Technical specifications.
The new BMW X5.
X5 xDrive40i.

		BMW X5 xDrive40i
Body		
No of doors/seats		5 / 5 (7) [1]
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 [2]	l	6.5
Weight, unladen, to DIN/EU	kg	2060 / 2135 (2135 / 2210) [1]
Max load to DIN	kg	765 (895) [1]
Max permissible weight	kg	2800 / 3010 [1]
Max axle load, front/rear	kg	1280 / 1580 (1315 / 1825) [1]
Max trailer load, braked (12%)/unbraked	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	845 – 1860
Air resistance	c_d x A	0.32 x 2.90
Power Unit		
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
Electrical System		
Battery/installation	Ah/–	92 / luggage compartment
Driving Dynamics and Safety		
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) [1]
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 [3]			
Urban		l/100 km	[4]
Extra-urban		l/100 km	[4]
Combined		l/100 km	8.8 – 8.5
CO_2		g/km	200 – 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

[1] With optional third seat row
[2] Oil change
[3] Fuel consumption and CO_2 emissions depend on the selected tyre format
[4] Figures not yet available

The fuel consumption, CO_2 emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values for the vehicles marked * are already based on the new WLTP test cycle and have been translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO_2 emissions, the CO_2 values may differ from the values stated here (depending on national legislation).

The CO_2 efficiency specifications are determined according to Directive 1999/94/EC and the latest version of the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO_2 values as per the NEDC cycle.

Further information on official fuel consumption figures and specific CO_2 emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO_2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at https://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html.

The new BMW X5.
X5 xDrive50i.
(Not available in Europe)

		BMW X5 xDrive50i
Body		
No of doors/seats		5 / 5
Length/width/height (unladen)	mm	4922 / 2004 / 1745
Wheelbase	mm	2975
Track, front/rear	mm	1678 / 1697
Turning circle	m	12.6
Fuel tank capacity	approx. l	83
Engine oil [1)]	l	10.5
Weight, unladen, to DIN/EU	kg	2286 / 2361
Max load to DIN	kg	765
Max permissible weight	kg	2930
Max axle load, front/rear	kg	1410 / 1605
Max trailer load, braked (12%)/unbraked	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	845 – 1860
Air resistance	c_d x A	0.32 x 2.90
Power Unit		
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 control
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		Min. RON 91
Max output	kW/hp	340 / 462
at	rpm	5250 – 6000
Max torque	Nm	650
at	rpm	1500 – 4750
Electrical System		
Battery/installation	Ah/–	105 / luggage compartment
Driving Dynamics and Safety		
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		265/50 R19 110W XL
Rims, front/rear		9J x 19 light-alloy

			BMW X5 xDrive50i
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	6.7
Output per litre		kW/l	77.4
Acceleration	0–100 km/h	s	4.7
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, tyres with reduced rolling resistance
Fuel Consumption ECE			
Urban		l/100 km	15.6
Extra-urban		l/100 km	9.2
Combined		l/100 km	11.6
CO_2		g/km	264
Emission rating			–

All technical specifications are provisional

[1] Oil change

The fuel consumption, CO_2 emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values for the vehicles marked * are already based on the new WLTP test cycle and have been translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO_2 emissions, the CO_2 values may differ from the values stated here (depending on national legislation).

The CO_2 efficiency specifications are determined according to Directive 1999/94/EC and the latest version of the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO_2 values as per the NEDC cycle.

Further information on official fuel consumption figures and specific CO_2 emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO_2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at https://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html.

The new BMW X5.
X5 xDrive30d.

