

6. Specifications.

The new BMW 4 Series Convertible.



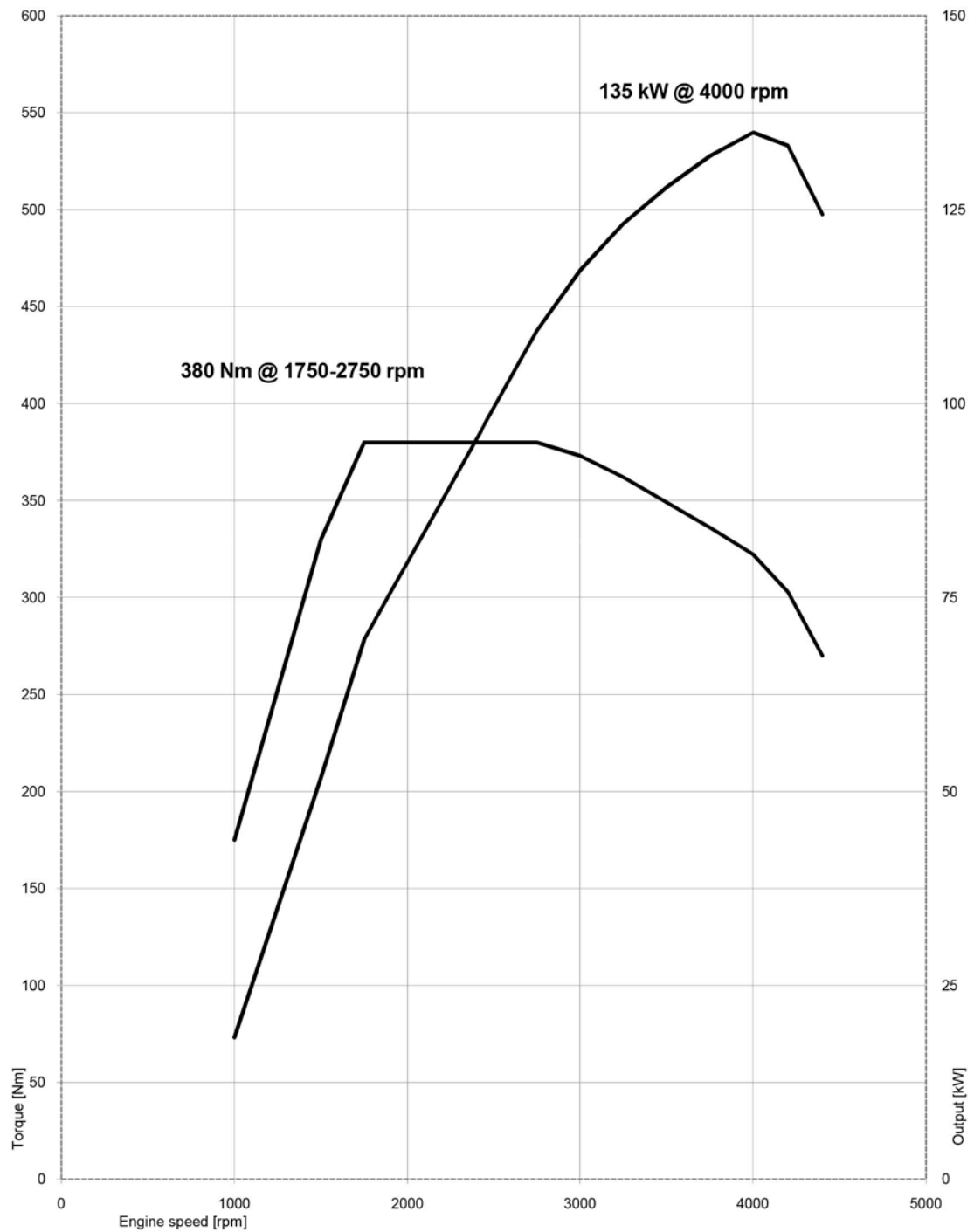
		BMW 420d	BMW 428i	BMW 435i
Body				
No of doors/seats		2/4	2/4	2/4
Length/width/height (unladen)	mm	4638/1825/1384	4638/1825/1384	4638/1825/1384
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1545/1594	1545/1594	1545/1594
Ground clearance	mm	130	130	130
Turning circle	m	11.3	11.3	11.3
Fuel Tank capacity	app ltr	57	60	60
Cooling system incl heater	ltr	7.0 (7.0)	8.2 (9.1)	6.7 (7.2)
Engine oil ¹⁾	ltr	5.2	5.0	6.5
Weight, unladen, to DIN/EU	kg	1680/1755 (1690/1765)	1680/1755 (1700/1775)	1740/1815 (1750/1825)
Max load to DIN	kg	470	460	460
Max permissible load	kg	2150 (2160)	2140 (2160)	2200 (2210)
Max axle load, front/rear	kg	965/1230	960/1230	1015/1230
Max trailer load (12%), braked/unbraked	kg	1600/745	1600/745	1700/750
Max roofload/max towbar downl	kg	--/75	--/75	--/75
Luggage comp capacity	ltr	220–370	220–370	220–370
Air drag	Cd x A	0.28 x 2.16	0.30 x 2.16	0.31 x 2.16
Power Unit				
Config/No of cyls/valves		In-line/4/4	In-line/4/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology with variable- geometry turbocharger, Common Rail direct injection	BMW TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Petrol Injection	
Capacity, effective	cc	1995	1997	2979
Stroke/bore	mm	90.0/84.0	90.1/84.0	89.6/84.0
Compression ratio	:1	16.5	10.0	10.2
Fuel		Diesel	min. ROZ 91	min. ROZ 91
Max output	kW/hp	135/184	180/245	225/306
at	rpm	4000	5000–6500	5800–6000
Max torque	Nm/lb-ft	380 (280)	350 (258)	400 (295)
at	rpm	1750–2750	1250–4800	1200–5000
Electrical System				
Battery / installation	Ah/–	90/Luggage compartment	90/Luggage compartment	90/Luggage compartment
Alternator	AW	175/2450	170/2380	210/2940
Driving Dynamics and Safety				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber		
Suspension, rear		Five-link axle in lightweight construction		
Brakes, front		Single-piston floating-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		
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, crash-activated head restraints at the front, roll-over protection system, crash sensors, Tyre Defect Indicator		
Steering		Electric Power Steering (EPS)		
Steering transmission, overall	:1	15.0	15.0	15.0
Tyres, front/rear		225/50 R17 94W	225/50 R17 94W	225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy	7.5J x 17 light alloy

