

# Specifications BMW X5. X5 M50d



BMW X5 M50d		
<b>Body</b>		
No of doors/seats		5 / 5 (7) <sup>1)</sup>
Length/width/height (unladen)	mm	4886 / 1938 / 1762
Wheelbase	mm	2933
Track, front/rear	mm	1662 / 1702
Turning circle	m	12.7
Tank capacity	app ltrl	85
Cooling system incl. heater	ltr	15.4
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	2190 / 2265
Max load to DIN	kg	710
Max permissible	kg	2900
Max axle load, front/rear	kg	1370 / 1580
Max trailer load (12%), braked/unbraked	kg	2700 (3500 <sup>3)</sup> ) / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	kg	650 – 1870
Air resistance	c <sub>d</sub> x A	0.35 x 2.84
<b>Engine</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		M Performance TwinPower Turbo technology with three turbochargers, multi-stage and variable-geometry charging, Common Rail direct injection (max. injection pressure: 2200 bar)
Capacity, effective	cm <sup>3</sup>	2993
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel grade		Diesel
Max output	kW/hp	280 / 381
at	rpm	4000 – 4400
Max torque	Nm	740
at	rpm	2000 – 3000
<b>Electrical System</b>		
Battery/installation	Ah/–	105 / luggage comp
Alternator	AW	220 / 3080
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double track control arm with M-specific elastokinematics, damping and suspension tuning, small, negative steering roll radius, anti-dive
Suspension, rear		Integral-IV rear axle with M-specific elastokinematics, damping and suspension tuning, spatial suspension with anti-squat and anti-dive, air suspension with automatic self-levelling
Brakes, front		Twin-piston floating-calliper disc brakes
Diameter	mm	385 x 36 / inner-vented
Brakes, rear		Single-piston floating-calliper disc brakes
Diameter	mm	345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl. ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CB), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant; DSC linked to xDrive all-wheel- drive, Automatic Differential Brake (ADB-X), Hill Descent Control (HDC), Dynamic Damper Control; optional in conjunction with the adaptive suspension package Dynamic: active roll stabilisation, Dynamic Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, crash-activated head restraints at the front, three-point inertia-reel seatbelts on all seats with integrated belt latch tensioner and belt force limiter at the front, crash sensors, rollover sensors, Tyre Defect Indicator
Steering		Electric Power Steering (EPS) with M-specific Servotronic
Steering transmission, overall	:1	19.1
Tyres, front/rear		255/50 R19 107 W RSC / 285/45 R19 111 W RSC
Rims, front/rear		9J x 19 light-alloys / 10J x 19 light-alloys

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BMW ConnectedDrive			
Comfort		Optional: Concierge Services, Remote Services, Real Time Traffic Information, BMW TeleServices, integration of mobile devices	
Infotainment		Optional: internet access, BMW Online incl. Park Info, National Info, Google Services, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming and Online Update Music Tracks, apps	
Safety		Optional: Adaptive Headlights with turning lights, anti-dazzle High Beam Assistant, Park Distance Control, rear-view camera, Surround View, BMW Night Vision with human and animal detection and Dynamic Light Spot, Head-Up Display, Parking Assistant, Lane Change Warning, Lane Departure Warning, Collision Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call (as standard)	
Transmission			
Type of gearbox		Eight-speed automatic transmission with Steptronic	
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.8
Output per litre	kW/ltr		93.6
Acceleration	0–100 km/h	sec	5.3
	0–1000 m	sec	24.9
Top speed	km/h		250
Off-Road Specifications			
Overhang angle, front/rear			25.0 / 20.0
Ramp angle		°	20.0
Ground clearance unladen		mm	209
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, ECO PRO mode with coasting function, map-controlled oil pump, intelligent lightweight construction, optimised aerodynamic attributes, active air vents, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance, BMW BluePerformance technology	
Fuel Consumption EU			
Urban	ltr/100		7.6
Extra-urban	ltr/100		6.2
Combined	ltr/100		6.7
CO <sub>2</sub>	g/km		177
Emission rating			EU6

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight, top speed)

- 1) With optional third row of seats
- 2) Oil change
- 3) With optional increased towbar download (country-specific)