		BMW X5 xDrive30d
Body		
No of doors/seats		5 / 5 (7) [1]
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 [2]	l	6.5
Weight, unladen, to DIN/EU	kg	2110 / 2185 (2185 / 2260) [1]
Max load to DIN	kg	770 (905) [1]
Max permissible weight	kg	2860 (3090) [1]
Max axle load, front/rear	kg	1320 / 1615 (1340 / 1870) [1]
Max trailer load, braked (12%)/unbraked	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	845 – 1860
Air resistance	c_d x A	0.31 x 2.90
Power Unit		
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
Electrical System		
Battery/installation	Ah/–	92 / luggage compartment
Driving Dynamics and Safety		
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 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	10.8 (11.2) [1]
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	6.5
Top speed		km/h	230
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, BMW Blue Performance technology
Fuel Consumption ECE [3]			
Urban		l/100 km	7.7 – 6.8
Extra-urban		l/100 km	6.3 – 5.6
Combined		l/100 km	6.8 – 6.0
CO_2		g/km	179 – 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

[1] With optional third seat row
[2] Oil change
[3] Fuel consumption and CO_2 emissions depend on the selected tyre format

The fuel consumption, CO_2 emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

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The CO_2 efficiency specifications are determined according to Directive 1999/94/EC and the latest version of the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO_2 values as per the NEDC cycle.

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The new BMW X5.
X5 M50d.

		BMW X5 M50d
Body		
No of doors/seats		5 / 5 (7) [1]
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 [2]	l	6.5
Weight, unladen, to DIN/EU	kg	2275 / 2350 (2350 / 2425) [1]
Max load to DIN	kg	820 (880) [1]
Max permissible weight	kg	3010 (3160) [1]
Max axle load, front/rear	kg	1395 / 1670 (1405 / 1865) [1]
Max trailer load, braked (12%)/unbraked	kg	2700 / 750
Max roofload/max towbar download	kg	100 / 140
Luggage comp capacity	l	845 – 1860
Air resistance	c_d x A	0.32 x 2.90
Power Unit		
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
Electrical System		
Battery/installation	Ah/–	92 / luggage compartment
Driving Dynamics and Safety		
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) [1]
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
Fuel Consumption ECE [3]			
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_2		g/km	190 – 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

[1] With optional third seat row
[2] Oil change
[3] Fuel consumption and CO_2 emissions depend on the selected tyre format

