

## 2. Specifications.

### BMW X5 xDrive40e.



BMW X5 xDrive40e			
<b>Body</b>			
No. of doors/seats		5 / 5	
Length/width/height <sup>1)</sup> (unladen)	mm	4886 / 1938 / 1762	
Wheelbase	mm	2933	
Track, front/rear	mm	1644 / 1650	
Turning circle	m	12.7	
Fuel tank capacity	approx. ltr	85	
Engine oil <sup>2)</sup>	ltr	5.0	
Weight (unladen) to DIN/EU	kg	2230 / 2305	
Max load to DIN	kg	750	
Max permissible weight	kg	2980	
Max axle load, front/rear	kg	1250 / 1755	
Max trailer load, braked (12%)/unbraked	kg	2700 / 750	
Max roof load/towbar download	kg	100 / 140	
Luggage comp. capacity	ltr	500 –1720	
Air resistance	C <sub>d</sub> x A	0.31 x 2.84	
<b>Drive system</b>			
Drive concept		Full hybrid drive, permanent torque vectoring to all four wheels from one or both units via BMW xDrive	
System output	kW/hp	230 / 313	
<b>Combustion engine</b>			
Config./No. of cyls./valves		In-line / 4 / 4	
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, fully variable valve control (VALVETRONIC), Double VANOS variable camshaft control	
Effective capacity	cm <sup>3</sup>	1997	
Bore/stroke	mm	90.1 / 84.0	
Compression ratio	:1	10.0	
Fuel grade		min RON 91	
Output	kW/hp	180 / 245	
at	rpm	5000 – 6500	
Torque	Nm	350	
at	rpm	1250 – 4800	
<b>Electric motor</b>			
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery	
Max. output <sup>3)</sup>	kW/hp	83 / 113	
at	rpm	3170	
Rated output	kW/hp	55 / 75	
at	rpm	5000	
Torque	Nm	250	
at	rpm	0	
Recuperation output	kW	20	
<b>High-voltage battery</b>			
Storage technology / installation		Lithium-ion / underneath luggage comp.	
Voltage	V	351	
Capacity (gross)	kWh	9.0	
Charging time for 100% charge		< 2.8 h at 3.5 kW (16 A / 230 V)	
<b>Transmission</b>			
Type of transmission		8-speed 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

BMW X5 xDrive40e		
<b>Driving Dynamics and Safety</b>		
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, air suspension with automatic self-levelling	
Brakes, front	Single-piston floating-calliper disc brakes, inner-vented	
Brakes, rear	Single-piston floating-calliper disc brakes, inner-vented	
Driving stability systems	Standard: DSC incl. ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), 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), Dynamic Damper 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 function	
Steering transmission, overall	:1	19.1
Tyres, front/rear	255/55 R18 109 V XL	
Rims, front/rear	8.5J x 18 light-alloy	
<b>Performance</b>		
Weight-to-power ratio (DIN)	kg/kW	9.7
Specific output combustion engine	kW/ltr	90.1
Acceleration 0–100 km/h	s	6.8
Maximum speed	km/h	210
Maximum speed electric	km/h	120
EU cycle electric range	km	up to 31
<b>Offroad specifications</b>		
Overhang angle, front/rear	°	25.0 / 22.5
Ramp angle	°	20.0
Ground clearance (unladen)	mm	209
Fording depth (at 7 km/h)	mm	500
<b>BMW EfficientDynamics</b>		
BMW EfficientDynamics standard measures	BMW eDrive technology, Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, efficiency-optimised rear differential and power divider, tyres with reduced roll resistance	
<b>Fuel consumption EU<sup>4)</sup></b>		
With standard wheels and tyres		
combined	ltr/100km	3.3
CO <sub>2</sub> emissions from fuel	g/km	77
Power consumption combined	kWh	15.3
With rims 9J x 19 front, 10J x 19 rear and tyres 255/50 R19 front, 285/45 R19 rear, with rims 10J x 20 front, 11J x 20 rear and tyres 275/40 R20 front, 315/35 R20 rear		
combined	ltr/100km	3.4
CO <sub>2</sub> emissions from fuel	g/km	78
Power consumption combined	kWh	15.4
Emission rating	EU6	

