

Technical data

BMW X5 xDrive45e

BMW X5 (G05)	TA62 BMW X5 xDrive45e
Basic data summary	
Transmission type ,	Automatik
Engine description ,	XB1151M1
Seats ,	5.0
Number of doors ,	5-door car
Engine type ,	Four-wheel drive
SOV ,	01.08.2019-30.11.2019
Dimensions	
Exterior	
Label height front, upper edge, mm	598.0
country dependeing ground clearance rear axle ML1, mm	214.0
Label height front, lower edge, mm	488.0
Overhang front, mm	874.0
Wheelbase, mm	2975.0
Approach angle front ML3, °	N/A
Turning circle, m	12.6
Width incl.mirror passengers side, mm	1096.0
Width inc. mirrors, mm	2218.0
Ground clearance ML3, mm	N/A
country depending ground clearance Front Axle ML1, mm	216.0
Label angle rear, °	14.6
Ground clearance, mm	214.0
Height ML3, mm	N/A
Rear overhang, mm	1073.0
Label height back, upper edge, mm	1038.0
Length, mm	4922.0
Width, mm	2004.0
Height, mm	1745.0
Label height back, lower edge, mm	932.0
Width incl.mirror driver, mm	1122.0
Label angle front, °	0.0
Approach angle rear ML3	N/A
ramp angle ML3, °	N/A
Interior	
Seat back angle 2nd Seat Row, centre , °	N/A
internal loading (H196), mm	788.0
Maximum headroom second, mm	1001.0
Seat back angle 2nd Seat Row, outboard , °	N/A
Maximum headroom rear, mm	984.0
Elbow width front, mm	1560.0
Shoulder room rear, mm	1476.0
Seat back angle front Seat , °	N/A
Shoulder width front, mm	1525.0
Knee clearance, mm	108.0
Max. headroom front, mm	1037.0
effective legroom rear second seating row (L51-2), mm	950.0
Elbowroom rear, mm	1525.0
Seats	5.0
Headroom front/SR, mm	1033.0
effective legroom front (L34), mm	1011.0
seats second row	3.0
Distance, front wheel middle to middle AHK, mm	4133.0
Height SRP to the roadway, 3.SR, mm	N/A
Front wheel middle to SRP 3. SR (a3), mm	N/A
Distance, front wheel middle to middle luggage compartment, mm	3258.0
Distance, front wheel middle to SRP, mm	1605.0
Distance, front wheel middle to SRP 2. SR, mm	2481.0
Distance front wheel middle to SRP 3. SR, mm	N/A
Front wheel middle to SRP 1. SR, mm	N/A
Front wheel middle to SRP 2. SR, mm	N/A
Height SRP to the roadway, 2.SR, mm	N/A
Y-distance side mirror centers, mm	N/A
Sunroof width, mm	N/A
vertical distance side mirror center driver's side, mm	N/A
horizontal distance side mirror center passenger side, mm	N/A
horizontal distance side mirror center driver's side, mm	N/A
Interior height Japan, mm	N/A
Height SRP to the roadway, front, mm	N/A
interior length Japan, mm	N/A
vertical distance side mirror center passenger side, mm	N/A