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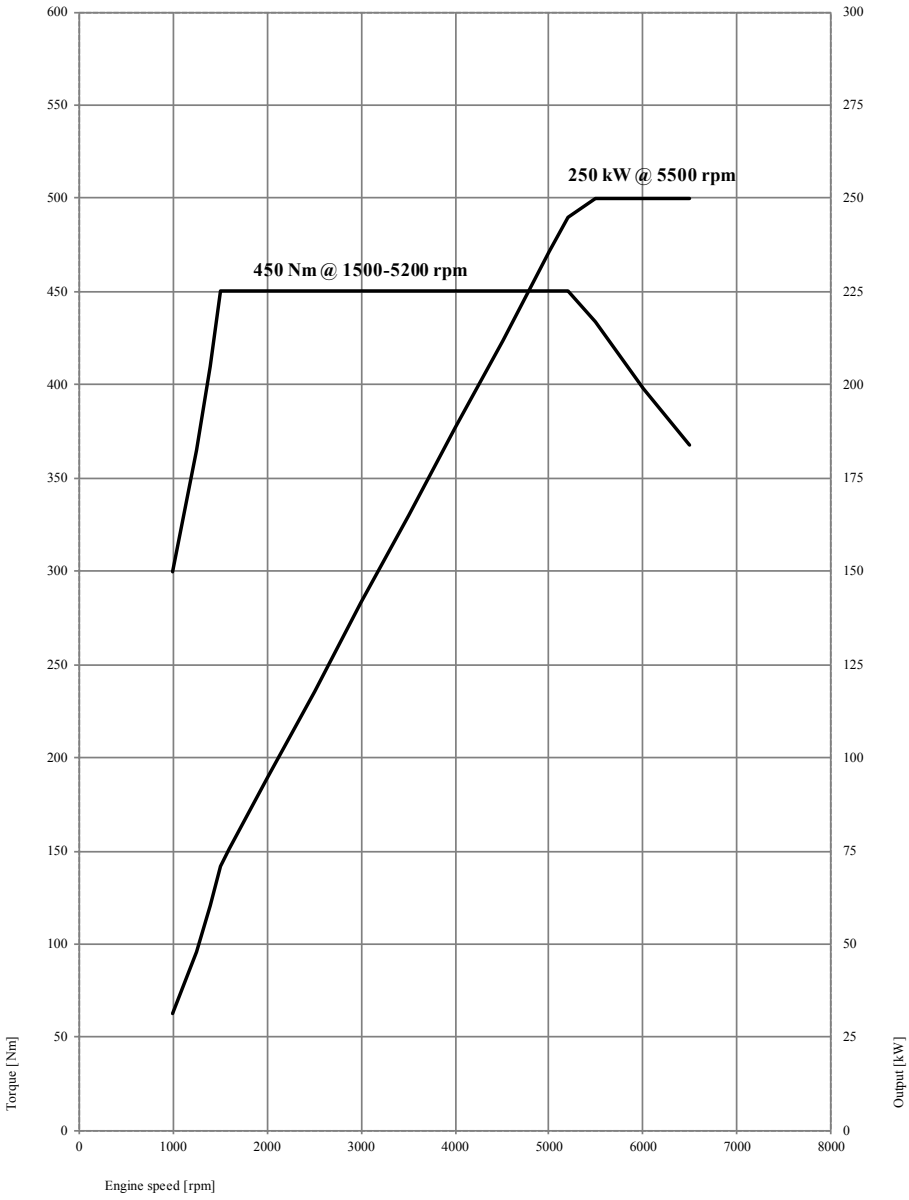
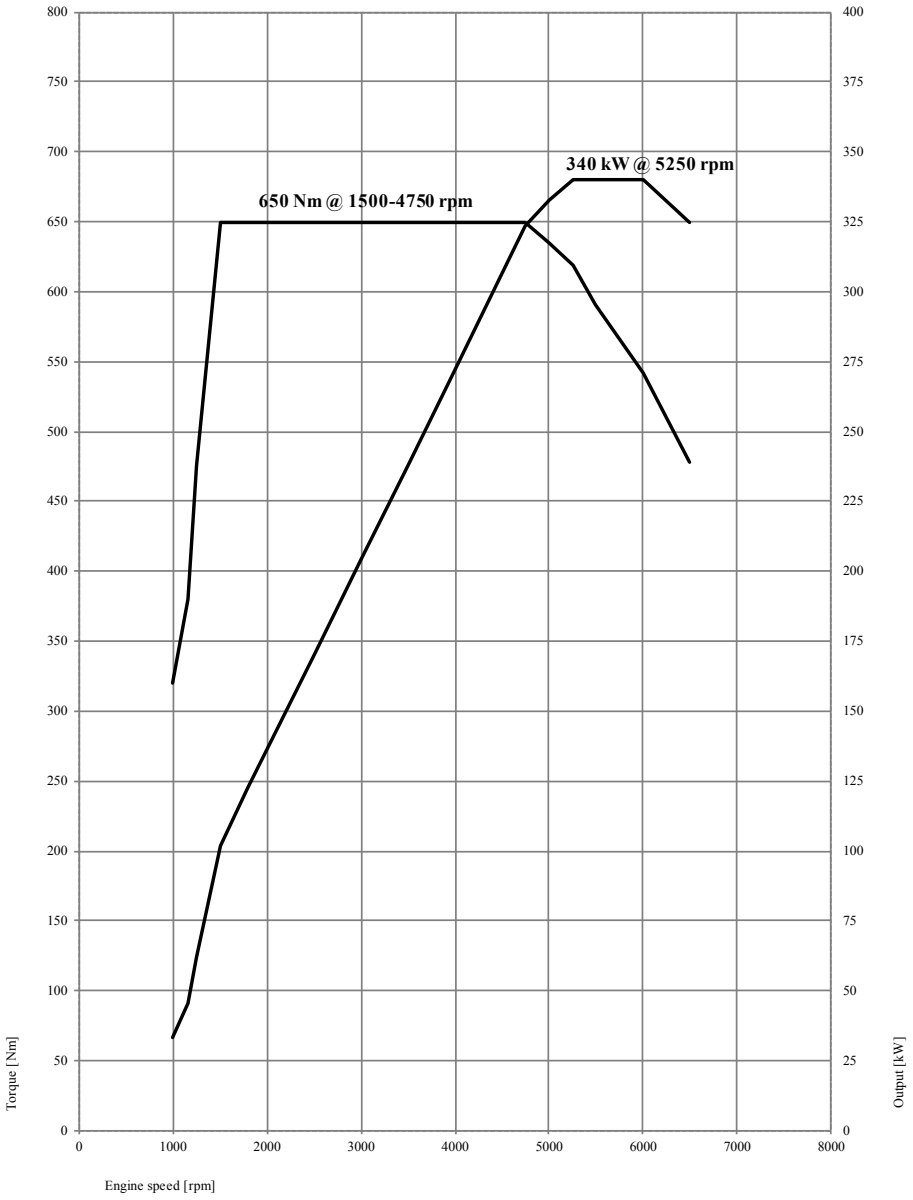
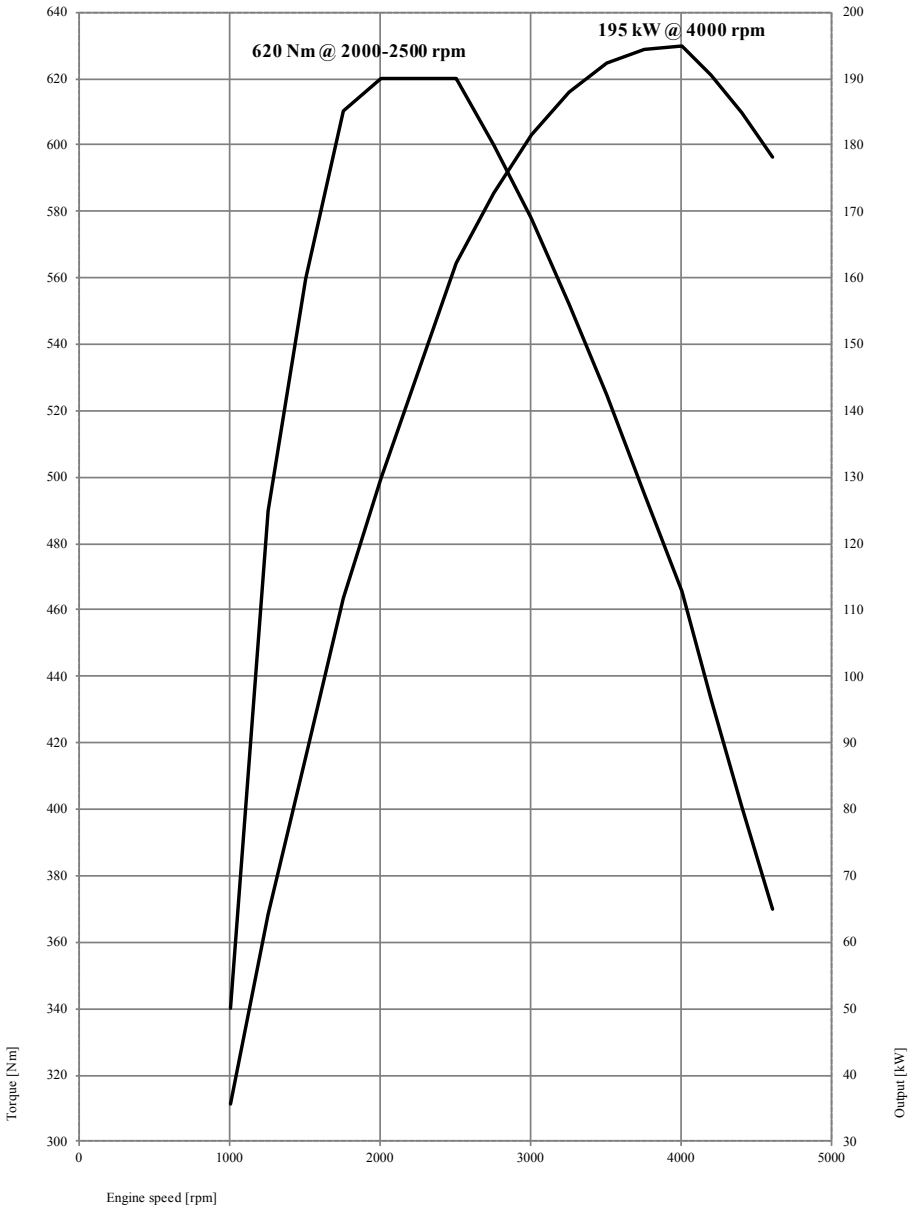
Output and torque diagrams.
The new BMW X5.
X5 xDrive40i.



