

# Specifications.

## BMW X5.

### X5 xDrive40i.



BMW X5 xDrive40i		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1666 / 1685
Turning circle	m	12.6
Fuel tank capacity	approx. l	83
Engine oil <sup>1)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	2100 / 2175
Max load to DIN	kg	740
Max permissible weight	kg	2840
Max axle load, front/rear	kg	1320 / 1670
Max trailer load, braked (12%/unbraked)	kg	3500 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	650 – 1870
Air resistance	c <sub>d</sub> x A	0.32 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Max output	kW/hp	245 / 333
at	rpm	5500 – 6250
Max torque	Nm	450
at	rpm	1600 – 4800
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction; optional: air suspension with automatic self-levelling
Brakes, front		Single-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive suspension; optional: Adaptive M suspension, active roll stabilisation, M Sport differential
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		255/55 R18 109W XL
Rims, front/rear		8.5J x 18 light-alloy

<b>BMW X5 xDrive40i</b>			
<b>Transmission</b>			
Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	: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
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		8.6
Output per litre	kW/l		81.7
Acceleration 0–100 km/h	s		5.7
Top speed	km/h		243
<b>Off-road characteristics</b>			
Angle of approach/departure	°		25.2 / 22.3
Breakover angle	°		20.2
Ground clearance when unladen	mm		214
Fording depth (at 7 km/h)	mm		500
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode 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		
<b>Fuel Consumption ECE</b>			
Urban (NEDC)	l/100 km		10.1 – 9.5
Extra-urban (NEDC)	l/100 km		7.4 – 6.7
Combined (NEDC)	l/100 km		8.4 – 7.7
Combined (WLTP)	l/100 km		10.7 – 8.9
CO <sub>2</sub> (NEDC)	g/km		192 – 176
CO <sub>2</sub> (WLTP)	g/km		244 – 204
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

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW X5. X5 M50i.

<b>BMW X5 M50i</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1680 / 1688
Turning circle	m	12.6
Fuel tank capacity	approx. l	83
Engine oil <sup>1)</sup>	l	10.5
Weight, unladen, to DIN/EU	kg	2260 / 2335
Max load to DIN	kg	735
Max permissible weight	kg	2995
Max axle load, front/rear	kg	1430 / 1645
Max trailer load, braked (12%/unbraked)	kg	3500 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	650 – 1870
Air resistance	c <sub>d</sub> x A	0.35 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		V / 8 / 4
Engine technology		BMW TwinPower Turbo technology: two TwinScroll turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		Min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
<b>Electrical System</b>		
Battery/installation	Ah/-	80 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction; optional: air suspension with automatic self-levelling
Brakes, front		Four piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive M suspension; optional: active roll stabilisation, M Sport differential
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		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

**BMW X5 M50i**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	3.154

**Performance**

Power-to-weight ratio (DIN)	kg/kW	5.8
Output per litre	kW/l	88.7
Acceleration 0–100 km/h	s	4.3
Top speed	km/h	250

**Off-road characteristics**

Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance when unladen	mm	214
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, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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
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**Fuel Consumption ECE**

Urban (NEDC)	l/100 km	14.8 – 14.4
Extra-urban (NEDC)	l/100 km	8.8 – 8.5
Combined (NEDC)	l/100 km	10.9 – 10.5
Combined (WLTP)	l/100 km	12.3 – 11.5
CO <sub>2</sub> (NEDC)	g/km	251 – 242
CO <sub>2</sub> (WLTP)	g/km	281 – 263
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

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW X5. X5 xDrive45e.

