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Technical specifications. BMW X5. X5 xDrive50e.



		BMW X5 xDrive50e
Body		E / E
No. of doors / seats		5/5
Length/width/height (unladen)	mm	<u> </u>
Wheelbase	mm	
Track, front/rear	mm	1677 / 1698
Furning circle	m	12.6
Fuel tank capacity	approx. I	69
Weight, unladen, to DIN/EU	kg	2420 / 2495
Max. load to DIN	kg	780
Max. permissible weight	kg	3200
Max. axle load, front/rear	kg	1400 / 1875
Max. trailer load		
oraked (12%)/unbraked	kg	2700 / 750
Max. roofload/towbar download	kg	100 / 140
_uggage comp. capacity	I	500 – 1720
Air resistance	cx x A	0.33 x 2.93
Power Unit		
)rive concept		Full hybrid drive, drive torgue from
		one or both sources (petrol engine/electric motor)
		sent to all four wheels via BMW xDrive
Max. system output ¹⁾	kW/hp	360 / 490
Max. system torque ¹⁾	Nm	700
System power-to-weight ratio	kg/kW	6.7
DIN)		
Potrol Engine		
Petrol Engine Config./No. of cyls./valves		In-line / 6 / 4
Engine technology	F	BMW TwinPower Turbo technology: turbocharger,
Lighte teenhology		Precision Injection, VALVETRONIC fully variable valve
	-	timing, Double-VANOS variable camshaft timing
Effective capacity	СС	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Nominal power	kW/hp	230 / 313
at	· · · · · ·	5000 - 6500
	rpm	
Nominal torque	Nm	450
at Destaut a su litur	rpm	1750 – 4700
Output per litre	kW/I	76.7
Electric Motor		
Motor technology		<i>W</i> eDrive technology: synchronous electric motor with
		gearing stage, integrated into eight-speed Steptronic
	transm	ission, generator function for recuperating energy for the
		high-voltage battery
Nominal power	kW/hp	145 / 197
it i	rpm	7000
Nominal torque	Nm	280
at	rpm	100 – 5500
Effective torque resulting from pre-gearing	Nm	450
ligh-voltage Battery		
Storage technology / installation		Lithium-ion / underfloor
/oltage	V	238
Energy capacity (gross / net)	kWh	29.5 / 25.7
Charging time, 0–100% charge		4.5 h at 7.4 kW (32 A / 230 V, single-phase)
endigening anter of 100 /0 endige		
Fransmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	5.500
II	:1	3.520
	:1	2.200
IV	:1	1.720
V	:1	1.301
VI	:1	1.000
VI	:1	0.833
VIII	.1	0.640
R Final drive	:1	4.543
Final drive	:1	3.636

	BMW X5 xDrive50e			
Double-wishbone ax	le in aluminium construction, adaptive suspension,			
	pension with automatic self-levelling			
Five-link axle in light	weight steel construction, adaptive suspension, air			
	ension with automatic self-levelling			
Fr	our-piston fixed-calliper disc brakes			
Sing	gle-piston floating-calliper disc brakes			
Standard: DSC incl	. ABS and DTC (Dynamic Traction Control), CBC			
(Cornering Brake Co	ontrol), DBC (Dynamic Brake Control), Dry Braking			
	pensation, drive-off assistant, DSC networked with			
xDrive all-wheel-drive	system, ADB-X (Automatic Differential Brake), HDC			
	scent Control), trailer stability control			
	or driver and front passenger, side airbags for driver			
	r, head airbags for front and rear seats, three-point			
	ts on all seats with belt stopper, belt tensioner and			
belt force limiter i	n the front, crash sensors, tyre pressure indicator			
	Electric Power Steering (EPS)			
	onic function; optional: Integral Active Steering			
:1	17.6			
	265/50 R19 110W XL			
	9J x 19 light-alloy			
S	4.8			
km/h	250			
km/h	140			
km	94 – 110			
0	25.2 / 22.3			
0	20.2			
mm	214			
mm	500			
	air sus Five-link axle in light suspe Fi Standard: DSC incl (Cornering Brake Co function, fading comp xDrive all-wheel-drive (Hill De Standard: airbags fo and front passenge inertia-reel seatbel belt force limiter i with Servotr :1 S km/h km/h km/h km m			