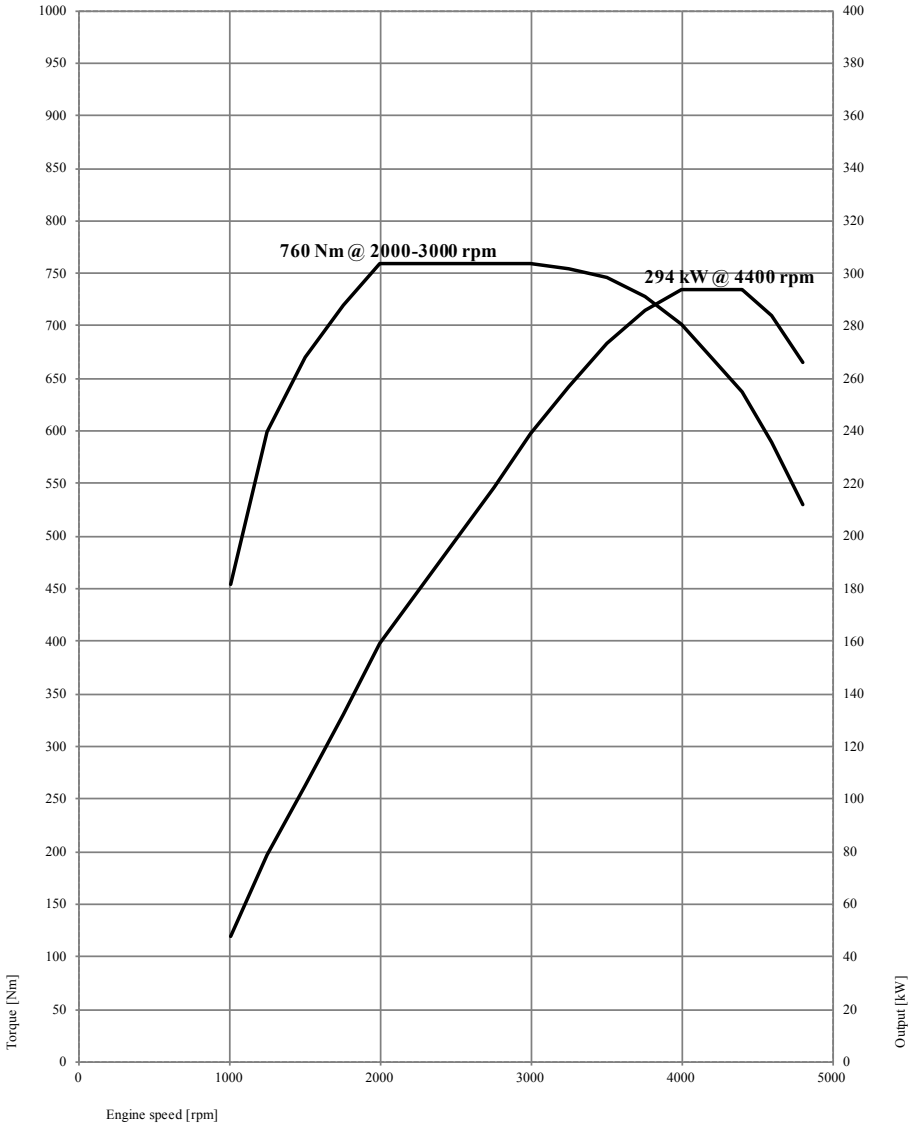
The new BMW X5.
X5 xDrive50i.



