

1. Specifications.

The new BMW 4 Series Gran Coupé. 420i.



BMW 420i		
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4638/1825/1389
Wheelbase	mm	2810
Track, front/rear	mm	1545/1594
Ground clearance	mm	130
Turning circle	m	11.3
Fuel tank capacity	app l	60
Cooling system incl heater	l	7.6
Engine oil ¹⁾	l	5.0
Weight, unladen, to DIN/EU	kg	1480/1555 (1505/1580)
Max load to DIN	kg	560
Max permissible	kg	2040 (2065)
Max axle load, front/rear	kg	920/1195
Max trailer load (12%), braked/unbraked	kg	1400/695 (1500/695)
Max roofload/max towbar downl	kg	75/75
Luggage comp capacity	l	480–1300
Air drag	C _d x A	0.29 x 2.16
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Petrol Injection
Capacity, effective	cc	1997
Stroke/bore	mm	90.1/84.0
Compression ratio	:1	11.0
Fuel		min. ROZ 91
Max output	kW/hp	135/184
at	rpm	5000–6250
Max torque	Nm/lb-ft	270
at	rpm	1250–4500
Electrical System		
Battery/installation	Ah/–	90/Luggage compartment
Alternator	A/W	170 ³
Driving Dynamics and Safety		
Suspension, front		Aluminum double-joint spring strut axle with displaced camber
Suspension, rear		Five-link axle in lightweight steel construction
Brakes, front		Single-piston floating-caliper disc brakes/vented
Brakes, rear		Single-piston floating-caliper 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
Steering		Electric Power Steering (EPS)
Steering transmission, overall	:1	15.0
Tires, front/rear		225/50 R17 94W
Rims, front/rear		7.5J x 17 Light Alloy

BMW 420i

Transmission

Type of transmission	Six-speed manual (optional: eight-speed Steptronic)		
Gear ratios	I	:1	3.498 (4.714)
	II	:1	2.005 (3.143)
	III	:1	1.313 (2.106)
	IV	:1	1.000 (1.667)
	V	:1	0.809 (1.285)
	VI	:1	0.701 (1.000)
	VII	:1	----- (0.839)
	VIII	:1	----- (0.667)
	R	:1	3.187 (3.295)
Final drive		:1	3.077 (3.154)

Performance

Power-to-weight ratio	kg/kW	11.0 (11.1)
Output per liter	kW/l	67.6
Acceleration 0–100 km/h	sec	7.5 (7.6)
Standing-start km	sec	³⁾
In 4th/5th gear 80–120 km/h	sec	³⁾ 9.4 (–)
Top speed	km/h	236 (236)

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-regulated oil pump, differential with optimized warm-up behavior, tires with reduced rolling resistance
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Fuel Consump in the ECE test cycle²⁾

Cycle Standard Wheels:		
Urban	l/100 km	8.7 (8.2)
Extra-urban	l/100 km	5.1 (4.9)
Combined	l/100 km	6.4 (6.1)
CO ₂	g/km	149 (142)
Emission rating		EU6

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

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

The new BMW 4 Series Gran Coupé. 428i, 428i xDrive, 435i.