BMW EfficientDynamics

BMW EfficientDynamics standard features

BMW eDrive technology, adaptive Brake Energy Regeneration with recuperation display, Electric Power Steering, hybrid-specific Automatic Start Stop function, Optimum Shift Indicator, COMFORT and ECO PRO modes with coasting 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, differential with optimised warm-up behaviour, tyres with reduced rolling resistance

Fuel Consumption ECE		
Fuel consump. weighted comb. (WLTP)) I/100 km	1.1 – 0.8
Fuel consump weighted comb. (NEDC)	l/100 km	-
CO ₂ emissions from fuel (WLTP)	g/km	26 – 18
CO ₂ emissions from fuel (NEDC)	g/km	-
Elec. power cons. weighted comb.	kWh/100 km	27.0 – 22.9
Elec. power cons. weighted comb.	kWh/100 km	-
Emission rating		Euro 6d

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

¹⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

The fuel consumption, CO_2 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_2 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.

BMW X5. X5 xDrive40i.

		BMW X5 xDrive40i
De de		
Body No. of doors / seats		E / E (7) 1)
		<u>5 / 5 (7) ¹⁾</u>
Length/width/height (unladen)	mm	4935 / 2004 / 1765
Wheelbase	mm	2975
Track, front/rear	mm	1677 / 1698
Turning circle	m	12.6
	approx. l	83
Engine oil ²⁾		4)
Weight, unladen, to DIN/EU	kg	2165 / 2240
Max. load to DIN	kg	720
Max. permissible weight	kg	2885
Max. axle load, front/rear	kg	1350 / 1680
Max. trailer load		
braked (12%)/unbraked	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
	<u> </u>	
Luggage comp. capacity		650 - 1870
Air resistance	cx x A	0.33 x 2.93
Power Unit		
Engine technology		BMW TwinPower Turbo technology: turbocharger, 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 3)	kW/hp	280 / 380
Max. torque, overall ³⁾	Nm	540
		510
Petrol Engine		
Config./No. of cyls./valves		In-line / 6 / 4
		2998
Effective capacity	CC	
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Nominal power	kW/hp	280 / 380
at	rpm	5200 – 6250
Nominal torque	Nm	520
at	rpm	1850 – 5000
Output per litre	kW/I	93.4
	KVV/1	55.7
Electric Motor		
Nominal power	kW/hp	9 / 12
Nominal torque	Nm	200
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	20 / engine compartment
Driving Dynamics and Safety		
Suspension, front	I	Double-wishbone axle in aluminium construction, adaptive suspensior optional: adaptive M suspension, air suspension with automatic self- levelling
Suspension, rear		Five-link axle in lightweight steel construction, adaptive suspension; optional: adaptive M suspension, air suspension with automatic self- levelling
Brakes, front		Four-piston fixed-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems	I	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, DSC networked wit xDrive all-wheel-drive system, ADB-X (Automatic Differential Brake), HDC (Hill Descent Control), trailer stability control; optional: active roll stabilisation, M Sport differential
Safety equipment		Standard: airbags for driver and front passenger, side airbags for drive and front passenger, head airbags for front and rear seats, three-poin 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 Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	17.6
Tyres, front/rear		265/50 R19 110W XL

		BMW X5 xDrive40i
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios	l :1	5.250
	II :1	3.360
	III :1	2.172
	IV :1	1.720
	V :1	1.316
	VI :1	1.000
	VII :1	0.822
	VIII :1	0.640
	R :1	3.712
Final drive	:1	3.385
Performance		
Power-to-weight ratio (DIN	l) kg/kW	7.7
Acceleration 0–100 km	ı/h s	5.4
Top speed	km/h	250
Off-road Characteristics		
Angle of approach/departu	ire °	25.2 / 22.3
Breakover angle	0	20.2
Ground clearance (unlader	ı) mm	214
Fording depth (at 7 km/h)	mm	500

