

Specifications BMW X6. X6 M50d



2/2012

Valid from
4/2012

BMW X6 M50d		
Body		
No. of doors/seats		5 / 4 (5) ¹⁾
Length/width/height (unladen)	mm	4877 / 1983 / 1699 ²⁾
Wheelbase	mm	2933
Track, front/rear	mm	1644 / 1706
Turning circle	m	12.8
Tank capacity	approx. l	85
Cooling system incl heating	l	13.0
Engine oil ³⁾	l	6.5
Weight, unladen, to DIN/EU	kg	2150 / 2225
Max load to DIN	kg	650
Max permissible weight	kg	2800
Max axle load, front/rear	kg	1350 / 1515
Max trailer load, braked (12%)/unbraked	kg	2700 (3500) ⁴⁾ / 750
Max roof load/towbar download		—
Luggage comp capacity	l	570-1450
Air drag	c _x x A	0.37 x 2.82
Engine		
Configuration/No of cyls/valves		R / 6 / 4
Engine technology		M Performance TwinPower Turbo technology with three turbochargers, multi-stage charging and variable turbine geometry, common-rail direct injection (max pressure: 2200 bar)
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel grade		Diesel
Output	kW/hp	280 / 381
at	min ⁻¹	4000-4400
Torque	Nm	740
at	min ⁻¹	2000-3000
Electrical system		
	Ah/—	105 / luggage comp
Battery/Installation	AW	180 / 2520
Alternator		
Driving dynamics and safety		
		Double track control arm with M-specific elastokinematics, damping and suspension tuning, small, negative steering roll radius, anti-dive
Suspension, front		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
Suspension, rear		Twin-piston fixed-calliper disc brakes
Brakes, front	mm	385 x 36 / vented
Diameter		Single-piston fixed-calliper disc brakes
Brakes, rear	mm	345 x 24 / vented
Diameter		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 linked with xDrive all-wheel drive through ICM (Integrated Chassis Management), Dynamic Performance Control, HDC (Hill Descent Control), Adaptive Drive
Driving stability systems		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, crash-activated head restraints at the front, three-point inertia-reel seatbelts on all seats with belt latch tensioner, belt force limiter and belt stopper at the front, crash sensors, rollover sensors, Tyre Defect Indicator
Safety equipment		Hydraulic rack-and-pinion steering with M-specific Servotronic function
Steering	:1	19.5
Steering ratio, overall		275/40 R20 106Y RSC / 315/35 R20 110Y RSC
Tyres, front/rear		10J x 20 LM / 11J x 20 LM

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BMW ConnectedDrive			
Convenience		Opt.: BMW Assist incl. Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile devices	
Infotainment		Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps	
Safety		Opt: Adaptive Headlights, Adaptive LED Headlights, High-Beam Assistant, Park Distance Control, Side View, back-up camera with Top View, BMW Head-Up Display, Active Cruise Control with Stop & Go, Speed Limit Info, Automatic/Enhanced Emergency Call	
Transmission			
Type of gearbox		Eight-speed automatic 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	7.7
Output per litre		kW/l	93.6
Acceleration 0–100 km/h		s	5.3
0–1000 m		s	24.8
Top speed		km/h	250
Offroad specifications			
Overhang angle, front/rear		°	25.1 / 25.5
Ramp angle		°	19.1
Ground clearance unladen		mm	212
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration, on-demand operation of ancillary units, intelligent lightweight construction, detachable a/c compressor	
Fuel consumption EU			
Urban		l/100km	9.0
Extra-urban		l/100km	7.0
Combined		l/100km	7.7
CO ₂		g/km	204
Emission rating			EU5

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

- 1) With optional three-seat rear bench
- 2) Height without roof aerial: 1690 mm
- 3) Oil change
- 4) With optional increased trailer load in conjunction with self-levelling incl. air suspension