

8. Specifications.

The new BMW Series 2 Gran Tourer. 218i, 220i.



		BMW 218i Gran Tourer	BMW 220i Gran Tourer
Body			
No of doors/seats		5/5	5/5
Length/width/height (unladen)	mm	4556/1800/1608	4556/1800/1608
Wheelbase	mm	2780	2780
Track, front/rear	mm	1561/1562	1557/1558
Ground clearance	mm	165	165
Turning circle	m	11.7	11.7
Fuel tank capacity	approx ltr	51	61
Cooling system incl heater	ltr	6.4 (6.5)	6.2 (6.3)
Engine oil ¹⁾	ltr	4.25	5.25
Weight, unladen, to DIN/ EU ³⁾	kg	1395/1470 (1425/1500)	1455/1530 (1495/1570)
Max load to DIN	kg	600	600
Max permissible weight	kg	2040 (2065)	2100 (2130)
Max axle load, front/rear	kg	1015/1040 (1045/1040)	1060/1050 (1090/1050)
Max trailer load, Braked (12%)/unbraked	kg	1500/735	1500/750
Max roofload/max towbar downl	kg	75/75	75/75
Luggage comp capacity	ltr	645–1905	645–1905
Air resistance	Cd x A	0.28 x 2.45	0.31 x 2.45
Power Unit			
Config/No of cyls/valves		In-line/3/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with TwinScroll turbocharging, High Precision Direct Petrol Injection	
Effective capacity	cc	1499	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	100/136	141/192
at	rpm	4400	5000
Max torque	Nm/lb-ft	220/162	280/207
at	rpm	1250	1250
Electrical System			
Battery / installation	Ah/–	70/ Engine compartment	80/ Engine compartment
Alternator	A/W	150/2100	150/2100
Driving Dynamics and Safety			
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction	
Suspension, rear		Central-arm axle in lightweight construction	
Brakes, front		Single-piston floating-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes	
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, 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, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front	
Steering		Electric Power Steering (EPS), Servotronic	
Steering ratio, overall	:1	15.7	15.7
Tyres, front/rear		205/60 R16 92V	205/55 R17 91W
Rims, front/rear		7.0J x 16	7.5J x 17

			BMW 218i Gran Tourer	BMW 220i Gran Tourer
Transmission				
Type of transmission			Six-speed manual (optional: six-speed Steptronic transmission)	Six-speed manual (optional: eight-speed Steptronic transmission)
Gear ratios		I :1	3.615 (4.459)	3.923 (5.250)
		II :1	1.952 (2.508)	2.136 (3.029)
		III :1	1.241 (1.556)	1.276 (1.950)
		IV :1	0.969 (1.142)	0.921 (1.457)
		V :1	0.806 (0.851)	0.756 (1.221)
		VI :1	0.683 (0.672)	0.628 (1.000)
		VII :1	---- (----)	---- (0.809)
		VII :1	---- (----)	---- (0.673)
		R :1	3.538 (3.185)	3.538 (4.015)
Final drive		:1	3.882 (3.944)	3.588 (3.075)
Performance ³⁾				
Power-to-weight ratio		kg/kW	14.0 (14.3)	10.3 (10.6)
Output per litre		kW/ltr	66.7	70.6
Acceleration	0–100 km/h	sec	9.5 (9.5)	7.7 (7.6)
In 5th gear	80–120 km/h	sec	11.1 (--)	8.9 (--)
Top speed		km/h	205 (203)	223 (222)
BMW EfficientDynamics				
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Gear shift indicator (manual transmission), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, air compressor disconnectable, tyres with reduced roll resistance		
Fuel Consumption ECE ²⁾				
With standard tyres				
Urban	ltr/100 km	6.7–6.3 (6.8–6.4)		8.1–7.9 (7.5–7.3)
Extra-urban	ltr/100 km	4.8–4.4 (4.9–4.6)		5.4–5.2 (5.3–5.1)
Combined	ltr/100 km	5.5–5.1 (5.5–5.2)		6.4–6.2 (6.1–5.9)
CO ₂	g/km	127–119 (129–122)		149–144 (142–137)
Emission rating		EU6		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)
Figures in brackets apply to models with automatic transmission

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions figures depend on the specified tyre format and optional equipment (e.g. third row of seats)

³⁾ Vehicle weight and thus performance figures may vary depending on optional equipment (e.g. third row of seats)

The new BMW 2 Series Gran Tourer. 216d, 218d, 220d xDrive.

