

Technical specifications.

BMW X7.

X7 xDrive40i.



BMW X7 xDrive40i		
Body		
No. of doors / seats		5 / 7 (6) ¹⁾
Length/width/height (unladen)	mm	5181 / 2000 / 1835
Wheelbase	mm	3105
Track, front/rear	mm	1684 / 1705
Turning circle	m	13.0
Fuel tank capacity	approx. l	83
Engine oil ²⁾	l	⁴⁾
Weight, unladen, to DIN/EU	kg	2415 / 2490
Max. load to DIN	kg	800
Max. permissible weight	kg	3215
Max. axle load, front/rear	kg	1340 / 1945
Max. trailer load		
braked (12%/unbraked)	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity	l	300 – 2120
Drag coefficient	cx	0.32
Power Unit		
Engine technology		BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing, 48V mild hybrid technology using an electric motor integrated into the transmission
Max. output, overall ³⁾	kW/hp	280 / 380
Max. torque, overall ³⁾	Nm	540
Petrol Engine		
Config./No. of cyls./valves		In-line / 6 / 4
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Nominal power	kW/hp	280 / 380
at	rpm	5200 – 6250
Nominal torque	Nm	520
at	rpm	1850 – 5000
Output per litre	kW/l	93.4
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, air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction, air suspension with automatic self-levelling
Brakes, front		Single-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, adaptive suspension; optional: active roll stabilisation
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		275/50 R20 113W XL
Rims, front/rear		8.5J x 20 light-alloy

BMW X7 xDrive40i			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	3.636
Performance			
Power-to-weight ratio (DIN)	kg/kW		8.6
Acceleration 0–100 km/h	s		5.8
Top speed	km/h		250
Off-road Characteristics			
Angle of approach/departure	°		25.0 / 22.2
Breakover angle	°		19.8
Ground clearance (unladen)	mm		221
Fording depth (at 7 km/h)	mm		500
BMW EfficientDynamics			
BMW EfficientDynamics standard features	48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Auto Start Stop function, COMFORT and ECO PRO mode 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		
Fuel Consumption ECE			
Combined (WLTP)	l/100		10.6 – 9.6
CO ₂ (WLTP)	g/km		240 – 217
Combined (NEDC)	l/100		–
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6d

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

¹⁾ With optional individual seats in the second row

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⁾ Figures not yet available

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 X7. X7 M60i xDrive.

BMW X7 M60i xDrive		
Body		
No. of doors / seats		5 / 7 (6) ¹⁾
Length/width/height (unladen)	mm	5181 / 2000 / 1835
Wheelbase	mm	3105
Track, front/rear	mm	1682 / 1703
Turning circle	m	12.4
Fuel tank capacity	approx. l	83
Engine oil ²⁾	l	⁴⁾
Weight, unladen, to DIN/EU	kg	2600 / 2675
Max. load to DIN	kg	755
Max. permissible weight	kg	3355
Max. axle load, front/rear	kg	1465 / 1955
Max. trailer load		
braked (12%/unbraked)	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity	l	300 – 2120
Drag coefficient	cx	0.34
Power Unit		
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: two twin-scroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing, 48V mild hybrid technology using an electric motor integrated into the transmission
Max. output, overall ³⁾	kW/hp	390 / 530
Max. torque, overall ³⁾	Nm	750
Petrol Engine		
Config./No. of cyls./valves		V / 8 / 4
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		Min. RON 91
Nominal power	kW/hp	390 / 530
at	rpm	5500 – 6000
Nominal torque	Nm	750
at	rpm	1800 – 4600
Output per litre	kW/l	88.7
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 with M-specific tuning, air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction with M-specific tuning, 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, adaptive suspension, active roll stabilisation
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, Integral Active Steering
Steering ratio, overall	:1	16.4
Tyres, front/rear		285/45 R21 113Y XL
Rims, front/rear		9.5J x 21 light-alloy

BMW X7 M60i xDrive			
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	3.385
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.7
Acceleration 0–100 km/h	s		4.7
Top speed	km/h		250
Off-road Characteristics			
Angle of approach/departure	°		25.0 / 22.2
Breakover angle	°		19.8
Ground clearance (unladen)	mm		221
Fording depth (at 7 km/h)	mm		500
BMW EfficientDynamics			
BMW EfficientDynamics standard features	48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Auto Start Stop function, COMFORT and ECO PRO mode 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		
Fuel Consumption ECE			
Combined (WLTP)	l/100		12.9 – 12.1
CO ₂ (WLTP)	g/km		292 – 274
Combined (NEDC)	l/100		–
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6d

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¹⁾ With optional individual seats in the second row

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⁾ Figures not yet available

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 X7. X7 xDrive40d.