<b>BMW X5 xDrive45e</b>			
<b>Body</b>			
No of doors/seats		5 / 5	
Length/width/height (unladen)	mm	4922 / 2004 / 1745	
Wheelbase	mm	2975	
Track, front/rear	mm	1678 / 1698	
Turning circle	m	12.6	
Fuel tank capacity	approx. l	69	
Engine oil <sup>1)</sup>	l	6.5	
Weight, unladen, to DINEU	kg	2435 / 2510	
Max load to DIN	kg	715	
Max permissible weight	kg	3150	
Max axle load, front/rear	kg	1390 / 1810	
Max trailer load, braked (12%/unbraked)	kg	2700 / 750	
Max roofload/max towbar download	kg	100 / 140	
Luggage comp capacity	l	500 – 1720	
Air resistance	$c_d \times A$	0,32 x 2,90	
<b>Power Unit</b>			
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or both transmitted to all four wheels via BMW xDrive	
Max system output	kW/hp	290 / 394	
Max system torque	Nm	600	
System power-to-weight ratio (DIN)	kg/kW	8.4	
<b>Petrol Engine</b>			
Config/No of cyls/valves		In-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing	
Effective capacity	cc	2998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	11.0	
Fuel		min. RON 91	
Max output	kW/hp	210 / 286	
at	rpm	5000 – 6000	
Max torque	Nm	450	
at	rpm	1600 – 3500	
Output per litre	kWh/l	70.1	
<b>Electric Motor</b>			
Motor technology		BMW eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Max output	kW/hp	83 / 113	
at	rpm	3170	
Max torque	Nm	265	
at	rpm	100 – 2500	
<b>High-voltage Battery</b>			
Storage technology/installation		Lithium-ion / underneath rear seats	
Voltage	V	354	
Energy capacity (gross / net)	kWh	24.0 / 22.3	
Charging time for 100% charge		7.1 h at 3.7 kW (16 A / 230 V)	
<b>Transmission</b>			
Type of transmission		Eight-speed Steptronic transmission	
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	3.636

**BMW X5 xDrive45e**

**Driving Dynamics and Safety**

Suspension, front	Double-wishbone axle in aluminium construction, air suspension with automatic self-levelling	
Suspension, rear	Five-link axle in lightweight steel construction, air suspension with automatic self-levelling	
Brakes, front	Single-piston fixed-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive suspension	
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS); optional: Integral Active Steering	
Steering ratio, overall	:1	18.7
Tyres, front/rear	265/50 R19 110W XL	
Rims, front/rear	9J x 19 light-alloy	

**Performance**

Acceleration	0–100 km/h	s	5.6
Top speed		km/h	235
Top speed (electric)		km/h	135
Electric range (WLTP)		km	77 – 88

**Off-road characteristics**

Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance when unladen	mm	214
Fording depth (at 7 km/h)	mm	500

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode 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, electric a/c compressor, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
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**Consumption ECE**

Fuel consumption, weighted combined (NEDC)	l/100 km	2.1 – 1.6
Fuel consumption, weighted combined (WLTP)	l/100 km	1.7 – 1.2
CO <sub>2</sub> emissions from fuel (NEDC)	g/km	47 – 37
CO <sub>2</sub> emissions from fuel (WLTP)	g/km	39 – 27
Electric power consumption, weighted combined (NEDC)	kWh/100 km	25.2 – 23.5
Electric power consumption, weighted combined (WLTP)	kWh/100 km	27.7 – 24.3
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

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW X5. X5 xDrive25d.

<b>BMW X5 xDrive25d</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1666 / 1685
Turning circle	m	12.6
Fuel tank capacity	approx. l	80
Engine oil <sup>1)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	2070 / 2145
Max load to DIN	kg	750
Max permissible weight	kg	2820
Max axle load, front/rear	kg	1285 / 1610
Max trailer load, braked (12%/unbraked)	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	650 – 1870
Air resistance	c <sub>d</sub> x A	0.31 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	170 / 231
at	rpm	4400
Max torque	Nm	450
at	rpm	1500 – 3000
<b>Electrical System</b>		
Battery/installation	Ah/-	90 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction; optional: air suspension with automatic self-levelling
Brakes, front		Single-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive suspension; optional: Adaptive M suspension
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		255/55 R18 109W XL
Rims, front/rear		8.5J x 18 light-alloy

**BMW X5 xDrive25d**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	: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)	kg/kW	12.2
Output per litre	kW/l	85.2
Acceleration 0–100 km/h	s	7.5
Top speed	km/h	222

**Off-road characteristics**

Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance when unladen	mm	214
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, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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 including SCR catalytic converter
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**Fuel Consumption ECE**

Urban (NEDC)	l/100 km	6.5 – 6.0
Extra-urban (NEDC)	l/100 km	6.0 – 5.3
Combined (NEDC)	l/100 km	6.2 – 5.6
Combined (WLTP)	l/100 km	8.3 – 7.0
CO <sub>2</sub> (NEDC)	g/km	163 – 147
CO <sub>2</sub> (WLTP)	g/km	217 – 184
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

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All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).