		BMW 216d Gran Tourer	BMW 218d Gran Tourer	BMW 220d xDrive Gran Tourer
Body				
No of doors/seats		5/5	5/5	5/5
Length/width/height (unladen)	mm	4556/1800/1608	4556/1800/1608	4556/1800/1608
Wheelbase	mm	2780	2780	2780
Track, front/rear	mm	1561/1562	1561/1562	1557/1558
Ground clearance	mm	165	165	165
Turning circle	m	11.7	11.7	11.7
Fuel Tank capacity	approx ltr	51	51	61
Cooling system incl heater	ltr	6.3 (6.4)	6.7 (6.9)	6.9
Engine oil ¹⁾	ltr	4.4	5.0	5.0
Weight, unladen, to DIN/EU ³⁾	kg	1420/1495 (1430/1505)	1450/1525 (1480/1555)	1565/1640
Max load to DIN	kg	600	600	600
Max permissible	kg	2070 (2090)	2090 (2120)	2210
Max axle load, front/rear	kg	1030/1045 (1060/1045)	1060/1045 (1090/1045)	1130/1110
Max trailer load (12%), braked/unbraked	kg	1500/750	1500/750	1600/750
Max roofload/max towbar downl	kg	75/75	75/75	75/75
Luggage comp capacity	ltr	645–1905	645–1905	645–1905
Air drag	Cd x A	0.28 x 2.45	0.28 x 2.45	0.31 x 2.45
Power Unit				
Config/No of cyls/valves		In-line/3/4	In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, common rail direct injection		
Capacity, effective	cc	1496	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	85/116	110/150	140/190
at	rpm	4000	4000	4000
Max torque	Nm/lb-ft	270/199	330/243	400/295
at	rpm	1750	1750	1750
Electrical System				
Battery / installation	Ah/–	80/ Engine compartment	80/ Engine compartment	80/ Engine compartment
Alternator	A/W	150/2100	150/2100	150/2100
Driving Dynamics and Safety				
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction		
Suspension, rear		Central-arm axle in lightweight construction		
Brakes, front		Single-piston floating-calliper disc brakes / vented		
Brakes, rear		Single-piston floating-calliper disc brakes		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), DSC cross-linked with all-wheel drive xDrive (220d xDrive), Dry Braking function, Fading Compensation, Start-Off Assistant, 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, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front		
Steering		Electric Power Steering (EPS), Servotronic		
Steering transmission, overall	:1	15.7		
Tyres, front/rear		205/60 R16 92V	205/60 R16 92V	205/55 R17 91W
Rims, front/rear		7.0J x 16	7.0J x 16	7.5J x 17

			BMW 216d Gran Tourer	BMW 218d Gran Tourer	BMW 220d xDrive Gran Tourer
Transmission					
Type of transmission			Six-speed manual (optional: six-speed Steptronic transmission) ⁴⁾	Six-speed manual (optional: eight-speed Steptronic transmission)	Eight-speed Steptronic transmission
Gear ratios		I :1	3.923 (4.459)	3.923 (5.250)	5.250
		II :1	2.136 (2.508)	2.136 (3.029)	3.029
		III :1	1.276 (1.556)	1.276 (1.950)	1.950
		IV :1	0.921 (1.142)	0.921 (1.457)	1.457
		V :1	0.756 (0.851)	0.756 (1.221)	1.221
		VI :1	0.628 (0.672)	0.628 (1.000)	1.000
		VII :1	---- (----)	---- (0.809)	0.809
		VII :1	---- (----)	---- (0.673)	0.673
		R :1	3.538 (3.185)	3.538 (4.015)	4.015
Final drive		:1	3.389 (3.234)	3.389 (2.839)	2.839
Performance ³⁾					
Power-to-weight ratio		kg/kW	16.7 (16.8)	13.2 (13.5)	11.2
Output per litre		kW/ltr	56.8	55.1	70.2
Acceleration	0–100 km/h	sec	11.1 (10.9)	9.3 (9.3)	7.6
In 5th gear	80–120 km/h	sec	12.1 (–)	9.8 (–)	–
Top speed		km/h	192 (192)	205 (207)	218
BMW EfficientDynamics					
BMW EfficientDynamics standard features			Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator (manual transmission), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, air compressor disconnectable, tyres with reduced roll resistance		
Fuel Consumption ECE ²⁾					
With standard tyres:					
Urban	ltr/100 km	4.8–4.5 (4.9–4.5)		5.3–5.1 (5.1–4.9)	
Extra-urban	ltr/100 km	3.9–3.6 (4.0–3.8)		4.1–3.9 (4.2–4.0)	
Combined	ltr/100 km	4.2–3.9 (4.3–4.0)		4.5–4.3 (4.5–4.3)	
CO ₂	g/km	111–104 (114–106)		119–114 (119–114)	
Emission rating		EU6		EU6	

