

Technical specifications.

BMW X5.

X5 xDrive50e.



BMW X5 xDrive50e			
Body			
No. of doors / seats			5 / 5
Length/width/height (unladen)	mm		4935 / 2004 / 1755
Wheelbase	mm		2975
Track, front/rear	mm		1677 / 1698
Turning circle	m		12.6
Fuel tank capacity	approx. l		69
Weight, unladen, to DIN/EU	kg		2420 / 2495
Max. load to DIN	kg		780
Max. permissible weight	kg		3200
Max. axle load, front/rear	kg		1400 / 1875
Max. trailer load			
braked (12%)/unbraked	kg		2700 / 750
Max. roofload/towbar download	kg		100 / 140
Luggage comp. capacity	l		500 – 1720
Air resistance	cx x A		0.33 x 2.93
Power Unit			
Drive concept			Full hybrid drive, drive torque from one or both sources (petrol engine/electric motor) sent to all four wheels via BMW xDrive
Max. system output ¹⁾	kW/hp		360 / 490
Max. system torque ¹⁾	Nm		700
System power-to-weight ratio (DIN)	kg/kW		6.7
Petrol Engine			
Config./No. of cyls./valves			In-line / 6 / 4
Engine technology			BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc		2998
Stroke/bore	mm		94.6 / 82.0
Compression ratio	:1		11.0
Fuel			Min. RON 91
Nominal power	kW/hp		230 / 313
at	rpm		5000 – 6500
Nominal torque	Nm		450
at	rpm		1750 – 4700
Output per litre	kW/l		76.7
Electric Motor			
Motor technology			BMW eDrive technology: synchronous electric motor with pre-gearing stage, integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery
Nominal power	kW/hp		145 / 197
at	rpm		7000
Nominal torque	Nm		280
at	rpm		100 – 5500
Effective torque resulting from pre-gearing	Nm		450
High-voltage Battery			
Storage technology / installation			Lithium-ion / underfloor
Voltage	V		238
Energy capacity (gross / net)	kWh		29.5 / 25.7
Charging time, 0–100% charge			4.5 h at 7.4 kW (32 A / 230 V, single-phase)
Transmission			
Type of transmission			Eight-speed Steptronic transmission
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543
Final drive		:1	3.636

BMW X5 xDrive50e		
Driving Dynamics and Safety		
Suspension, front	Double-wishbone axle in aluminium construction, adaptive suspension, air suspension with automatic self-levelling	
Suspension, rear	Five-link axle in lightweight steel construction, adaptive suspension, air suspension with automatic self-levelling	
Brakes, front	Four-piston fixed-calliper disc brakes	
Brakes, rear	Single-piston floating-calliper disc brakes	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Automatic Differential Brake), HDC (Hill Descent Control), trailer stability control	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	17.6
Tyres, front/rear	265/50 R19 110W XL	
Rims, front/rear	9J x 19 light-alloy	
Performance		
Acceleration 0–100 km/h	s	4.8
Top speed	km/h	250
Top speed (electric)	km/h	140
Electric range (WLTP)	km	94 – 110
Off-road Characteristics		
Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance (unladen)	mm	214
Fording depth (at 7 km/h)	mm	500
BMW EfficientDynamics		
BMW EfficientDynamics standard features	BMW eDrive technology, adaptive Brake Energy Regeneration with recuperation display, Electric Power Steering, hybrid-specific Automatic Start Stop function, Optimum Shift Indicator, COMFORT and ECO PRO modes with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE		
Fuel consump. weighted comb. (WLTP)	l/100 km	1.1 – 0.8
Fuel consump weighted comb. (NEDC)	l/100 km	–
CO ₂ emissions from fuel (WLTP)	g/km	26 – 18
CO ₂ emissions from fuel (NEDC)	g/km	–
Elec. power cons. weighted comb.	l/100 km	27.0 – 22.9
Elec. power cons. weighted comb.	l/100 km	–
Emission rating	Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

¹⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

The fuel consumption, CO₂ emissions, electric power consumption and electric range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment.

All values were calculated based on the new WLTP test cycle. WLTP values are taken as the basis for determining vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions as well as eligibility for any applicable vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures can also be found at www.bmw.de/wltp.

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2>.

BMW X5. X5 xDrive30d.