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight, maximum speed)  
All data are provisional

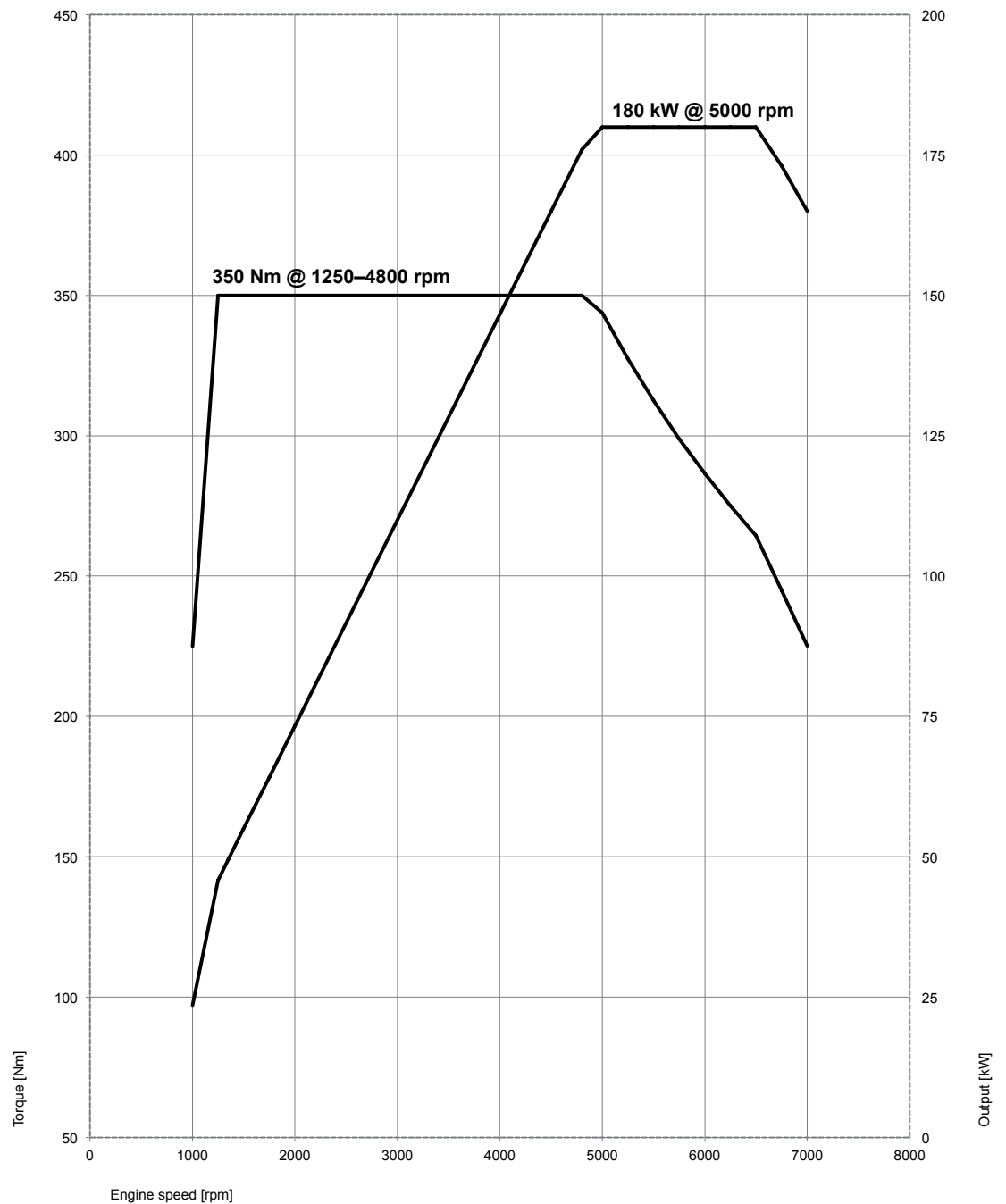
<sup>1)</sup> Height including roof fin

<sup>2)</sup> Oil change

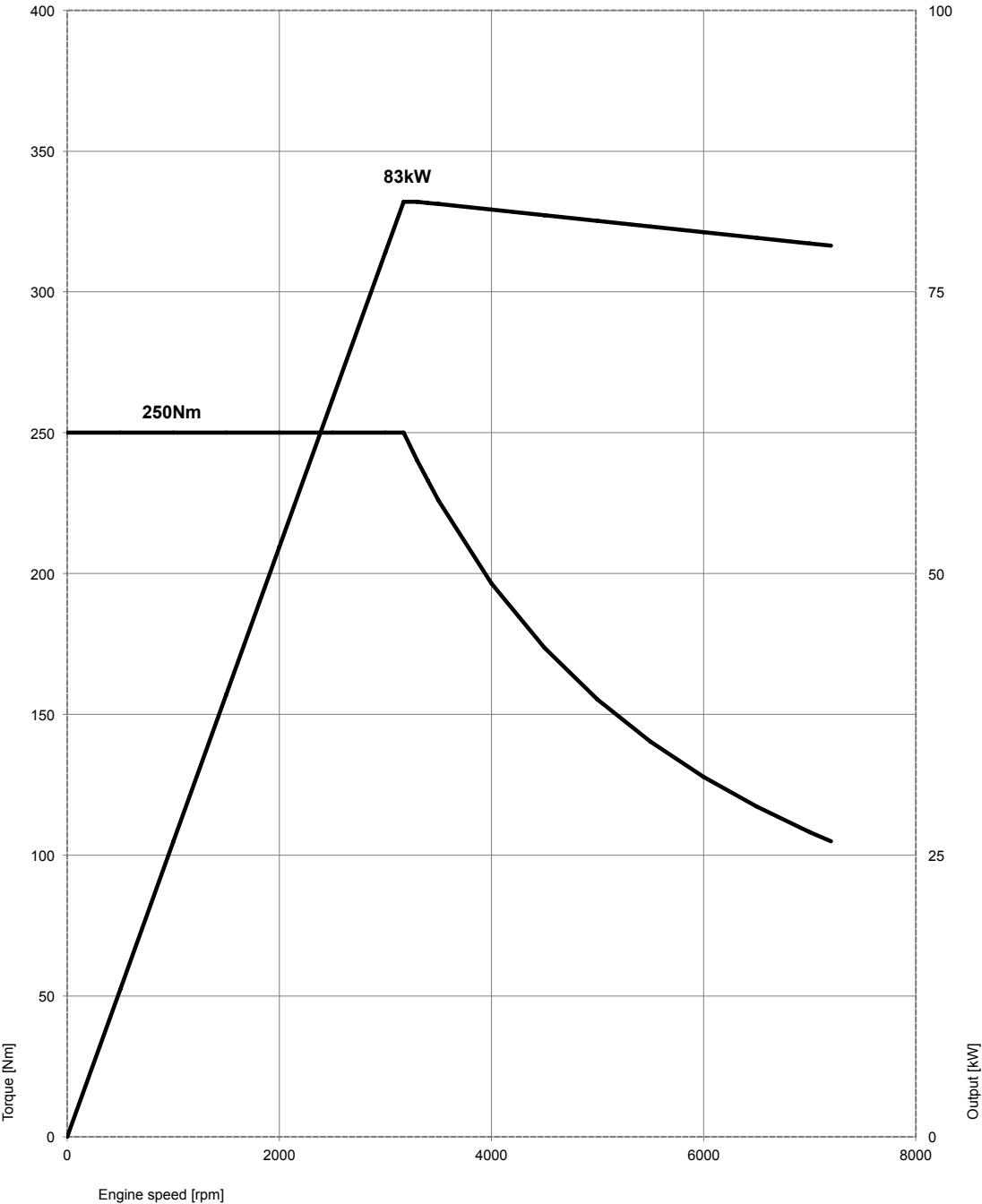
<sup>3)</sup> According to ECE R-85

<sup>4)</sup> Fuel consumption and CO<sub>2</sub> emission figures depend on the specified tyre format

## 2. Output and torque diagrams. BMW X5 xDrive40e. Combustion engine.



# BMW X5 xDrive40e. Electric motor.



### 3. Exterior and interior dimensions.