BMW EfficientDynamics

BMW EfficientDynamics standard features 48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Automatic Start/Stop function, COMFORT and ECO PRO modes with coasting function, Proactive Driving Assistant, 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, tyres with reduced rolling resistance

Fuel Consumption ECE			
Combined (WLTP)	I/100	9.9 – 8.5	
Combined (NEDC)	1/100	-	
CO ₂ (WLTP)	g/km	224 – 193	
CO ₂ (NEDC)	g/km	_	
Emission rating		Euro 6d	

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

¹⁾ With optional third row of seats

²⁾ Oil change

³⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure) ⁴⁾ Data not yet available

The fuel consumption, CO_2 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_2 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.

BMW X5. X5 M60i xDrive.

Rims, front/rear

		BMW X5 M60i xDrive
Body		
No. of doors / seats		5/5
Length/width/height (unladen)	mm	4935 / 2004 / 1765
Wheelbase	mm	2975
Track, front/rear	mm	1679 / 1688
Turning circle	m	12.0
Fuel tank capacity	approx. l	83
Engine oil 1)	I	3)
Weight, unladen, to DIN/EU	kg	2345 / 2420
Max. load to DIN	kg	720
Max. permissible weight	kg	3065
Max. axle load, front/rear	kg	1430 / 1680
Max. trailer load		
braked (12%)/unbraked	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity		650 – 1870
Air resistance	cx x A	0.36 x 2.93
Power Unit Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold: tv twin-scroll turbochargers, High Precision Injection, VALVETRONIC ful variable valve timing, Double-VANOS variable camshaft timing, 48V
		mild hybrid technology using an electric motor integrated into the transmission
Max. output, overall ²⁾	kW/hp	390 / 530
Max. torque, overall ²⁾	Nm	
Petrol Engine		
Config./No. of cyls./valves		V/8/4
Effective capacity	сс	4395
Stroke/bore		
		88.3 / 89.0
Compression ratio	:1	10.5 Min DON 01
Fuel	1.1.0 <i>1 /</i> l= .=	Min. RON 91
Nominal power	kW/hp	390 / 530
at	rpm	5500 - 6000
Nominal torque	Nm	750
at	rpm	
Output per litre	kW/I	88.7
Electric Motor		
Nominal power	kW/hp	9/12
Nominal torque	Nm	200
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/–	20 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction, adaptive M suspension; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction, adaptive M suspension optional: air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC
Shring stability systems		(Cornering Brake Control), DBC (Dynamic Fraction Control), Dry Brakin function, fading compensation, drive-off assistant, DSC networked wi xDrive all-wheel-drive system, ADB-X (Automatic Differential Brake) HDC (Hill Descent Control), trailer stability control, M Sport differentic optional: active roll stabilisation
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driv and front passenger, head airbags for front and rear seats, three-poir 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 Servotronic function, Integral Active Steering
Steering ratio overall	:1	17.6
Steering ratio, overall Tyres, front/rear	:1	275/40 R21 107Y XL / 315/35 R21 111Y XL
Rims, front/rear		9.5J x 21 light-alloy / 10.5J x 21 light-alloy

9.5J x 21 light-alloy / 10.5J x 21 light-alloy

			BMW X5 M60i xDrive
Transmission			
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.501
		:1	3.520
		: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
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	6.0
Acceleration	0–100 km/h	S	4.3
Top speed		km/h	250
Off-road Chara	cteristics		
Angle of approc	ach/departure	0	25.2 / 22.3
Breakover angl		0	20.2
Ground clearan		mm	214
Fording depth (at 7 km/h)	mm	500

BMW EfficientDynamics BMW EfficientDynamics

standard features

48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Automatic Start/Stop function, COMFORT and ECO PRO modes with coasting function, Proactive Driving Assistant, 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, tyres with reduced rolling resistance

Fuel Consumption ECE			
Combined (WLTP)	I/100	12.5 – 11.5	
Combined (NEDC)	I/100	-	
CO ₂ (WLTP)	g/km	283 – 261	
CO ₂ (NEDC)	g/km	-	
Emission rating		Euro 6d	

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¹⁾ Oil change

²⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure) ³⁾ Data not yet available

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BMW X5. X5 xDrive30d.