# BMW X5. X5 xDrive30d.

<b>BMW X5 xDrive30d</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1666 / 1685
Turning circle	m	12.6
Fuel tank capacity	approx. l	80
Engine oil <sup>1)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	2190 / 2265
Max load to DIN	kg	750
Max permissible weight	kg	2940
Max axle load, front/rear	kg	1375 / 1665
Max trailer load, braked (12%/unbraked)	kg	3500 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	650 – 1870
Air resistance	c <sub>d</sub> x A	0.32 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210 / 286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction; optional: air suspension with automatic self-levelling
Brakes, front		Single-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive suspension; optional: Adaptive M suspension, active roll stabilisation, M Sport differential
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		255/55 R18 109W XL
Rims, front/rear		8.5J x 18 light-alloy

**BMW X5 xDrive30d**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.929

**Performance**

Power-to-weight ratio (DIN)	kg/kW	10.4
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	6.1
Top speed	km/h	235

**Off-road characteristics**

Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance when unladen	mm	214
Fording depth (at 7 km/h)	mm	500

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode 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
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**Fuel Consumption ECE**

Urban (NEDC)	l/100 km	7.3 – 6.7
Extra-urban (NEDC)	l/100 km	5.6 – 5.1
Combined (NEDC)	l/100 km	6.2 – 5.7
Combined (WLTP)	l/100 km	8.0 – 6.6
CO <sub>2</sub> (NEDC)	g/km	164 – 150
CO <sub>2</sub> (WLTP)	g/km	210 – 173
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

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO<sub>2</sub> emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.com/wltp](http://www.bmw.com/wltp).

# BMW X5. X5 xDrive40d.

<b>BMW X5 xDrive40d</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1666 / 1685
Turning circle	m	12.6
Fuel tank capacity	approx. l	80
Engine oil <sup>1)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	2200 / 2275
Max load to DIN	kg	740
Max permissible weight	kg	2940
Max axle load, front/rear	kg	1375 / 1635
Max trailer load, braked (12%/unbraked)	kg	3500 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	650 – 1870
Air resistance	c <sub>d</sub> x A	0.31 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	250 / 340
at	rpm	4400
Max torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling
Suspension, rear		Five-link axle in lightweight steel construction; optional: air suspension with automatic self-levelling
Brakes, front		Single-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
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, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, ADB-X (Active Differential Brake), HDC (Hill Descent Control), Adaptive suspension; optional: Adaptive M suspension, active roll stabilisation, M Sport differential
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 stopper, belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS); optional: Integral Active Steering
Steering ratio, overall	:1	18.7
Tyres, front/rear		255/55 R18 109W XL
Rims, front/rear		8.5J x 18 light-alloy

**BMW X5 xDrive40d**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	3.077

**Performance**

Power-to-weight ratio (DIN)	kg/kW	8.8
Output per litre	kW/l	83.5
Acceleration 0–100 km/h	s	5.5
Top speed	km/h	245

**Off-road characteristics**

Angle of approach/departure	°	25.2 / 22.3
Breakover angle	°	20.2
Ground clearance when unladen	mm	214
Fording depth (at 7 km/h)	mm	500

**BMW EfficientDynamics**

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**Fuel Consumption ECE**

Urban (NEDC)	l/100 km	7.7 – 7.0
Extra-urban (NEDC)	l/100 km	5.8 – 5.3
Combined (NEDC)	l/100 km	6.5 – 5.9
Combined (WLTP)	l/100 km	8.1 – 6.9
CO <sub>2</sub> (NEDC)	g/km	172 – 156
CO <sub>2</sub> (WLTP)	g/km	213 – 180
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

Fuel consumption, CO<sub>2</sub> emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

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