

3. Specifications.

BMW X5 xDrive50i.



BMW X5 xDrive50i	
Body	
No of doors/seats	5 / 5 (7) ¹⁾
Length/width/height (unladen)	mm 4886 / 1938 / 1762
Wheelbase	mm 2933
Track, front/rear	mm 1640 / 1646
Turning circle	m 12.7
Tank capacity	app ltr 85
Cooling system incl heater	ltr 14.7
Engine oil ²⁾	ltr 9.0
Weight, unladen, to DIN/EU	kg 2175 / 2250
Max load to DIN	kg 710
Max permissible	kg 2885
Max axle load, front/rear	kg 1375 / 1585
Max trailer load (12%), braked/unbraked	kg 2700 (3500 ³⁾) / 750
Max roofload/max towbar dwnl	kg 100 / 140
Luggage comp capacity	ltr 650 – 1870
Air resistance	C _d x A 0.33 x 2.84
Engine	
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	cc 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
Max torque	Nm/lb-ft 650/479
at	rpm 2000 – 4500
Electrical System	
Battery/installation	Ah/- 105 / luggage comp
Alternator	AW 210 / 2940
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 swing-calliper disc brakes
Diameter	mm 385 x 36 / inner-vented
Brakes, rear	Single-piston swing-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 (CB), 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-alloys

BMW X5 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, anti-dazzle High Beam Assistant, 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 Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call		
Transmission			
Type of gearbox	Eight-speed automatic transmission with Steptronic		
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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.6
Output per litre	kW/ltr		75.1
Acceleration	0–100 km/h	sec	5.0
	0–1000 m	sec	23.9
Top speed	km/h		250
Off-Road Specifications			
Overhang angle, front/rear			25.0 / 20.0
Ramp angle		°	20.0
Ground clearance unladen	mm		209
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		
Fuel Consumption EU ⁴⁾			
With standard wheels and tyres			
Urban	ltr/100		14.0
Extra-urban	ltr/100		8.3
Combined	ltr/100		10.4
CO ₂	g/km		242
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		14.1
Extra-urban	ltr/100		8.3
Combined	ltr/100		10.5
CO ₂	g/km		244
Emission rating			EU6
Insurance Category (Germany)			
KH / VK / TK			5)

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

- 1) With optional third row of seats
- 2) Oil change
- 3) With optional increased towbar download (country-specific)
- 4) Fuel consumption and CO₂ emissions depend on the selected tyre format
- 5) Data not yet available

BMW X5 xDrive30d.

BMW X5 xDrive30d			
Body			
No of doors/seats			5 / 5 (7) ¹⁾
Length/width/height (unladen)	mm		4886 / 1938 / 1762
Wheelbase	mm		2933
Track, front/rear	mm		1644 / 1650
Turning circle	m		12.7
Tank capacity	app ltr		85
Cooling system incl. heater	ltr		12.6
Engine oil ²⁾	ltr		6.5
Weight, unladen, to DIN/EU	kg		2070 / 2145
Max load to DIN	kg		710
Max permissible	kg		2780
Max axle load, front/rear	kg		1320 / 1545
Max trailer load (12%), braked/unbraked	kg		2700 (3500 ³⁾) / 750
Max roofload/max towbar dwnl	kg		100 / 140
Luggage comp capacity	ltr		650 – 1870
Air resistance	C _d x A		0.31 x 2.84
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 ³		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/lb-ft		560/413
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 swing-calliper disc brakes		
Diameter	mm		332 x 30 / inner-vented
Brakes, rear	Single-piston swing-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 (CB), 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			255/55 R18 109 H XL
Rims, front/rear			8.5J x 18 light-alloys

BMW X5 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, anti-dazzle High Beam Assistant, 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 Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call		
Transmission			
Type of gearbox	Eight-speed automatic transmission with Steptronic		
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	3.154
Performance			
Power-to-weight ratio	kg/kW		10.9
Output per litre	kW/ltr		63.5
Acceleration	0–100 km/h	sec	6.9
	0–1000 m	sec	27.5
Top speed	km/h		230
Off-Road Specifications			
Overhang angle, front/rear			25.0 / 20.0
Ramp angle		°	20.0
Ground clearance unladen	mm		209
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		
Fuel Consumption EU ⁴⁾			
With standard wheels and tyres			
Urban	ltr/100		7.0
Extra-urban	ltr/100		5.7
Combined	ltr/100		6.2
CO ₂	g/km		162
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		7.1
Extra-urban	ltr/100		5.7
Combined	ltr/100		6.2
CO ₂	g/km		164
Emission rating			EU6
Insurance Category (Germany)			
KH / VK / TK			

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

- 1) With optional third row of seats
- 2) Oil change
- 3) With optional increased towbar download (country-specific)
- 4) Fuel consumption and CO₂ emissions depend on the selected tyre format
- 5) Data not yet available

BMW X5 M50d.