			BMW 420d	BMW 428i	BMW 435i
Transmission					
Type of transmission		Six-speed manual (optional: eight-speed automatic)			
Gear ratios	I	:1	4.110 (4.714)	3.683 (4.714)	4.110 (4.714)
	II	:1	2.284 (3.143)	2.062 (3.143)	2.284 (3.143)
	III	:1	1.403 (2.106)	1.313 (2.106)	1.403 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)	1.000 (1.667)
	V	:1	0.802 (1.285)	0.809 (1.285)	0.802 (1.285)
	VI	:1	0.659 (1.000)	0.677 (1.000)	0.659 (1.000)
	VII	:1	----- (0.839)	----- (0.839)	----- (0.839)
	VII	:1	----- (0.667)	----- (0.667)	----- (0.667)
	R	:1	3.727 (3.295)	3.348 (3.295)	3.727 (3.295)
Final drive		:1	3.385 (2.813)	3.909 (3.154)	3.231 (3.154)
Performance					
Power-to-weight ratio		kg/kW	12.4 (12.5)	9.3 (9.4)	7.7 (7.8)
Output per litre		kW/ltr	67.7	90.1	75.5
Acceleration	0–100 km/h	sec	8.2 (8.2)	6.4 (6.4)	5.6 (5.5)
Standing-start km		sec	28.9 (28.9)	26.2 (26.5)	24.9 (24.9)
In 4th/5th gear	80–120 km/h	sec	6.5/8.3 (–)	6.1/7.9 (–)	5.6/6.8 (–)
Top speed		km/h	235 (228)	250 (250)	250 (250)
BMW EfficientDynamics					
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering, Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized warm-up behaviour, tyres with reduced rolling resistance			
Fuel Consump in EU					
Cycle Standard Wheels:					
Urban	ltr/100 km		6.0 (5.7)	8.8 (8.6)	11.4 (10.8)
Extra-urban	ltr/100 km		4.5 (4.3)	5.7 (5.5)	6.2 (5.6)
Combined	ltr/100 km		5.1 (4.8)	6.8 (6.6)	8.1 (7.5)
CO ₂	g/km		133 (127)	159 (154)	190 (176)
Emission rating			EU6	EU6	EU6

