



BMW X7.

2021MY PRODUCT GUIDE.

BMW X7 Sports Activity Vehicle	CW23 BMW X7 xDrive40i	CX63 BMW X7 M50i
Basic data summary		
Transmission type	Automatic	Automatic
Engine description	B58B30M1	N63B44T3
Seats	6/7	6/7
Number of doors	5	5
Engine type	xDrive (AWD)	xDrive (AWD)
Dimensions		
Exterior		
Length, mm	5165	5165
Width, mm	2000	2000
Height, mm	1805	1805
Width inc. mirrors, mm	2218	2218
Width incl.mirror driver, mm	1122	1122
Width incl.mirror passengers side, mm	1096	1096
Wheelbase, mm	3105	3105
Overhang front, mm	888	888
Rear overhang, mm	1172	1172
Turning circle, m	13	13
Interior		
Shoulder width front, mm	1525	1525
Shoulder room rear, mm	1475	1475
Elbow width front, mm	1560	1560
Elbowroom rear, mm	1527	1527
(W10-3) Elbowroom of the 3nd row, mm	1218	1218
effective legroom front (L34), mm	1011	1011
effective legroom rear second seating row (L51-2), mm	954	954
(L51-3) Legroom of the 3rd seating row, mm	846	846
Headroom front/SR, mm	1064	1064
Maximum headroom second, mm	1013	1013
Effective head room 3. SR (H61-3), mm	930	930
Knee clearance, mm	100	100
Seats	6/7	6/7
seats second row	2/3	2/3
seats third row	2	2
Offroad data		
Approach angle front ML1 (A106-1), °	23.1	23.1
Departure angle rear ML1 (A106-2), °	20.5	20.5
Ramp angle ML1 , °	17.1	17.1
Ground clearance, mm	221	221
country depending ground clearance Front Axle ML1, mm	210	210
country dependeing ground clearance rear axle ML1, mm	200	200
Offroad data FI		
fording depth (without auxiliary heating), mm	500	500
climbing ability starting, %	32	32
Luggage volumes		
Press Trunk volume, ft³	48,6 - 90,4, 48.6	48,6, 48.6 - 90.4
EPA luggage volume (SAE), ft³	48.6	48.6
Weight		
Vehicle weights		
Curb weight (without driver), kg	2448	2568
vehicle curb weight without driver (front axle), kg	1184	1259
vehicle curb weight without driver (rear axle), kg	1264	1309
Gross veh. weight, kg	3185	1480
rear axle load limit, kg	1875	1875
Axle load limit front, kg	1400	51
Payload, kg	548	3320
rear Weight distribution (empty car), %	51.6	540
Trailer operation		
gross vehicle wieght with trailer 12% Kat1, kg	5885/6590	2700/3405
Trailer load braked 12%, kg	2700/3405	6020/6725
Trailer nose weight, kg	275	275
US weights		
gross vehicle weight, lbs	7022	7319
Axle load limit rear, lbs	4134	1190
Payload lbs, lbs	1208	3263