Sunroof length, mm	N/A
seats third row	N/A
(W10-3) Elbowroom of the 3rd row, mm	N/A
(L51-3) Legroom of the 3rd seating row, mm	N/A
(W3-3) Shoulder room 3rd row, mm	N/A
Effective head room 3. SR (H61-3), mm	N/A
Seat back angle 3rd Seat Row, °	N/A
Offroad data	
Approach angle front ML1 (A106-1), °	25.2
Ramp angle ML1, °	20.2
Departure angle rear ML1 (A106-2), °	22.3
Luggage volumes	
Luggage volume (V214-1), l	1720.0
Luggage volume (V211-2), l	500.0
Luggage volumes (V210-2), l	N/A
Luggage volume (V210-2.1), l	N/A
Press Trunk volume (SAE), ft³	N/A
Weight	
Vehicle weights	
Payload, kg	715.0
vehicle curb weight without driver (rear axle), kg	1295.0
vehicle curb weight without driver (front axle), kg	1140.0
vehicle curb weight with driver (rear axle), kg	1335.0
rear Weight distribution (empty car), %	53.2
Curb weight (CHN), kg	N/A
rear axle load limit, kg	1810.0
vehicle curb weight with driver (front axle), kg	1175.0
Axle load limit front, kg	1390.0
Gross veh. weight, kg	3150.0
curb weight without driver 50% SA -RA -heavy, kg	N/A
Curb weight (with driver), kg	2510.0
curb weight without driver 50% SA -FA - heavy, kg	N/A
curb weight without driver 50% SA - light, kg	N/A
curb weight without driver 50% SA - heavy, kg	N/A
vehicle curb weight with driver - light, kg	N/A
Curb weight (without driver), kg	2435.0
Gross vehicle weight RA, kg	N/A
Gross vehicle weight, kg	N/A
Gross vehicle weight FA, kg	N/A
others	
~Maximale Masse der Zusatzausrüstung, kg	222.0
Roof load, kg	100.0
Trailer operation	
Trailer nose weight, kg	140.0
Trailer load braked 12%, kg	2700.0
exceedance Gross veh. weight /w.trailer, kg	3250.0
Trailer load unbraked, kg	750.0
gross vehicle wieght with trailer unbraked, kg	3900.0
gross vehicle wieght with trailer 12% Kat1, kg	5850.0
Rear axle load w. trailer, kg	2015.0
Trailer load braked 8%, kg	2700.0
gross vehicle wieght with trailer 12% Kat2, kg	5850.0
max. towable trailer mass 12% category II, kg	2700.0
gross vehicle wieght with trailer 8% Kat2, kg	5850.0
max. towable trailer mass 8% category II, kg	2700.0
gross vehicle wieght with trailer 8% Kat1, kg	5850.0
Performance /fuel eco.	
Transmission type correct 1	N/A
Performance	
Final drive ratio	3.636
0-100Km/h, s	5.6
Top speed, mph	N/A
80-120Km/h (5.), s	N/A
Top speed, km/h	235.0
80-120km/h, s	N/A
30-70km/h, s	N/A
0-60km/h, s	N/A
0-60 mph, s	N/A
Top speed (electrical), km/h	135.0
high-voltage battery	
charging time 1 (0-80% SoC), h	5.0
Battery type high voltage	Li-Ion
charging time 2 (0-100% SoC), h	10.6
Net battery content high voltage, kWh	21.58
Battery Capacity (high voltage), Ah	68.0
Battery Position high voltage	Unterflur Hinterwagen
Gross battery content high voltage, kWh	24.0
charging time 2 (0-80% SoC), h	7.9
charging time 3 (0-100% SoC), h	0.0
System voltage (high voltage), V	354.2
charging time 3 (0-80% SoC), h	0.0
charging variation 3	-
charging variation 1	-

charging time 1 (0-100% SoC), h	6.8
charging variation 2	AC Typ 2; 2,2 kW Mode2 Ladekabel 1ph
Motor data	
Rated maximum power (only for China), kW	N/A
Electrification level	PHEV