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)
Figures in brackets apply to models with automatic transmission

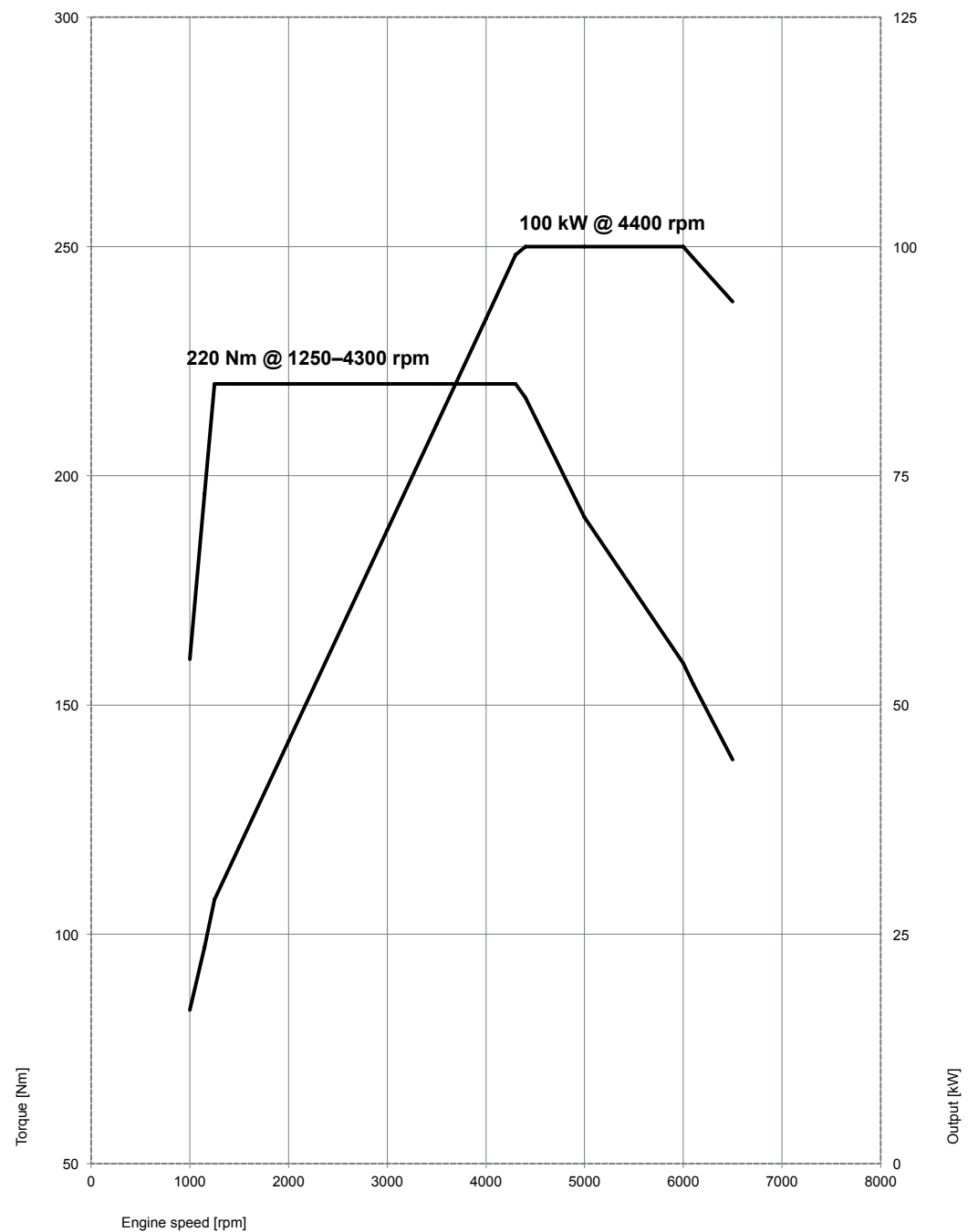
¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions figures depend on the specified tyre format and optional equipment (e.g. third row of seats)