Front axle load lbs, lbs	3086	4134
vehicle weight without driver empty fuel tank -FA, lbs	2579	5525
vehicle weight without driver empty fuel tank -RA, lbs	2681	2780
vehicle weight without driver empty fuel tank, lbs	5260	2745
vehicle curb weight inkl. 100% SAa und 33% SAs, lbs	5397	5661
Performance /fuel eco.		
Performance		
Final drive ratio	3.636	3.385
Top speed, km/h	210	210/250
0-100Km/h, s	6.2	4.7
Fuel cons. City, L/100km	12	15.5
Fuel cons. Highway, L/100km	9.4	11.4
Fuel cons. Combined, L/100km	10.8	13.6
Motor data		
Communication		
Power to weight ratio, kg/kW	9.8	6.6
Engine power (cumul.) (kW), kW	250	N/A
Engine power (cumul.) (bHP), bHP	335	N/A
Engine power (cumul.) (HP), PS	340	N/A
Output per litre, kW/dm³	83.4	88.7
Electric motor 1		
Peak power (1. E-engine), kW	8	N/A
Peak power (1. E-engine) (PS), PS	11	N/A
Motor		
Engine type	B58B30M1	N63B44T3
Cylinders	6	8
Valves p.cyl.	4	4
Stroke, mm	94.6	88.3
Bore, mm	82	89
Displacement, cm³	2998	4395
Compression rate, :1	11	10.5
Engine power (bHP), bHP	335	523
rpm at maximum power, 1/min	5500-6500	5500-6000
minimum Engine speed at maximum power, 1/min	5500	5500
maximum Engine speed at maximum power, 1/min	6500	6000
Engine torque, Nm	450	750
Engine torque, ftlbs	331	553
rpm at maximum torque, 1/min	1500-5200	1800-4600
minimum Engine speed at maximum torque, 1/min	1500	1800
maximum Engine speed at maximum torque, 1/min	5200	4600
Fuel type	gasoline	gasoline
Useable Fuel quality	AKI 89 MIN, E25 MAX	AKI 89 MIN, E25 MAX
recomm.	AKI 91	AKI 91
Engine oil (exchange quantity), l	6.5	10.5
Gearbox		
Combustion engine		
Transmission type V	GA8X51CZ	GA8X76AZ
Transmission type	Automatic	Automatic
Nr. of gears	8	8
Gear ratios 1st gear**	5.25	5.5
2nd**	3.36	3.52
3rd**	2.172	2.2
4th**	1.72	1.72
5th**	1.316	1.317
6th**	1	1
7th**	0.822	0.823
8th**	0.64	0.64
Reverse gear**	3.712	3.993
Aerodynamics		
Cx		
Cx Range, m²	0.35-0.38	0.36
Cx Min	0.35	0.38
Cx Max	0.38	0.36-0.38
Cx x A		
Cx x A Min, m²	1.05	1.08
Cx x A Max, m²	1.14	1.14
Stirnflaeche		
Facing surface , m²	3	3
Emission		

Emission classification (type-certified)***	ULEV125	ULEV125
chassis		
Wheel/Tyres		
Front tyres	N/A	285/45 R21 113 H XL AS, 275/40 R22 107 Y XL
Front tyres var.1	285/45 R21 113 H XL AS	285/45 R21 113 H XL AS, 275/40 R22 107 Y XL
Front tyres var.2	285/45 R21 113 H XL AS	275/40 R22 107 Y XL
Front tyres var.3	275/40 R22 107 Y XL	275/40 R22 107 Y XL
Front rims	N/A	9,5Jx21 LM, 9,5Jx22 LM
Front rims var.1	9,5Jx21 LM	9,5Jx21 LM, 9,5Jx22 LM
Front rims var.2	9,5Jx21 LM	9,5Jx22 LM
Front rims var.3	9,5Jx22 LM	9,5Jx22 LM
Rear tyres	N/A	285/45 R21 113 H XL AS, 315/35 R22 111 Y XL
Rear tyres var.1	285/45 R21 113 H XL AS	285/45 R21 113 H XL AS, 315/35 R22 111 Y XL
Rear tyres var.2	285/45 R21 113 H XL AS	315/35 R22 111 Y XL
Rear tyres var.3	315/35 R22 111 Y XL	315/35 R22 111 Y XL
Rear rims	N/A	9,5Jx21 LM, 10,5Jx22 LM
Rear rims var.1	9,5Jx21 LM	9,5Jx21 LM, 10,5Jx22 LM
Rear rims var.2	9,5Jx21 LM	10,5Jx22 LM
Rear rims var.3	10,5Jx22 LM	10,5Jx22 LM
Track front, mm	N/A	1682
Track front var.1, mm	1682	1682
Track front var.2, mm	1682	1690
Track front var.3, mm	1690	1690
Width of the rear track, mm	N/A	1703
Track rear var.1, mm	1703	1703
Track rear var.2, mm	1703	1689
Track rear var.3, mm	1689	1689
Wheel offset front, mm	N/A	32/36
Wheel offset front var.1, mm	36	32/36
Wheel offset front var.2, mm	36	32
Wheel offset front var.3, mm	32	32
Wheel offset rear, mm	N/A	36/43
Wheel offset rear var.1, mm	36	36/43
Wheel offset rear var.2, mm	36	43
Wheel offset rear var.3, mm	43	43
Run flat tyres	N/A	no
Run flat tyres var.1	no	yes
Run flat tyres var.2	yes	no
Run flat tyres var.3	yes	yes
Steering		
Power-steering	EPS	EPS
Steering transmission, overall, :1	16.4/18.7	16.4/18.7
Tank		
Fuel tank capacity (approx.) , l	83	83
Battery		
Battery Capacity (low voltage), Ah	80	80
System voltage (low voltage), V	12	12
SCR		
SCR (Yes/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 WLTP 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 ",".