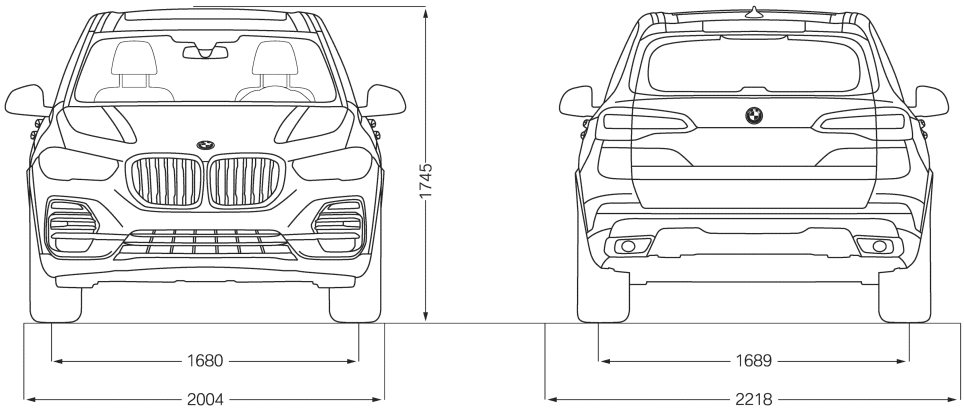
The new BMW X5.
X5 xDrive30d.