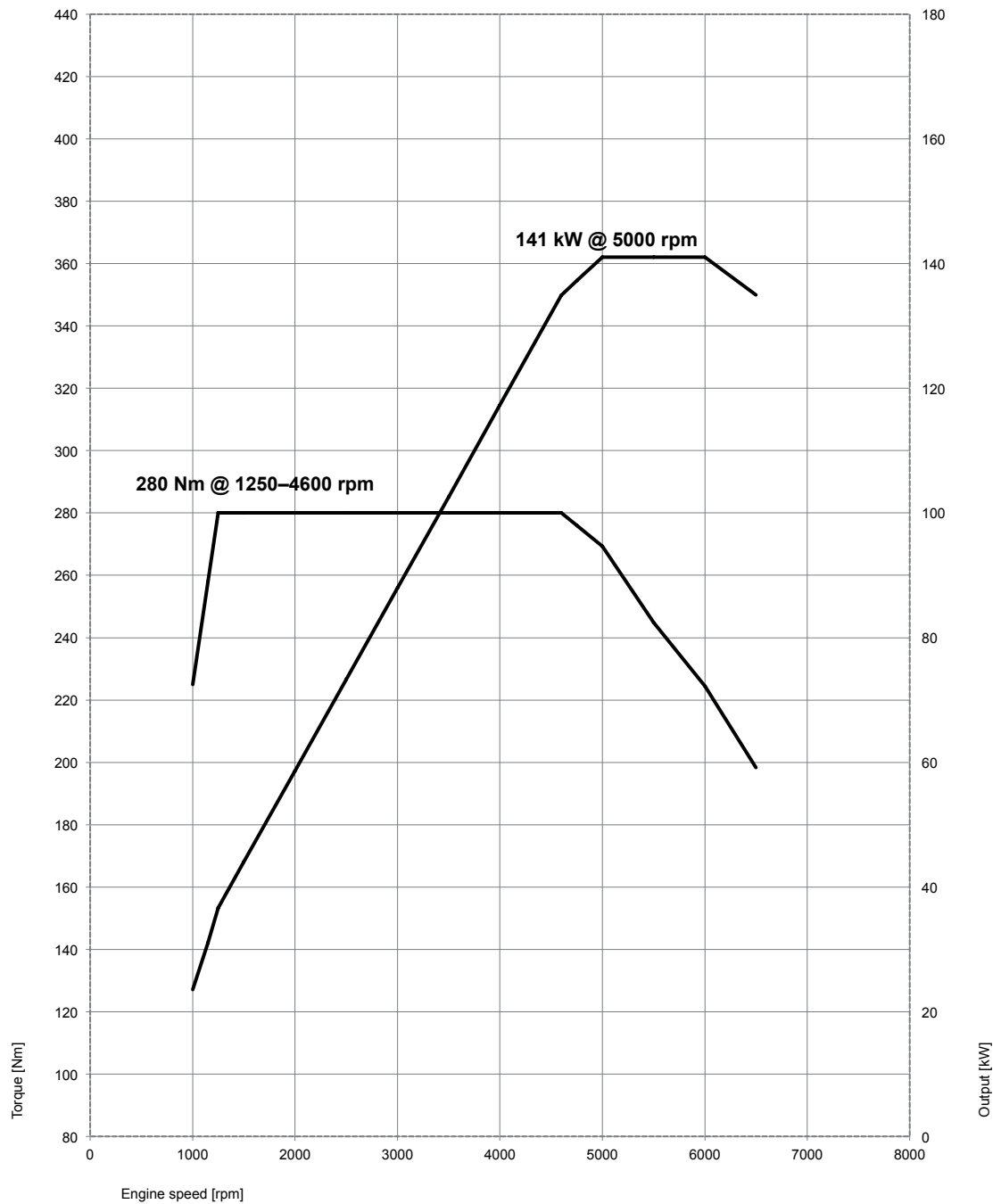
³⁾ Vehicle weight and thus performance figures may vary depending on optional equipment (e.g. third row of seats)

