

Specifications.

BMW X7.

X7 M50i.



BMW X7 M50i		
Body		
No of doors/seats		5 / 7 (6) ¹⁾
Length/width/height (unladen)	mm	5151 / 2000 / 1805
Wheelbase	mm	3105
Track, front/rear	mm	1682 / 1703
Turning circle	m	13.0
Fuel tank capacity	approx. l	83
Engine oil ²⁾	l	10.5
Weight, unladen, to DIN/EU	kg	2480 / 2555
Max load to DIN	kg	805
Max permissible weight	kg	3285
Max axle load, front/rear	kg	1455 / 1925
Max trailer load, braked (12%/unbraked)	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	326 – 2120
Air resistance	c _d x A	0.34 x 3.00
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology	BMW TwinPower Turbo technology: two TwinScroll turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing	
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/installation	Ah/–	80 / luggage 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	Four 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 (Automatic Differential Brake), HDC (Hill Descent Control), Adaptive suspension, electronically controlled rear differential lock; 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		285/45 R21 113Y XL
Rims, front/rear		9.5J x 21 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	3.385
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.4
Output per litre	kW/l		88.7
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 when unladen	mm	221	
Fording depth (at 7 km/h)	mm	500	
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency- and weight-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE			
Urban	l/100 km	15.0 – 14.9	
Extra-urban	l/100 km	8.8 – 8.5	
Combined	l/100 km	11.1 – 10.9	
CO ₂	g/km	252 – 248	
Emission rating		EU6d-TEMP	

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.