

Specifications.

BMW X7.

X7 xDrive40d.



BMW X7 xDrive40d		
Body		
No of doors/seats		5 / 7 (6) ¹⁾
Length/width/height (unladen)	mm	5151 / 2000 / 1805
Wheelbase	mm	3105
Track, front/rear	mm	1684 / 1705
Turning circle	m	13.0
Fuel tank capacity	approx. l	80
Engine oil ²⁾	l	7.0
Weight, unladen, to DIN/EU	kg	2470 / 2545
Max load to DIN	kg	825
Max permissible weight	kg	3295
Max axle load, front/rear	kg	1415 / 1960
Max trailer load, braked (12%)/unbraked	kg	3500 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	326 – 2120
Air resistance	c _d x A	0,33 x 3,00
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable-geometry, Common Rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	250 / 340
at	rpm	4400
Max torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / 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, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent 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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		275/50 R20 113W XL
Rims, front/rear		8.5J x 20 light-alloy

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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	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		9.9
Output per litre	kW/l		83.5
Acceleration 0–100 km/h	s		6.1
Top speed	km/h		245
Off-road characteristics			
Angle of approach/departure	°	25.0 / 22.2	
Breakover angle	°	19.8	
Ground clearance when unladen	mm	221	
Fording depth (at 7 km/h)	mm	500	
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT 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, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km	7.8 – 7.5	
Extra-urban	l/100 km	5.9 – 5.7	
Combined	l/100 km	6.6 – 6.4	
CO ₂	g/km	173 – 167	
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

The values for fuel consumption, CO₂ emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO₂-emissions the CO₂ values may differ to the values stated here.