⁴⁾ Anticipated availability from 7/2015

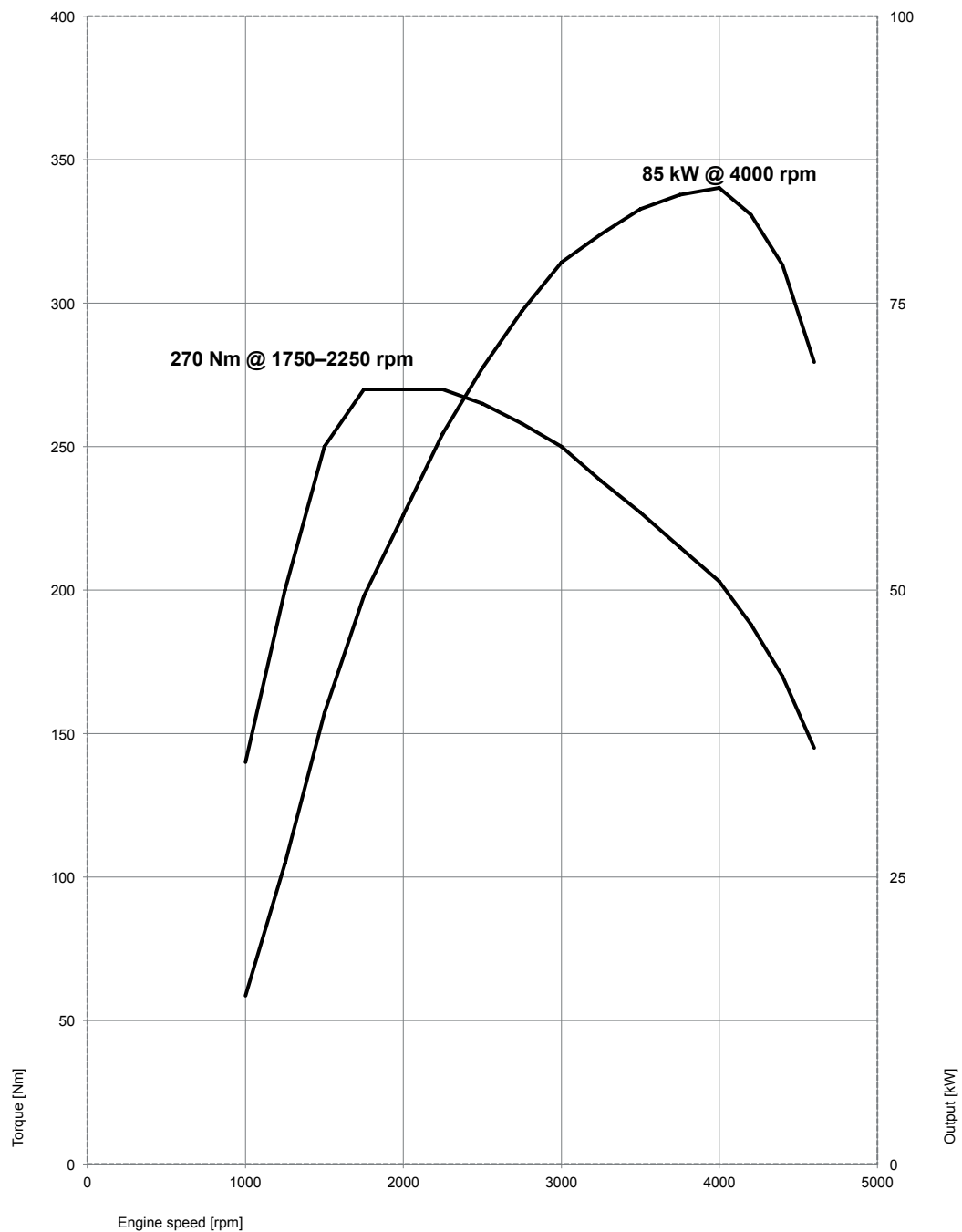
9. Output and torque diagrams. The new BMW Series 2 Gran Tourer. 218i.