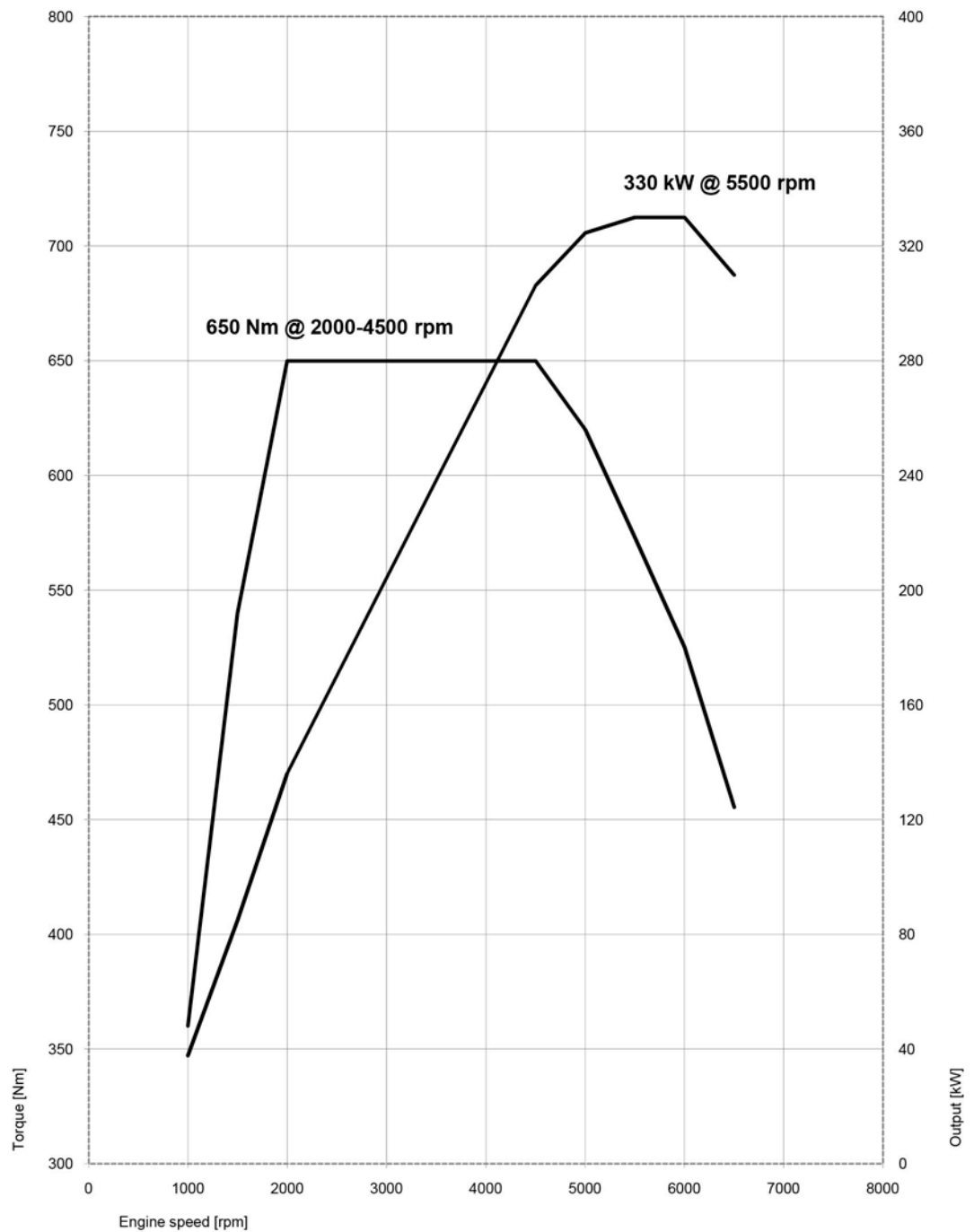
BMW X5 M50d		
Body		
No of doors/seats		5 / 5 (7) ¹⁾
Length/width/height (unladen)	mm	4886 / 1938 / 1762
Wheelbase	mm	2933
Track, front/rear	mm	1662 / 1702
Turning circle	m	12.7
Tank capacity	app ltr/l	85
Cooling system incl. heater	ltr	15.4
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	2190 / 2265
Max load to DIN	kg	710
Max permissible	kg	2900
Max axle load, front/rear	kg	1370 / 1580
Max trailer load (12%), braked/unbraked	kg	2700 (3500 ³⁾) / 750
Max roofload/max towbar dwnl	kg	100 / 140
Luggage comp capacity	kg	650 – 1870
Air resistance	c _d x A	0.35 x 2.84
Engine		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology	M Performance TwinPower Turbo technology with three turbochargers, multi-stage variable-geometry charging, Common Rail direct injection (max. injection pressure: 2200 bar)	
Capacity, effective	cm ³	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/lb-ft	740/546
at	rpm	2000 – 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 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 swing-calliper disc brakes	
Diameter	mm	385 x 36 / inner-vented
Brakes, rear	Single-piston swing-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 (CB), 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 M-specific Servotronic	
Steering transmission, overall	:1	19.1
Tyres, front/rear		255/50 R19 107 W RSC / 285/45 R19 111 W RSC
Rims, front/rear		9J x 19 light-alloys / 10J x 19 light-alloys