		BMW X5 xDrive30d
Body		
No. of doors / seats		5 / 5 (7) ¹⁾
Length/width/height (unladen)	mm	4935 / 2004 / 1765
Wheelbase	mm	2975
Track, front/rear	mm	1677 / 1698
Turning circle	m	12.6
Fuel tank capacity	approx. I	80
Engine oil 2)	I	4)
Weight, unladen, to DIN/EU	kg	2220 / 2295
Max. load to DIN	kg	730
Max. permissible weight	kg	2950
Max. axle load, front/rear	kg	1360 / 1680
Max. trailer load		
braked (12%)/unbraked	kg	3500 / 750
Max. roofload/towbar download	kg	100 / 140
Luggage comp. capacity		650 – 1870
Air resistance	cx x A	0.33 x 2.93
Power Unit		
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rai direct injection with solenoid injectors (max. injection pressure: 2500 bar), 48V mild hybrid technology using an electric motor integrated into the transmission
Max. output, overall ³⁾	kW/hp	219 / 298
Max. torque, overall ³⁾	Nm	670
		0,0
Diesel Engine		
Config./No. of cyls./valves		In-line / 6 / 4
Effective capacity	cc	2993
Stroke/bore		90.0 / 84.0
Compression ratio	:1	16.5
Fuel	111/1	Diesel
Nominal power	kW/hp	210/286
at	rpm	4000
Nominal torque	Nm	650
	rpm	1500 – 2500
Output per litre	kW/I	70.2
Electric Motor		
Nominal power	kW/hp	9 / 12
Nominal torque	Nm	200
	INITI	200
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	20 / engine compartment
	AII/-	
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction, adaptive suspension optional: adaptive M suspension, air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction, adaptive suspension; optional: adaptive M suspension, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, DSC networked wil xDrive all-wheel-drive system, ADB-X (Automatic Differential Brake) HDC (Hill Descent Control), trailer stability control; optional: active rol stabilisation, M Sport differential
Safety equipment		Standard: airbags for driver and front passenger, side airbags for drive and front passenger, head airbags for front and rear seats, three-poir 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 Servotronic function; optional: Integral Active Steering
Steering Steering ratio, overall Tyres, front/rear	:1	

		BMW X5 xDrive30d
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios	1 :1	5.501
	: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	2.929
Performance		
Power-to-weight ratio (DI	N) kg/kW	10.1
Acceleration 0–100 kn	n/h s	6.1
Top speed	km/h	233
Off-road Characteristics		
Angle of approach/departu	ure °	25.2 / 22.3
Breakover angle	0	20.2
Ground clearance (unlader	n) mm	214
Fording depth (at 7 km/h)	mm	500
BMW EfficientDynamics		
DMM/ CffielestDumenting		(O) (wild be devid to share leave. Busice Frances, Descentions with

BMW EfficientDynamics standard features

48V mild hybrid technology, Brake Energy Regeneration with recuperation display, Automatic Start/Stop function, COMFORT and ECO PRO modes with coasting function, Proactive Driving Assistant, 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, tyres with reduced rolling resistance,

BMW Blue Performance technology with SCR catalytic converter

Fuel Consumption ECE			
Combined (WLTP)	I/100	8.2 – 7.1	
Combined (NEDC)	1/100	-	
CO ₂ (WLTP)	g/km	215 – 186	
CO ₂ (NEDC)	g/km	-	
Emission rating		Euro 6d	

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

¹⁾ With optional third row of seats

^{2]} Oil change

³⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure) ⁴⁾ Data not yet available

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Exterior and interior dimensions. BMW X5.





The dimensions indicated in the technical drawing are in millimetres and may vary depending on the model and the items of optional equipment fitted.