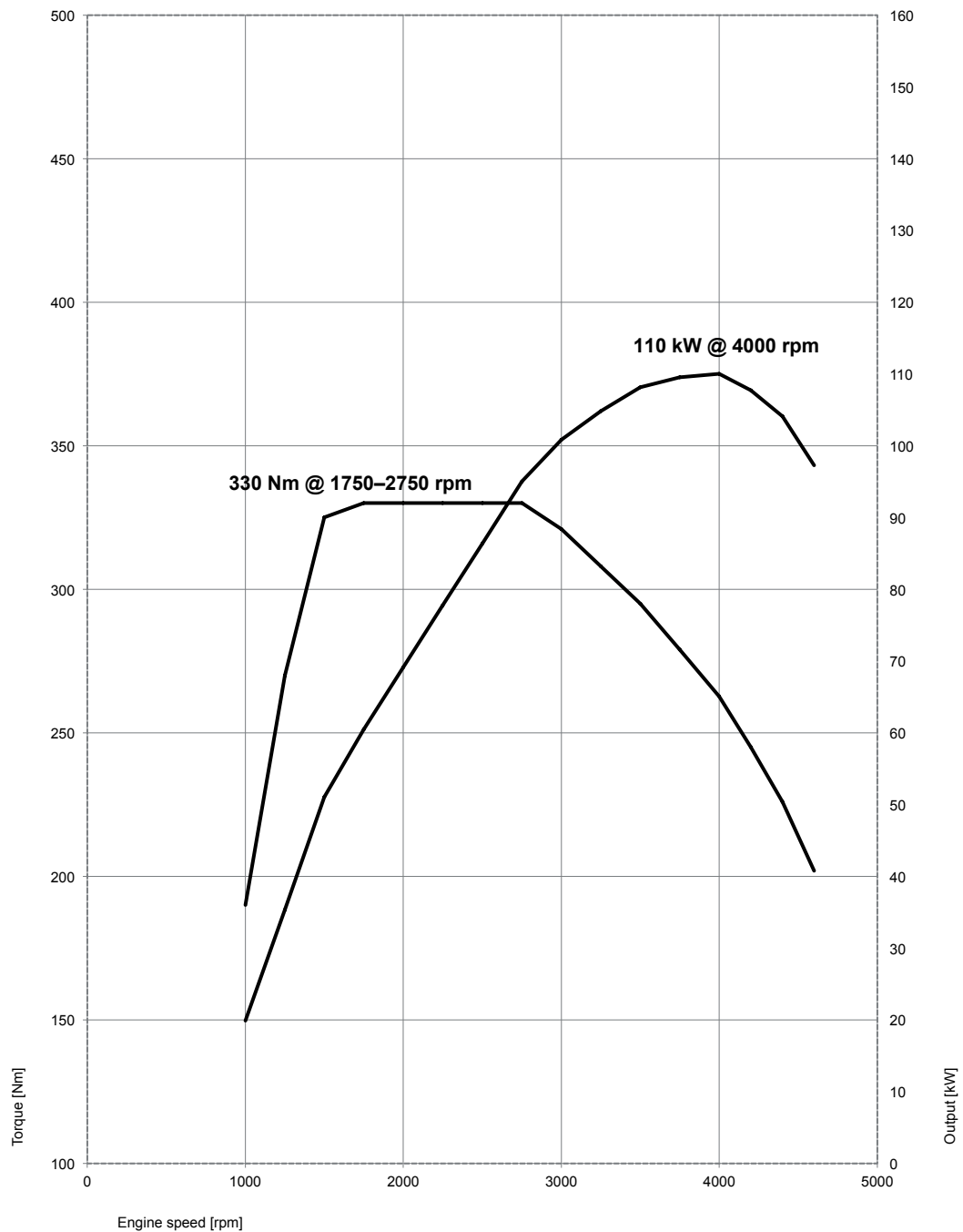
The new BMW Series 2 Gran Tourer. 220i.



