

## 9. Technical specifications. BMW X6 xDrive50i.



BMW X6 xDrive50i		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4909 / 1989 / 1702
Wheelbase	mm	2933
Track, front/rear	mm	1640 / 1706
Turning circle	m	12.8
Tank capacity	approx ltr	85
Cooling system incl heater	ltr	14.9
Engine oil <sup>1)</sup>	ltr	9.0
Weight, unladen, to DIN/EU	kg	2170 / 2245
Max load to DIN	kg	715
Max permissible weight	kg	2885
Max axle load, front/rear	kg	1385 / 1570
Max trailer load (12%), braked/unbraked	kg	2700 (3500 <sup>2)</sup> / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	ltr	580 – 1525
Air resistance	$C_d \times A$	0.35 x 2.83
<b>Engine</b>		
Config/No of cyls/valves		V / 8 / 4
Engine technology	BMW TwinPower Turbo technology with two turbochargers, direct injection (High Precision Injection) and fully variable valve control (VALVETRONIC)	
Capacity, effective	cm <sup>3</sup>	4395
Stroke / bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel grade	min RON 91	
Max output	kW/hp	330 / 450
at	rpm	5500 – 6000
Max torque	Nm	650
at	rpm	2000 – 4500
<b>Electrical System</b>		
Battery/installation	Ah/–	105 / luggage comp
Alternator	A/W	210 / 2940
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double track control arm with double joint principle, small, negative steering roll radius, anti-dive	
Suspension, rear	Integral-IV rear axle, spatial suspension with anti-squat and anti-dive; optional: air suspension with automatic self-levelling	
Brakes, front	Single-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 (CBC), 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); optional in conjunction with the Comfort, Dynamic or Professional adaptive suspension packages or Adaptive M suspension: Dynamic Damper Control, 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 Servotronic; optional: Active Steering	
Steering transmission, overall	:1	19.1
Tyres, front/rear	255/50 R19 107 W XL RSC	
Rims, front/rear	9J x 19 light-alloy	

**BMW X6 xDrive50i**

**BMW ConnectedDrive**

Convenience	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, BMW Selective Beam, 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 and Pedestrian Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Traffic Jam Assistant, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call (standard)

**Transmission**

Type of gearbox	Eight-speed Steptronic sport transmission	
Gear ratios	I	:1 5.000
	II	:1 3.200
	III	:1 2.143
	IV	:1 1.720
	V	:1 1.313
	VI	:1 1.000
	VII	:1 0.823
	VIII	:1 0.640
	R	:1 3.478
Final drive		:1 3.154

**Performance**

Power-to-weight ratio (DIN)	kg/kW	6.6
Output per litre	kW/ltr	75.1
Acceleration 0–100 km/h	s	4.8
0–1000 m	s	<sup>4)</sup>
Top speed	km/h	250

**Off-Road Specifications**

Overhang angle, front/rear	°	25.0 / 22.5
Ramp angle	°	20.0
Ground clearance unladen	mm	212
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, flow rate-controlled oil pump, rpm-driven fuel 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
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**Fuel Consumption EU<sup>3)</sup>**

With standard wheels and tyres	
Urban	ltr/100 km
Extra-urban	ltr/100 km
Combined	ltr/100 km
CO <sub>2</sub>	g/km
With 9J x 19 wheels at front, 10J x 19 at rear and 255/50 R19 tyres at front, 285/45 R19 at rear	13.0
With 10J x 20 wheels at front, 11J x 20 at rear and 275/40 R20 tyres at front, 315/35 R20 at rear	7.7
Urban	ltr/100 km
Extra-urban	ltr/100 km
Combined	ltr/100 km
CO <sub>2</sub>	g/km
Emission rating	EU6

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

<sup>1)</sup> Oil change

<sup>2)</sup> With optional increased towbar download (country-specific)

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

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

## BMW X6 xDrive30d

### Body

No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4909 / 1989 / 1702
Wheelbase	mm	2933
Track, front/rear	mm	1640 / 1706
Turning circle	m	12.8
Tank capacity	approx ltr	85
Cooling system incl heater	ltr	12.6
Engine oil <sup>(1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	2065 / 2140
Max load to DIN	kg	715
Max permissible weight	kg	2780
Max axle load, front/rear	kg	1330 / 1540
Max trailer load (12%), braked/unbraked	kg	2700 (3500 <sup>(2)</sup> ) / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	ltr	580 – 1525
Air resistance	c <sub>d</sub> x A	0.32 x 2.83

### Engine

Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max injection pressure: 1800 bar)
Capacity, effective	cm <sup>3</sup>	2993
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel grade		Diesel
Max output	kW/hp	190 / 258
at	rpm	4000
Max torque	Nm	560
at	rpm	1500 – 3000