BMW X5 xDrive30d		
Body		
No. of doors / seats		5 / 5 (7) ¹⁾
Length/width/height (unladen)	mm	4935 / 2004 / 1765
Wheelbase	mm	2975
Track, front/rear	mm	1677 / 1698
Turning circle	m	12.6
Fuel tank capacity	approx. l	80
Engine oil ²⁾	l	⁴⁾
Weight, unladen, to DIN/EU	kg	2220 / 2295
Max. load to DIN	kg	730
Max. permissible weight	kg	2950
Max. axle load, front/rear	kg	1360 / 1680
Max. trailer load		
braked (12%)/unbraked	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity	l	650 – 1870
Air resistance	cx x A	0.33 x 2.93
Power Unit		
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar), 48V mild hybrid technology using an electric motor integrated into the transmission	
Max. output, overall ³⁾	kW/hp	219 / 298
Max. torque, overall ³⁾	Nm	670
Diesel Engine		
Config./No. of cyls./valves		In-line / 6 / 4
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Nominal power	kW/hp	210 / 286
at	rpm	4000
Nominal torque	Nm	650
at	rpm	1500 – 2500
Output per litre	kW/l	70.2
Electric Motor		
Nominal power	kW/hp	9 / 12
Nominal torque	Nm	200
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	20 / engine compartment
Driving Dynamics and Safety		
Suspension, front	Double-wishbone axle in aluminium construction, adaptive suspension; optional: adaptive M suspension, air suspension with automatic self-levelling	
Suspension, rear	Five-link axle in lightweight steel construction, adaptive suspension; optional: adaptive M suspension, air suspension with automatic self-levelling	
Brakes, front	Four-piston fixed-calliper disc brakes	
Brakes, rear	Single-piston floating-calliper disc brakes	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Automatic Differential Brake), HDC (Hill Descent Control), trailer stability control; optional: active roll stabilisation, M Sport differential	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	17.6
Tyres, front/rear	265/50 R19 110W XL	
Rims, front/rear	9J x 19 light-alloy	

BMW X5 xDrive30d			
Transmission			
Type of transmission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.501
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543
Final drive		:1	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		10.1
Acceleration 0–100 km/h	s		6.1
Top speed	km/h		233
Off-road Characteristics			
Angle of approach/departure	°		25.2 / 22.3
Breakover angle	°		20.2
Ground clearance (unladen)	mm		214
Fording depth (at 7 km/h)	mm		500
BMW EfficientDynamics			
BMW EfficientDynamics standard features		48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Automatic Start/Stop function, COMFORT and ECO PRO modes with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter	
Fuel Consumption ECE			
Combined (WLTP)	l/100		8.2 – 7.1
Combined (NEDC)	l/100		–
CO ₂ (WLTP)	g/km		215 – 186
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6d

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¹⁾ With optional third row of seats

²⁾ Oil change

³⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

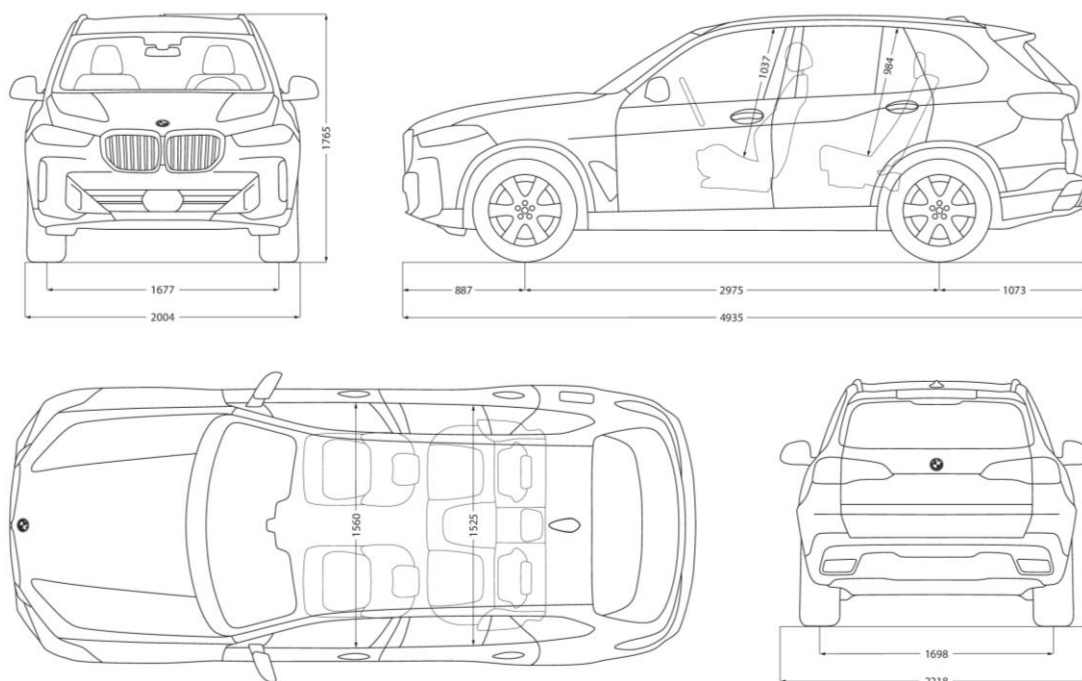
⁴⁾ Data not yet available

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Exterior and interior dimensions. BMW X5.



The dimensions indicated in the technical drawing are in millimetres and may vary depending on the model and the items of optional equipment fitted.