A
Track front, mm	N/A	N/A	N/A	1684/1688
Track front var.1, mm	1684	1684	1684	1680/1684
Track front var.2, mm	1680	1666/1680	1666/1680	1680/1684
Track front var.3, mm	1680	1680	1680	N/A
Track front var.4, mm	N/A	1680	1680	N/A
Width of the rear track, mm	N/A	N/A	N/A	1704/1705
Track rear var.1, mm	1704	1704	1704	1688/1689
Track rear var.2, mm	1685	1685	1685	1688/1689
Track rear var.3, mm	1688	1688/1689	1688/1689	N/A
Track rear var.4, mm	N/A	1688/1689	1688/1689	N/A
Wheel offset front, mm	N/A	N/A	N/A	35
Wheel offset front var.1, mm	35	35	35	37
Wheel offset front var.2, mm	37	37	37	37
Wheel offset front var.3, mm	37	37	37	N/A
Wheel offset front var.4, mm	N/A	37	37	N/A
Wheel offset rear, mm	N/A	N/A	N/A	35
Wheel offset rear var.1, mm	35	35	35	43
Wheel offset rear var.2, mm	43	43	43	43
Wheel offset rear var.3, mm	43	43	43	N/A
Wheel offset rear var.4, mm	N/A	43	43	N/A
Run flat tyres	N/A	N/A	N/A	yes
Run flat tyres var.1	yes	yes	yes	yes
Run flat tyres var.2	no, yes	no, yes	no, yes	no
Run flat tyres var.3	no, yes	no, yes	no, yes	N/A
Run flat tyres var.4, -	N/A	no	no	N/A

Steering				
Power-steering	EPS	EPS	EPS	EPS
Steering transmission, overall, -1	16.4/18.7	16.4/18.7	16.4/18.7	16.4/18.7
Tank				
Fuel tank capacity (approx.) , l	69	83	83	83
US Tank capacity (gallons) - series, gal	18.2	21.9	21.9	21.9
SCR				
SCR (Yes/No)	No	No	No	No

Please note: Technical data show BC/WC ranges. SA specific configuration (pre-configuration) cannot be considered. If needed the information can be retrieved from WLP sales documentation instead. If there is more than one value for a numerical data field within a combination of model type and transmission type, then the BC/WC value is shown. In case of non-numerical data fields, the values are separated by ",".