

# Technical specifications.

## BMW X5 M.

## X5 M Competition.



BMW X5 M Competition		
<b>Body</b>		
No. of doors / seats		5 / 5
Length/width/height (unladen)	mm	4948 / 2015 / 1762
Wheelbase	mm	2972
Track, front/rear	mm	1699 / 1688
Turning circle	m	12.8
Fuel tank capacity	approx. l	83
Engine oil <sup>1)</sup>	l	<sup>4)</sup>
Weight, unladen, to DIN/EU	kg	2400 / 2475
Max. load to DIN	kg	640
Max. permissible weight	kg	3040
Max. axle load, front/rear	kg	1440 / 1670
Max. trailer load		
braked (12%)/unbraked	kg	3000 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity	l	650 – 1870
Air resistance	cx x A	0.38 x 2.99
<b>Power Unit</b>		
Engine technology	M TwinPower Turbo technology with cross-bank exhaust manifold: M TwinScroll twin turbocharger, indirect charge air cooling, 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 <sup>2)</sup>	kW/hp	460 / 625
Max. torque, overall <sup>2)</sup>	Nm	750
<b>Petrol Engine</b>		
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 95
Nominal power	kW/hp	460 / 625
at	rpm	6000
Nominal torque	Nm	750
at	rpm	1800 – 5800
Output per litre	kW/l	104.7
<b>Electric Motor</b>		
Nominal power	kW/hp	9 / 12
Nominal torque	Nm	200
<b>Electrical System</b>		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	10 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front	Adaptive M suspension with double-wishbone axle in lightweight aluminium construction, M-specific kinematics and elastokinematics	
Suspension, rear	Adaptive M suspension with five-link axle in lightweight aluminium construction, M-specific elastokinematics	
Brakes, front	M Compound brakes, vented, with six-piston fixed callipers	
Brakes, rear	M Compound brakes, vented, with single-piston floating callipers	
Driving stability systems	Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, drive-off assistant, Active M Differential, active roll stabilisation, DSC and Active M Differential networked with M xDrive all-wheel-drive system	
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 M-specific Servotronic function and variable sport ratio	
Steering ratio, overall	:1	16.2
Tyres, front/rear	295/35 ZR21 107Y XL / 315/30 ZR22 107Y XL	
Rims, front/rear	10.5J x 21 light-alloy / 11.5J x 22 light-alloy	

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<b>Power Transfer</b>		
M xDrive intelligent all-wheel drive, central transfer case with fully variable multi-plate clutch, fully variable torque distribution between front and rear axle, rear differential with fully variable Active M Differential, locking effect 0 – 100 per cent		
<b>Transmission</b>		
Type of transmission	Eight-speed M Steptronic transmission with Drivelogic, transmission oil cooling	
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
<b>Performance</b>		
Power-to-weight ratio (DIN)	kg/kW	5.2
Acceleration 0–100 km/h	s	3.9
Acceleration 0–200 km/h	s	13.8
Top speed	km/h	250 / 290 <sup>3)</sup>
<b>Off-road Characteristics</b>		
Angle of approach/departure	°	19.3 / 22.1
Breakover angle	°	18.2
Ground clearance (unladen)	mm	212
Fording depth (at 7 km/h)	mm	450
<b>BMW EfficientDynamics</b>		
BMW EfficientDynamics standard features	48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Automatic Start/Stop function, 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	
<b>Fuel Consumption ECE</b>		
Combined (WLTP)	l/100	13.1 – 12.9
Combined (NEDC)	l/100	–
CO <sub>2</sub> (WLTP)	g/km	295 – 291
CO <sub>2</sub> (NEDC)	g/km	–
Emission rating		Euro 6d

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

<sup>1)</sup> Oil change

<sup>2)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

<sup>3)</sup> Limited / with optional M Driver's Package

<sup>4)</sup> Data not yet available

The fuel consumption, CO<sub>2</sub> 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 CO<sub>2</sub> 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](http://www.bmw.de/wltp).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> 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>.