

# Technical specifications.

## BMW XM 50e.



BMW  
Media  
information

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BMW XM 50e		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	5110 / 2005 / 1755
Wheelbase	mm	3105
Track, front/rear	mm	1726 / 1690
Ground clearance	mm	220
Turning circle	m	12.5
Fuel tank capacity	approx. l	69
Weight, unladen, to DIN/EU	kg	2620 / 2695
Max. load to DIN	kg	600
Max. permissible weight	kg	3220
Max. axle load, front/rear	kg	1450 / 1825
Max. trailer load, braked (12%)/unbraked	kg	2700 / 750
Max. roofload/towbar download	kg	- / 140
Luggage comp. capacity	l	527 – 1820
<b>Power Unit</b>		
Drive concept	Full-hybrid drive system, drive torque sent by one or both motors to all four wheels via M xDrive	
System output	kW/hp	350 / 476
System torque	Nm	700
System power-to-weight ratio	kg/kW	7.5
<b>Petrol Engine</b>		
Config./No. of cyls./valves	V / 6 / 4	
Engine technology	M TwinPower Turbo technology with exhaust manifold integrated into the cylinder head, M TwinScroll turbocharger, indirect charge air cooling, dual injection with low pressure injection into the intake channel and high pressure injection into the combustion chamber, VALVETRONIC fully variable valve timing, Double-VANOS variable, electric camshaft timing	
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel	min RON 91	
Max. output	kW/hp	230 / 313
at	rpm	5000 – 6500
Max. torque	Nm	450
at	rpm	1750 – 4700
Output per litre	kW/l	76.7
<b>Electric Motor</b>		
Motor technology	BMW eDrive technology: synchronous electric motor with pre-gearing stage integrated into eight-speed M Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Peak output	kW/hp	145 / 197
at	rpm	7000
Torque	Nm	280
at	rpm	100 – 5500
Effective torque through pre-gearing stage	Nm	450
<b>High-voltage Battery</b>		
Storage technology / Installation	Lithium-ion / Underfloor	
Voltage	V	317
Energy capacity (gross / net)	kWh	29.5 / 25.7
Max. charging rate	kW	7.4
Charging time, 0–100% charge	4.5 h at 7.4 kW (32 A / 230 V, 1ph.)	

BMW XM 50e			
Driving Dynamics and Safety			
Suspension, front		Adaptive M suspension with double-wishbone front axle in lightweight aluminium construction, M-specific kinematics and elastokinematics	
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminium/ steel construction, M-specific kinematics and elastokinematics	
Brakes, front		Six-piston fixed-calliper disc brakes, vented	
Brakes, rear		Single-piston floating-calliper disc brakes, vented	
Driving stability systems		Standard: DSC incl. ABS and M Dynamic Mode (MDM), can be switched off, near-actuator wheel slip limitation,, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, drive-off assistant, M xDrive all-wheel-drive system networked with DSC, active roll stabilisation with Active Roll Comfort	
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 M-specific Servotronic function, Integral Active Steering	
Steering ratio, overall		:1	16.2
Tyres, front/rear		275/45 R21 110Y XL / 315/40 R21 115Y XL	
Rims, front/rear		9.5J x 21 light-alloy / 10.5J x 21 light-alloy	
Transmission			
Type of transmission		Eight-speed M 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
Performance			
Acceleration	0–100 km/h	s	5.1
Top speed		km/h	250
Top speed on electric power		km/h	140
Electric range (WLTP)		km	77 – 83
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering, hybrid-specific Automatic Start/Stop 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	
Fuel Consumption ECE			
Petrol cons., weighted combined (WLTP)		l/100 km	1.7 – 1.3
Petrol cons., weighted combined (NEDC))		l/100 km	–
CO <sub>2</sub> emissions from petrol (WLTP)		g/km	37 – 30
CO <sub>2</sub> emissions from petrol (NEDC))		g/km	–
Electric power consumption, weighted combined (WLTP)		kWh/100 km	32.2 – 31.5
Electric power consumption, weighted combined (NEDC))		kWh/100 km	–
Emission rating		Euro 6e	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany  
All figures are provisional

Fuel consumption, CO<sub>2</sub> emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

For vehicles which have been newly type-approved since 01.01.2021, official figures are only available according to WLTP. In addition, according to EU Regulation 2022/195, from 01.01.2023 the NEDC values in the EC certificates of conformity will no longer apply. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.de/wltp](http://www.bmw.de/wltp).

For further details of the official fuel consumption figures and official specific CO<sub>2</sub> emissions of new cars, please refer to the "Manual on the fuel consumption, CO<sub>2</sub> emissions and power consumption of new cars", available at sales outlets free of charge, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Schornhausen and at <https://www.dat.de/co2/>.