Electric motor 1		
Location Sticker of E-Engine identification		N/A
Location Stamping of E-Engine Number		N/A
at rpm (1. E-engine), 1/min		3170.0
range at Peak torque (1.E-engine), 1/min		0-3170
Motor function (1. E-engine)		Traktions-E-Maschine
Location Stamping of E-Engine identification		N/A
Peak power (1. E-engine) (PS), PS		113.0
Engine (1. E-engine)		GC1P25M0
rpm at 60min peak power (1.E-engine), 1/min		5000
Peak power (1. E-engine), kW		83.0
30min-torque (1.E-engine), Nm		105.0
Engine Config (1. E-engine)		permanent erregte Synchronmaschine
rpm at 30min peak power (1. E-engine), 1/min		5000.0
torque (1. E-engine), Nm		105.0
highest output 30 min (1. E-engine), kW		55.0
Max. torque (1.E-engine), Nm		265.0
maximum hourly output (1. E-engine), kW		55.0
maximum engine speed at Peak torque (1.E-Motor), 1/min		3170.0
minimum engine speed at Peak torque (1.E-Motor), 1/min		0.0
Translations 1st gear		N/A
Transmission Identification of E-motor		N/A
engine power bHP (1. E-engine), bHP		N/A
peak power bHP (1. E-engine), bHP		N/A
Electric Range (WLTP), km*		79-87
Communication		
Engine power (cumul.) (kW), kW		290.0
Output per litre, kW/dm ³		70.0
Engine torque (cumul.), Nm		600.0
Engine power (cumul.) (HP), PS		394.0
Power to weight ratio, kg/kW		11.6
System: Weight ratio, kg/kW		8.4
Engine torque (cumul.), ftlbs		N/A
Engine power (cumul.) (bHP), bHP		N/A
Output of system per litre, kW/dm ³		96.7
Motor		
Rated engine power (kW), kW		210.0
Useable Fuel quality		RON 91 MIN, E25 MAX
Fuel type		Benzin
Engine torque, Nm		450.0
Location Stamping of Engine		N/A
recomm.		RON 95
Location Stamping of Engine identification		N/A
Stroke, mm		94.6
Cylinders		6.0
maximum Engine speed at maximum power, 1/min		6000.0
minimum Engine speed at maximum power, 1/min		5000.0
Engine power (HP), PS		286.0
Location Sticker Engine Number		N/A
rpm at maximum power, 1/min		5000-6000
Compression rate, :1		11.0
rpm at maximum torque, 1/min		1500-3500
Displacement, cm ³		2998.0
maximum Engine speed at maximum torque, 1/min		3500.0
Valves p.cyl.		4.0
Engine type		B58B30M1
minimum Engine speed at maximum torque, 1/min		1500.0
Bore, mm		82.0
Engine oil (exchange quantity), l		6.5
Engine power (bHP), bHP		N/A
Gearbox		
Combustion engine		
5th**		1.285
Reverse gear**		3.317
Gear ratios 1st gear**		4.714
8th**		0.667
2nd**		3.143
3rd**		2.106
7th**		0.839
4th**		1.667
Transmission type		Automatik
Transmission type V		GA8P75HZ
6th**		1.0
Nr. of gears		8
Aerodynamics		
Cx		
Cx Range, m ²		0.32-0.38
Cx Min		0.32
Cx Max		0.38
Cx x A		
Cx x A Min, m ²		0.93
Cx x A Max, m ²		1.1
Cx x A Range, m ²		N/A

Stirnflaeche		
Facing surface , m²		2.9
Emission		
Emission classification (type-certified)***		Euro 6d-TEMP-EVAP-ISC
chassis		
Wheel/Tyres		
Total toe-in front (incl. assembly tolerance)		N/A
Rear tyres	22 107 Y XL I 265/50 R19 110 W XL I 315/35 R21	
Width of the rear track, mm		1688.0/1698.0
Run flat tyres		nein I ja
Camber front (incl. assembly tolerance)		N/A
Front tyres	22 104 Y XL I 265/50 R19 110 W XL I 275/40 R21	
Track front, mm		1678.0/1680.0
Wheel offset rear, mm		38.0/43.0
Total toe-in rear (incl. assembly tolerance)		N/A
Camber rear (incl. assembly tolerance)		N/A
Wheel offset front, mm		37.0/38.0
Front rims	9,5Jx22 LM I 9Jx19 LM I 9,5Jx21 LM	
Rear rims	10,5Jx22 LM I 9Jx19 LM I 10,5Jx21 LM	
Brakes		
Brake pedal travel, mm		N/A
Brake pedal play, mm		N/A
Steering		
Power-steering		EPS
Steering transmission, overall, :1		16.4/18.7
Tank		
Fuel tank capacity (approx.) , l		69.0
US Tank capacity (gallons) - series, gal		N/A
Battery		
Battery Capacity (low voltage), Ah		80/105
System voltage (low voltage), V		12.0
2nd battery Capacity (low voltage) , Ah		50/50
SCR		
SCR (Yes/No)		Nein
SCR-Typ Activtank		N/A
AdBlue-Volume (Passivtank), l		N/A
SCR-Typ Passivtank		N/A
AdBlue-Volume (Activtank), l		N/A
Offroad data FI		
fording depth (without auxiliary heating), mm		500.0
climbing ability starting, %		32.0
Emissions Information		
CO2 Combined g/km		
Wheel cluster: 1PA, 1S9, 1SC, 1SM		39
Wheel cluster: 1SE, 1TC, 1XD, 1XN		41