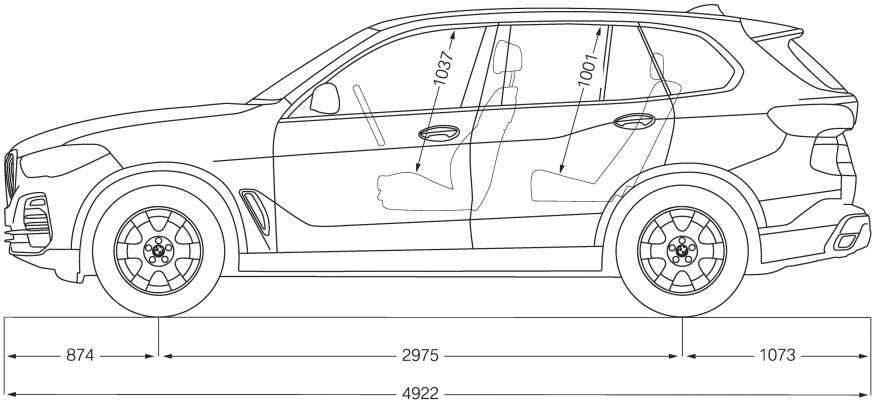


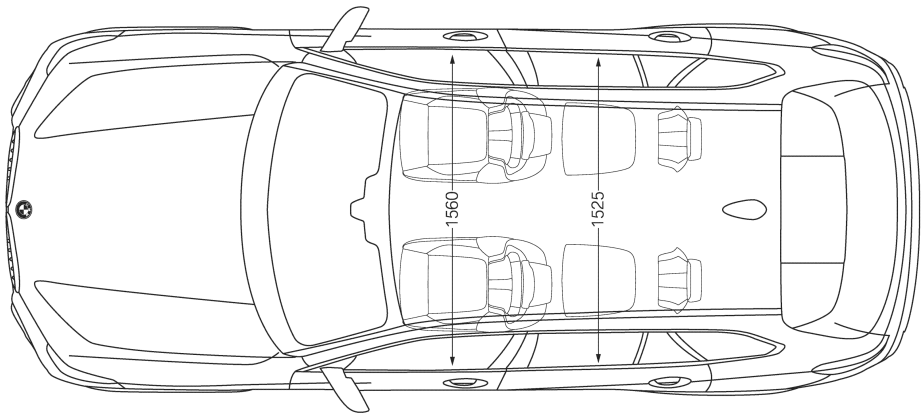
The new BMW X5.
X5 M50d.



Exterior and interior dimensions.
The new BMW X5.







*dimensions in cm