BMW X7 xDrive40d		
Body		
No. of doors / seats		5 / 7 (6) ¹⁾
Length/width/height (unladen)	mm	5181 / 2000 / 1835
Wheelbase	mm	3105
Track, front/rear	mm	1684 / 1705
Turning circle	m	13.0
Fuel tank capacity	approx. l	80
Engine oil ²⁾	l	⁴⁾
Weight, unladen, to DIN/EU	kg	2490 / 2565
Max. load to DIN	kg	835
Max. permissible weight	kg	3325
Max. axle load, front/rear	kg	1465 / 1955
Max. trailer load		
braked (12%/unbraked)	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity	l	300 – 2120
Drag coefficient	cx	0.33
Power Unit		
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable intake 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	259 / 352
Max. torque, overall ³⁾	Nm	720
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	250 / 340
at	rpm	4400
Nominal torque	Nm	700
at	rpm	1750 – 2250
Output per litre	kW/l	83.5
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, air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction, air suspension with automatic self-levelling
Brakes, front		Single-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, adaptive suspension; optional: active roll stabilisation
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		275/50 R20 113W XL
Rims, front/rear		8.5J x 20 light-alloy

BMW X7 xDrive40d			
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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		9.6
Acceleration 0–100 km/h	s		5.9
Top speed	km/h		245
Off-road Characteristics			
Angle of approach/departure	°		25.0 / 22.2
Breakover angle	°		19.8
Ground clearance (unladen)	mm		221
Fording depth (at 7 km/h)	mm		500
BMW EfficientDynamics			
BMW EfficientDynamics standard features	48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Auto Start Stop function, COMFORT and ECO PRO mode 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		
Fuel Consumption ECE			
Combined (WLTP)	l/100		8.6 – 7.7
CO ₂ (WLTP)	g/km		225 – 203
Combined (NEDC)	l/100		–
CO ₂ (NEDC)	g/km		–
Emission rating			Euro 6d

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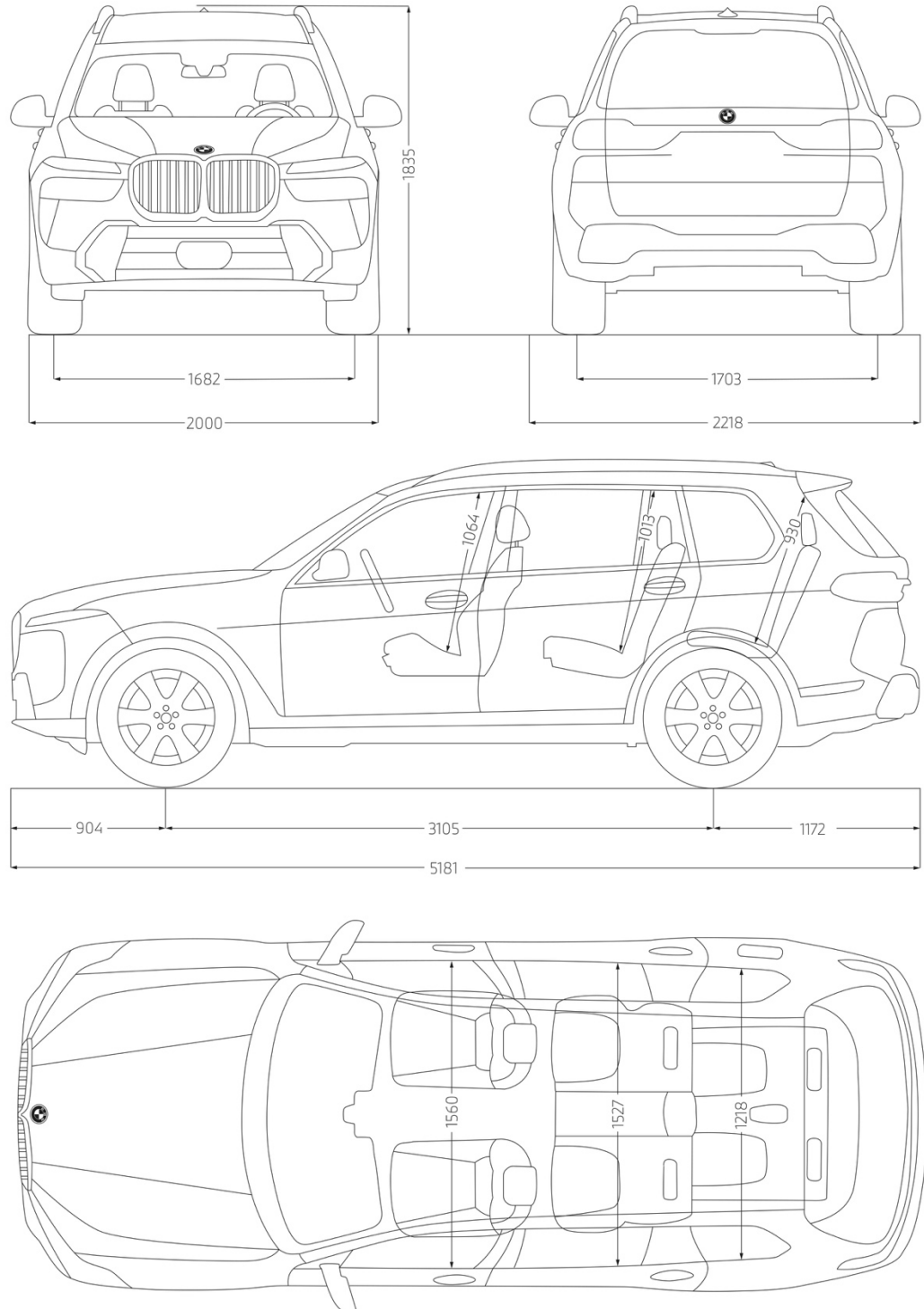
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Exterior and interior dimensions. BMW X7. X7 xDrive40i.



The dimensions of the technical drawings are in millimeters and may vary depending on the model and optional equipment.