BMW X5 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, anti-dazzle High Beam Assistant, 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 Warning with braking function, Active Cruise Control with Stop & Go function and full braking to standstill, Speed Limit Info with No Passing Info, Active Protection with Attention Assistant, Automatic/Enhanced Emergency Call		
Transmission			
Type of gearbox	Eight-speed automatic transmission with Steptronic		
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	3.154
Performance			
Power-to-weight ratio	kg/kW		7.8
Output per litre	kW/ltr		93.6
Acceleration	0–100 km/h	sec	5.3
	0–1000 m	sec	24.9
Top speed	km/h		250
Off-Road Specifications			
Overhang angle, front/rear			25.0 / 20.0
Ramp angle		°	20.0
Ground clearance unladen	mm		209
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		
Fuel Consumption EU ⁴⁾			
Urban	ltr/100		7.6
Extra-urban	ltr/100		6.2
Combined	ltr/100		6.7
CO ₂	g/km		177
Emission rating			EU6
Insurance Category (Germany)			
KH / VK / TK			

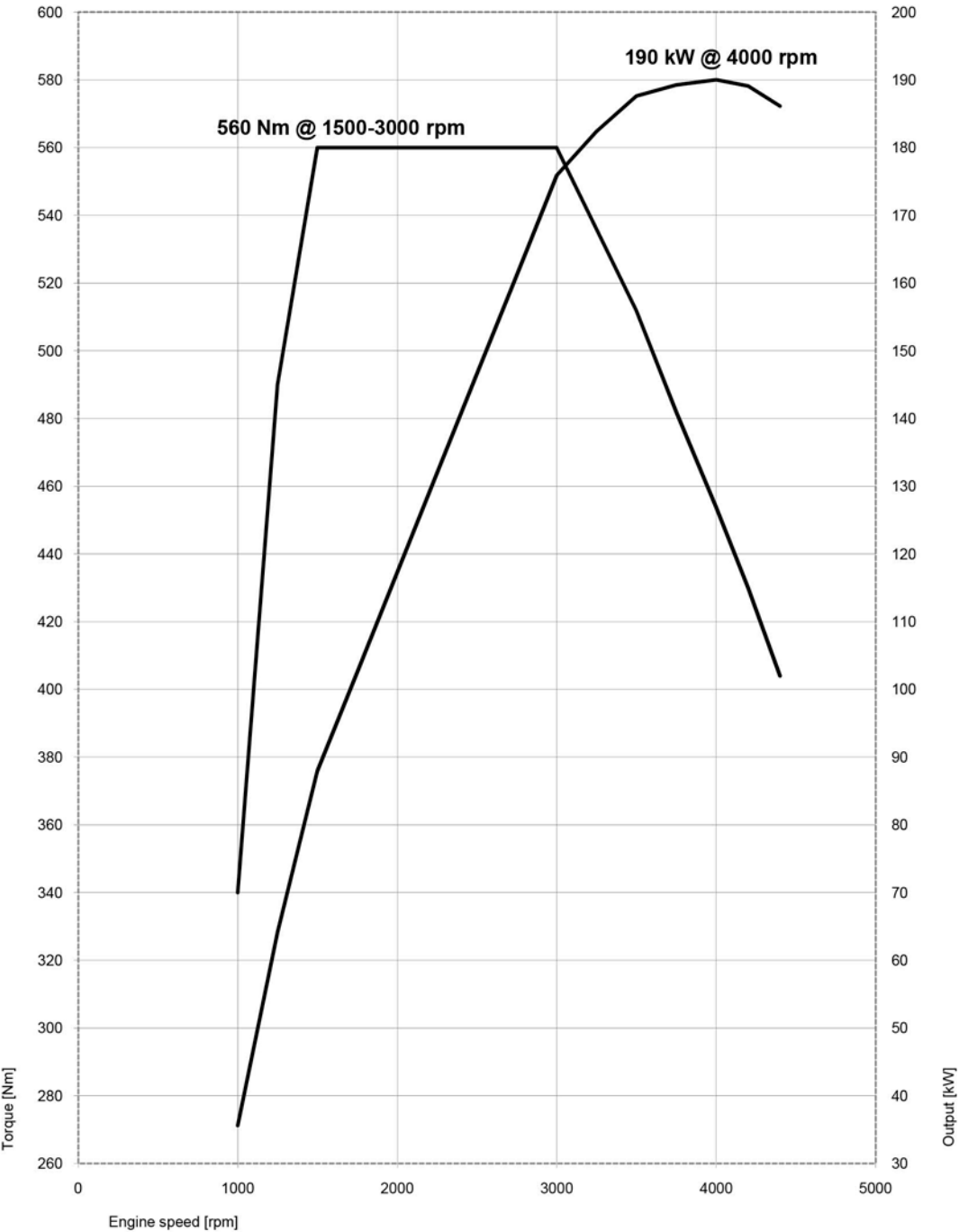
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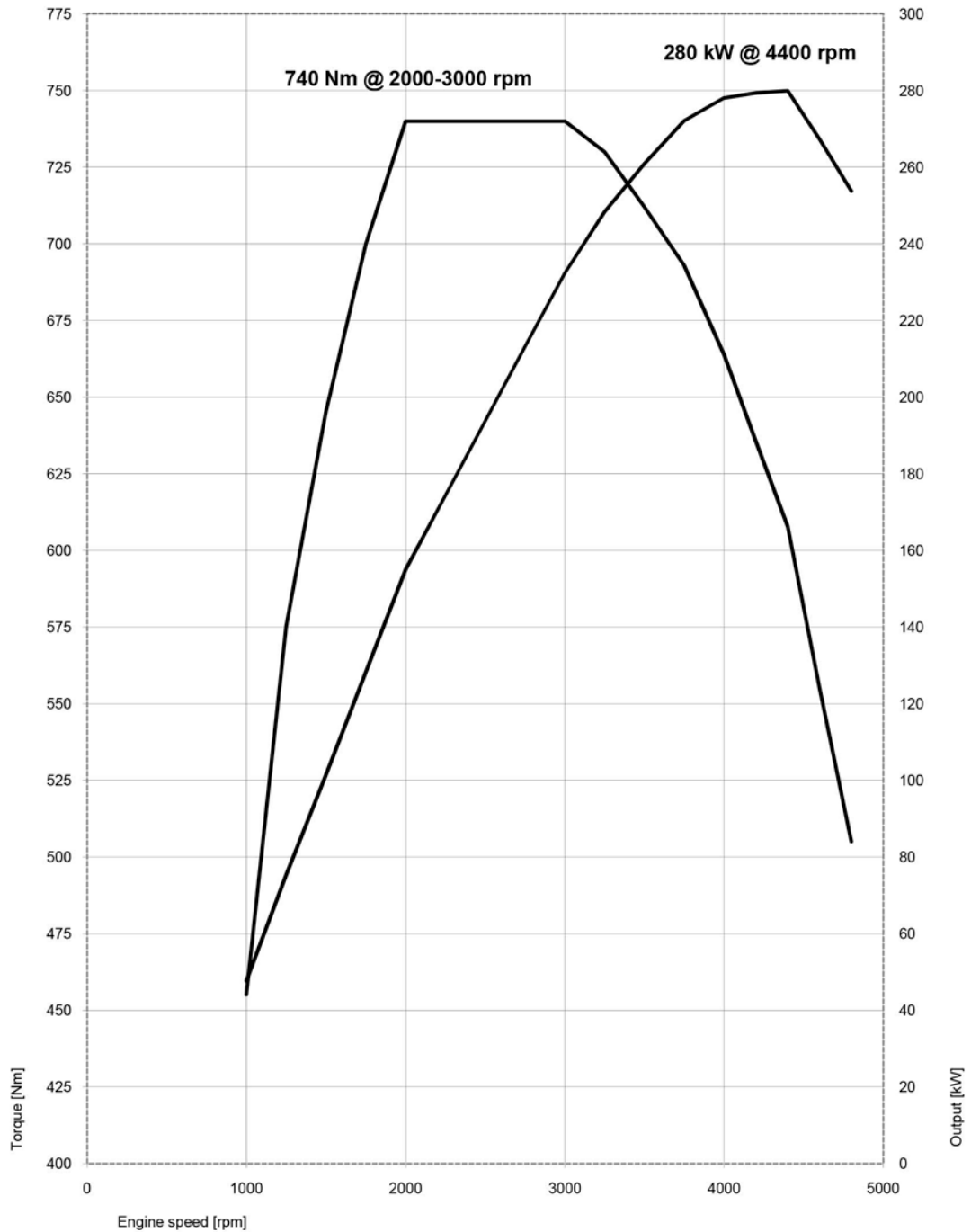
4. Output and torque diagrams. BMW X5 xDrive50i.



BMW X5 xDrive30d.



BMW X5 M50d.



5. Exterior and interior dimensions.

The new BMW X5.

