

# Specifications.

## BMW X5.

### X5 xDrive40i.



BMW X5 xDrive40i		
<b>Body</b>		
No of doors/seats		5 / 5 (7) <sup>1)</sup>
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>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	2060 / 2135 (2135 / 2210) <sup>1)</sup>
Max load to DIN	kg	765 (895) <sup>1)</sup>
Max permissible weight	kg	2800 / 3010 <sup>1)</sup>
Max axle load, front/rear	kg	1280 / 1580 (1315 / 1825) <sup>1)</sup>
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	0.32 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 87
Max output	kW/hp	250 / 340
at	rpm	5500 – 6500
Max torque	Nm	450
at	rpm	1500 – 5200
<b>Electrical System</b>		
Battery/installation	Ah/-	92 / 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), Dynamic Damper Control; optional: active roll stabilisation, electronically controlled rear differential lock
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 xDrive40i**

**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	8.2 (8.5) <sup>1)</sup>
Output per litre	kW/l	83.4
Acceleration 0–100 km/h	s	5.5
Top speed	km/h	243

**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 mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency- and weight-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance
-----------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Fuel Consumption ECE**

Urban	l/100 km	10.6 – 10.4
Extra-urban	l/100 km	7.5 – 7.4
Combined	l/100 km	8.7 – 8.5
CO <sub>2</sub>	g/km	197 – 193
Emission rating		EU6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
All technical specifications are provisional

- <sup>1)</sup> With optional third seat row  
<sup>2)</sup> Oil change

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

# BMW X5. X5 xDrive30d.

<b>BMW X5 xDrive30d</b>		
<b>Body</b>		
No of doors/seats		5 / 5 (7) <sup>1)</sup>
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>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	2110 / 2185 (2185 / 2260) <sup>1)</sup>
Max load to DIN	kg	770 (905) <sup>1)</sup>
Max permissible weight	kg	2860 (3090) <sup>1)</sup>
Max axle load, front/rear	kg	1320 / 1615 (1340 / 1870) <sup>1)</sup>
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 / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	195 / 265
at	rpm	4000
Max torque	Nm	620
at	rpm	2000 – 2500
<b>Electrical System</b>		
Battery/installation	Ah/-	92 / 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), Dynamic Damper Control; optional: active roll stabilisation, electronically controlled rear differential lock
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 xDrive30d</b>			
<b>Transmission</b>			
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
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		10.8 (11.2) <sup>1)</sup>
Output per litre	kW/l		65.2
Acceleration 0–100 km/h	s		6.5
Top speed	km/h		230
<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	Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency- and weight-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		7.5 – 6.8
Extra-urban	l/100 km		6.2 – 5.6
Combined	l/100 km		6.7 – 6.0
CO <sub>2</sub>	g/km		175 – 158
Emission rating			EU6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
All technical specifications are provisional

- <sup>1)</sup> With optional third seat row  
<sup>2)</sup> Oil change

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

# BMW X5. X5 M50d.

<b>BMW X5 M50d</b>		
<b>Body</b>		
No of doors/seats		5 / 5 (7) <sup>1)</sup>
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1680 / 1687
Turning circle	m	12.6
Fuel tank capacity	approx. l	80
Engine oil <sup>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	2275 / 2350 (2350 / 2425) <sup>1)</sup>
Max load to DIN	kg	820 (880) <sup>1)</sup>
Max permissible weight	kg	3010 (3160) <sup>1)</sup>
Max axle load, front/rear	kg	1395 / 1670 (1405 / 1865) <sup>1)</sup>
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	0.32 x 2.90
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		M Performance TwinPower Turbo technology: multi-stage turbocharging with four turbochargers (two turbochargers for the high-pressure stage and two for the low-pressure stage), high-pressure turbochargers with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Max output	kW/hp	294 / 400
at	rpm	4400
Max torque	Nm	760
at	rpm	2000 – 3000
<b>Electrical System</b>		
Battery/installation	Ah/-	92 / 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), Dynamic Damper Control; optional: active roll stabilisation, electronically controlled rear differential lock
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 M50d**

**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	7.7 (8.0) <sup>1)</sup>
Output per litre	kW/l	98.2
Acceleration 0–100 km/h	s	5.2
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 mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, efficiency- and weight-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour, BMW Blue Performance technology including SCR catalytic converter
-----------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Fuel Consumption ECE**

Urban	l/100 km	8.1 – 7.6
Extra-urban	l/100 km	6.7 – 6.3
Combined	l/100 km	7.2 – 6.8
CO <sub>2</sub>	g/km	189 – 179
Emission rating		EU6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
All technical specifications are provisional

- <sup>1)</sup> With optional third seat row  
<sup>2)</sup> Oil change

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.