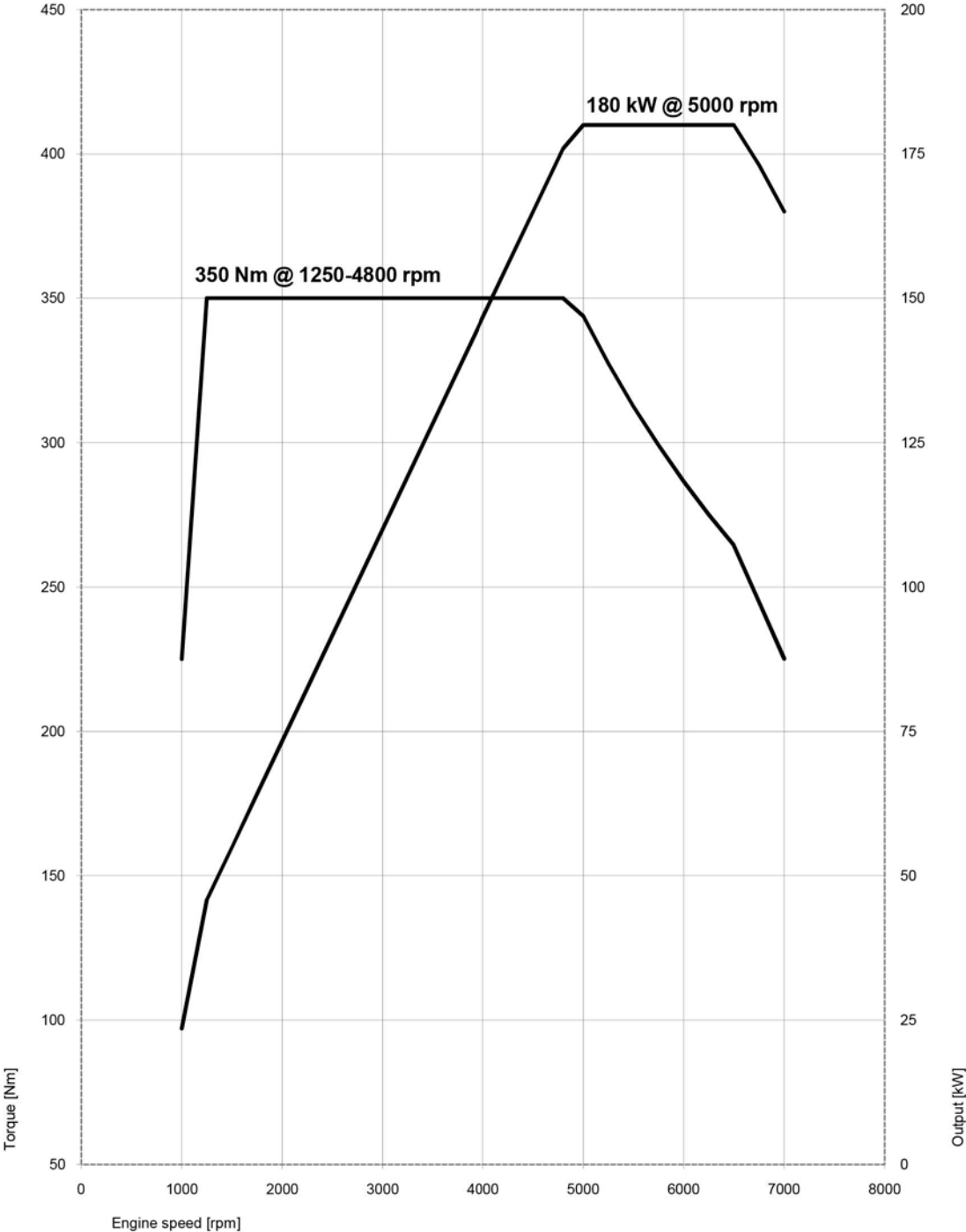
Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)
Figures in brackets apply to models with automatic transmission