### Electrical System

Battery/installation	Ah/-	105 / luggage comp
Alternator	A/W	220 / 3080

### Driving Dynamics and Safety

Suspension, front		Double track control arm with double joint principle, small, negative steering roll radius, anti-dive
Suspension, rear		Integral-IV rear axle, spatial suspension with anti-squat and anti-dive; optional: air suspension with automatic self-levelling
Brakes, front		Single-piston floating-calliper disc brakes
Diameter	mm	332 x 30 / inner-vented
Brakes, rear		Single-piston floating-calliper disc brakes
Diameter	mm	320 x 20 / inner-vented
Driving stability systems		Standard: DSC incl. ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), 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); optional in conjunction with the Comfort, Dynamic or Professional adaptive suspension packages or Adaptive M suspension: Dynamic Damper Control, 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 Servotronic; optional: Active Steering
Steering transmission, overall	:1	19.1
Tyres, front/rear		255/50 R19 107 W XL RSC
Rims, front/rear		9J x 19 light-alloy

**BMW X6 xDrive30d**

**BMW ConnectedDrive**

Convenience	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, BMW Selective Beam, 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 and Pedestrian Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Traffic Jam Assistant, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call (standard)

**Transmission**

Type of gearbox	Eight-speed Steptronic sport transmission	
Gear ratios	I	:1 5.000
	II	:1 3.200
	III	:1 2.143
	IV	:1 1.720
	V	:1 1.313
	VI	:1 1.000
	VII	:1 0.823
	VIII	:1 0.640
	R	:1 3.478
Final drive		:1 3.154

**Performance**

Power-to-weight ratio (DIN)	kg/kW	10.9
Output per litre	kW/ltr	63.5
Acceleration 0–100 km/h	s	6.7
0–1000 m	s	<sup>4)</sup>
Top speed	km/h	230

**Off-Road Specifications**

Overhang angle, front/rear	°	25.0 / 22.5
Ramp angle	°	20.0
Ground clearance unladen	mm	212
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
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**Fuel Consumption EU<sup>3)</sup>**

With standard wheels and tyres		
Urban	ltr/100 km	6.7
Extra-urban	ltr/100 km	5.5
Combined	ltr/100 km	6.0
CO <sub>2</sub>	g/km	157
With 9J x 19 wheels at front, 10J x 19 at rear and 255/50 R19 tyres at front, 285/45 R19 at rear		
With 10J x 20 wheels at front, 11J x 20 at rear and 275/40 R20 tyres at front, 315/35 R20 at rear		
Urban	ltr/100 km	6.8
Extra-urban	ltr/100 km	5.6
Combined	ltr/100 km	6.0
CO <sub>2</sub>	g/km	159
Emission rating		EU6

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

<sup>1)</sup> Oil change

<sup>2)</sup> With optional increased towbar download (country-specific)

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

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

<b>BMW X6 M50d</b>		
<b>Body</b>		
No of doors/seats		
Length/width/height (unladen)	mm	5 / 5 4909 / 1989 / 1702
Wheelbase	mm	2933
Track, front/rear	mm	1640 / 1700
Turning circle	m	12.8
Tank capacity	approx ltr	85
Cooling system incl heater	ltr	15.4
Engine oil <sup>1)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	2185 / 2260
Max load to DIN	kg	715
Max permissible weight	kg	2900
Max axle load, front/rear	kg	1400 / 1570
Max trailer load (12%), braked/unbraked	kg	2700 (3500 <sup>2)</sup> ) / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	ltr	580 – 1525
Air resistance	$C_d \times A$	0.36 x 2.83
<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	A/W	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 (CBC), 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 Dynamic adaptive suspension package: 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 function	
Steering transmission, overall	:1	19.1
Tyres, front/rear	255/50 R19 107 W XL RSC / 285/45 R19 111 W XL RSC	
Rims, front/rear	9J x 19 light-alloy / 10J x 19 light-alloy	

**BMW X6 M50d**

**BMW ConnectedDrive**

Convenience	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, BMW Selective Beam, 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 and Pedestrian Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Traffic Jam Assistant, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call (standard)

**Transmission**

Type of gearbox	Eight-speed Steptronic sport transmission	
Gear ratios	I	:1 5.000
	II	:1 3.200
	III	:1 2.143
	IV	:1 1.720
	V	:1 1.313
	VI	:1 1.000
	VII	:1 0.823
	VIII	:1 0.640
	R	:1 3.478
Final drive		:1 3.154

**Performance**

Power-to-weight ratio (DIN)	kg/kW	7.8
Output per litre	kW/l	93.6
Acceleration 0–100 km/h	s	5.2
0–1000 m	s	<sup>3)</sup>

Top speed km/h 250

**Off-Road Specifications**

Overhang angle, front/rear	°	25.0 / 22.5
Ramp angle	°	20.0
Ground clearance unladen	mm	212
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
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**Fuel Consumption EU**

Urban	l/100km	7.2
Extra-urban	l/100km	6.3
Combined	l/100km	6.6
CO <sub>2</sub>	g/km	174
Emission rating		EU6

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

<sup>1)</sup> Oil change

<sup>2)</sup> With optional increased towbar download (country-specific)

<sup>3)</sup> Data not yet available