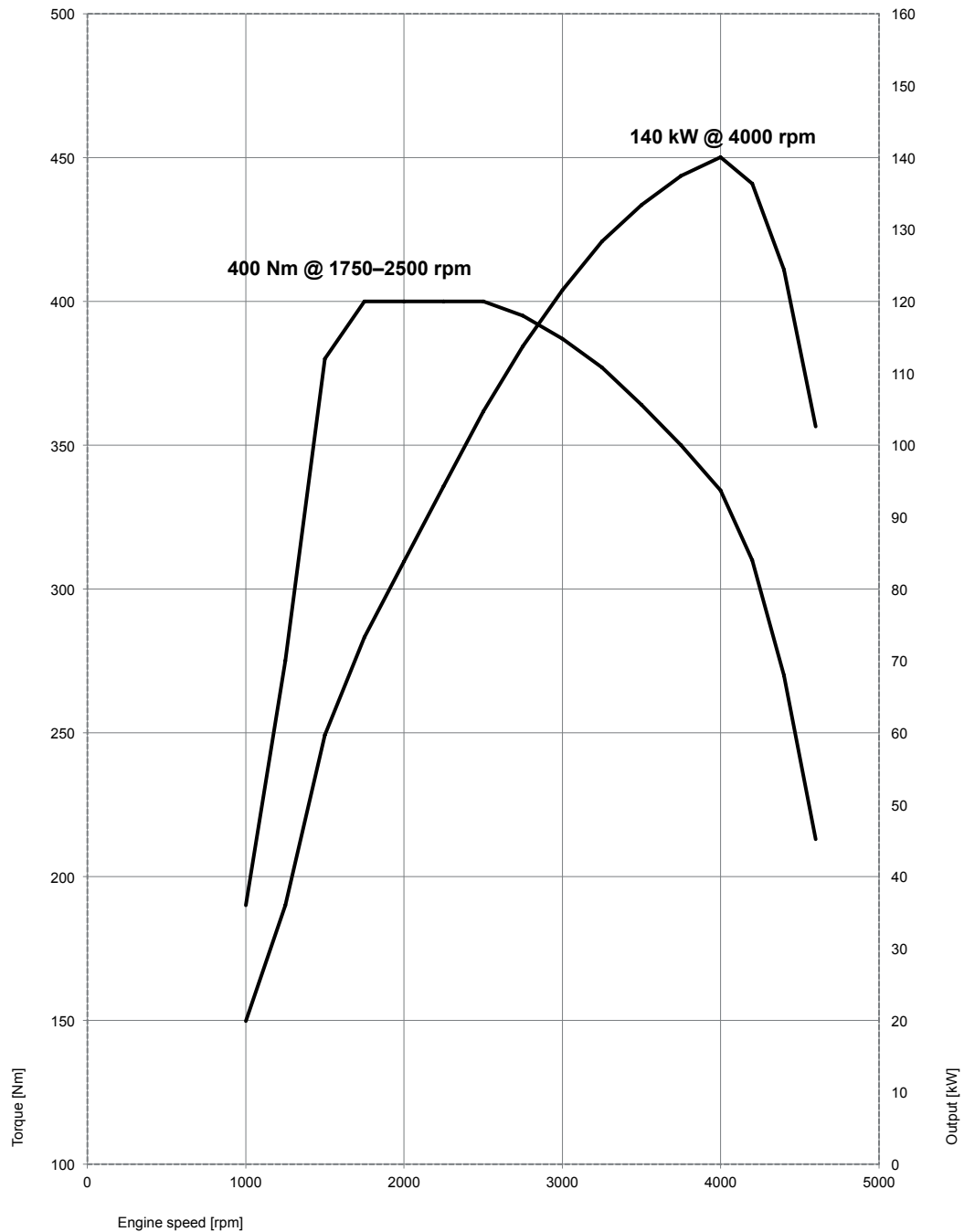
The new BMW Series 2 Gran Tourer. 216d.



The new BMW Series 2 Gran Tourer. 218d.



The new BMW Series 2 Gran Tourer. 220d xDrive.



10. Exterior and interior dimensions.