¹⁾ Oil change

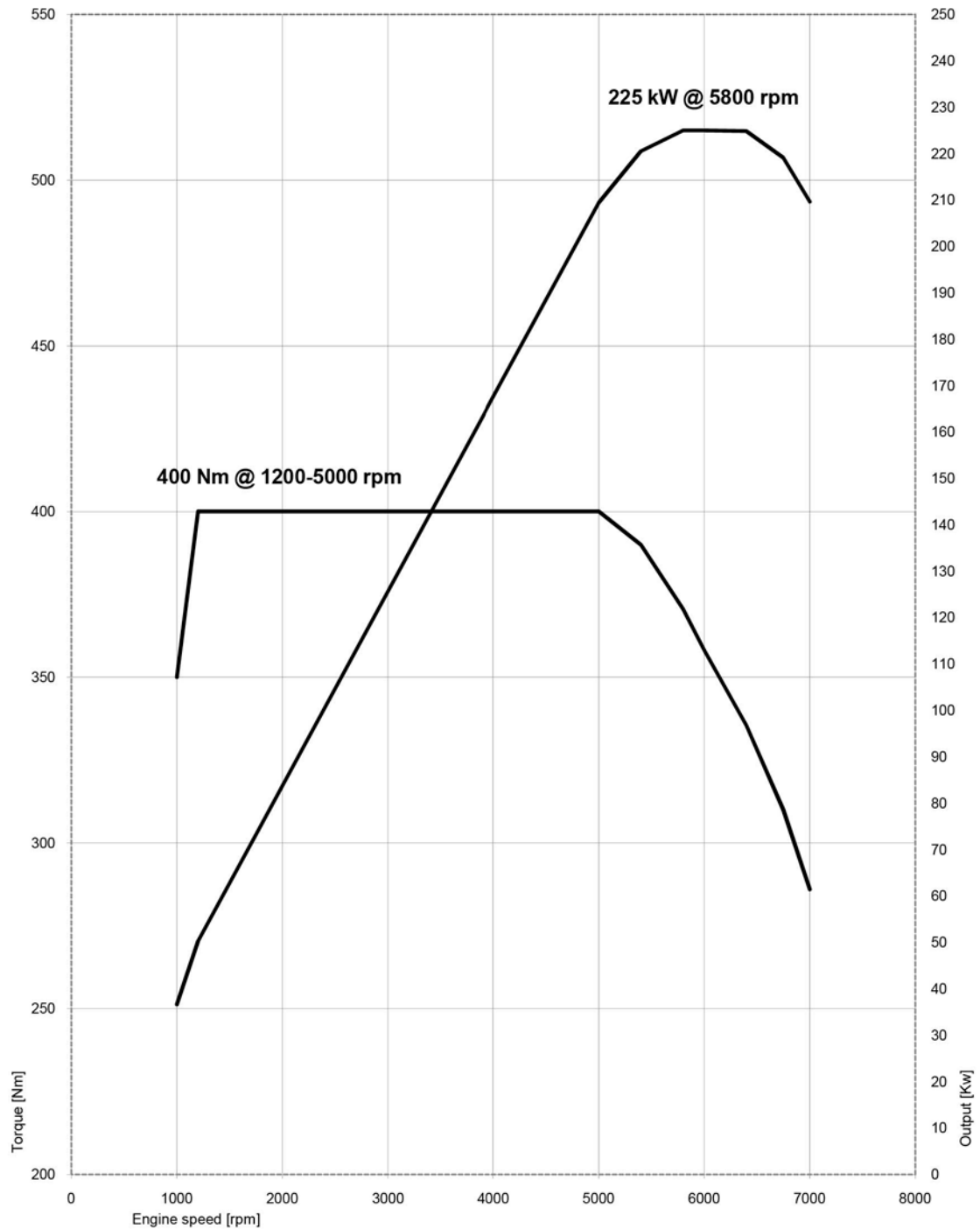
7. Output and torque diagrams. The new BMW 4 Series Convertible. 420d.



The new BMW 4 Series Convertible. 428i.



The new BMW 4 Series Convertible. 435i.



8. Exterior and interior dimensions. The new BMW 4 Series Convertible.