		BMW 428i	BMW 428i xDrive	BMW 435i
Body				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4638/1825/1389	4638/1825/1404	4638/1825/1389
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1545/1594	1544/1590	1545/1594
Ground clearance	mm	130	145	130
Turning circle	m	11.3	11.8	11.3
Fuel Tank capacity	app l	60	60	60
Cooling system incl heater	l	7.6	7.6	7.2
Engine oil ¹⁾	l	5.0	5.0	6.5
Weight, unladen, to DIN/EU	kg	1510/1585 (1530/1605)	1580/1655 (1595/1670)	1575/1650 (1585/1660)
Max load to DIN	kg	560	560	560
Max permissible	kg	2070 (2090)	2140 (2155)	2135 (2145)
Max axle load, front/rear	kg	930/1210	990/1220	985/1220
Max trailer load (12%), braked/unbraked	kg	1600/745	1700/750	1700/750
Max roofload/max towbar downl	kg	75/75	75/75	75/75
Luggage comp capacity	l	480–1300	480–1300	480–1300
Air drag	C _d x A	0.29 x 2.16	0.30 x 2.16	0.29 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 twin-scroll turbocharging, High Precision Direct Petrol Injection		
Capacity, effective	cc	1997	1997	2979
Stroke/bore	mm	90.1/84.0	90.1/84.0	89.6/84.0
Compression ratio	:1	10.0	10.0	10.2
Fuel		min. ROZ 91	min. ROZ 91	min. ROZ 91
Max output	kW/hp	180/245	180/245	225/306
at	rpm	5000–6500	5000–6500	5800–6400
Max torque	Nm/lb-ft	350	350	400
at	rpm	1250–4800	1250–4800	1200–5000
Electrical System				
Battery/installation	Ah/–	90/Luggage compartment	90/Luggage compartment	90/Luggage compartment
Alternator	A/W	170 ²⁾	170 ²⁾	170 ²⁾
Driving Dynamics and Safety				
Suspension, front		Aluminum double-joint spring strut axle with displaced camber		
Suspension, rear		Five-link axle in lightweight steel construction		
Brakes, front		Single-piston floating-caliper disc brakes/vented		
Brakes, rear		Single-piston floating-caliper disc brakes/vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (428i xDrive), 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		
Steering		Electric Power Steering (EPS)	Hydraulic Power Steering	Electric Power Steering (EPS)
Steering transmission, overall	:1	15.0	15.2	15.0
Tires, 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 428i	BMW 428i xDrive	BMW 435i
Transmission					
Type of transmission			Six-speed manual (optional: eight-speed Steptronic)		
Gear ratios	I	:1	3.498 (4.714)	4.110 (4.714)	4.110 (4.714)
	II	:1	2.005 (3.143)	2.315 (3.143)	2.315 (3.143)
	III	:1	1.313 (2.106)	1.542 (2.106)	1.542 (2.106)
	IV	:1	1.000 (1.667)	1.179 (1.667)	1.179 (1.667)
	V	:1	0.809 (1.285)	1.000 (1.285)	1.000 (1.285)
	VI	:1	0.701 (1.000)	0.846 (1.000)	0.846 (1.000)
	VII	:1	----- (0.839)	----- (0.839)	----- (0.839)
	VIII	:1	----- (0.667)	----- (0.667)	----- (0.667)
	R	:1	3.187 (3.295)	3.727 (3.295)	3.727 (3.295)
Final drive		:1	3.909 (3.154)	3.385 (3.154)	3.231 (3.154)
Performance					
Power-to-weight ratio	kg/kW		8.4 (8.5)	8.8 (8.9)	7.0 (7.0)
Output per liter	kW/l		90.1	90.1	75.5
Acceleration 0–100 km/h	sec		6.1 (6.0)	5.8 (6.0)	5.5 (5.2)
Standing-start km	sec		³⁾	³⁾	³⁾
In 4th/5th gear 80–120 km/h	sec		³⁾ 7.1 (–)	³⁾ 6.8 (–)	³⁾ 6.1 (–)
Top speed	km/h		250 (250)	250 (250)	250 (250)
BMW EfficientDynamics					
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering (except for 428i xDrive), Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized warm-up behavior, tires with reduced rolling resistance			
Fuel Consump in the ECE test cycle ²⁾					
Cycle Standard Wheels:					
Urban	l/100 km		8.9 (8.2)	9.0 (8.7)	11.4 (10.7)
Extra-urban	l/100 km		5.3 (5.2)	5.5 (5.5)	6.2 (5.6)
Combined	l/100 km		6.6 (6.3)	6.8 (6.7)	8.1 (7.5)
CO ₂	g/km		154 (147)	159 (157)	189 (174)
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 eight-speed Steptronic transmission

¹⁾ Oil change quantity

²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

The new BMW 4 Series Gran Coupé. 418d, 420d, 420d xDrive.

		BMW 418d	BMW 420d	BMW 420d xDrive
Body				
No of doors/seats		4/5	4/5	4/5
Length/width/height (unladen)	mm	4638/1825/1389	4638/1825/1389	4638/1825/1404
Wheelbase	mm	2810	2810	2810
Track, front/rear	mm	1557/1605	1545/1594	1544/1590
Ground clearance	mm	130	130	145
Turning circle	m	11.3	11.3	11.8
Fuel Tank capacity	app l	57	57	57
Cooling system incl heater	l	7.0	7.0	7.0
Engine oil ¹⁾	l	5.2	5.2	5.2
Weight, unladen, to DIN/EU	kg	1490/1565 (1510/1585)	1510/1585 (1525/1600)	1585/1660 (1600/1675)
Max load to DIN	kg	560	560	560
Max permissible	kg	2050 (2070)	2070 (2085)	2145 (2160)
Max axle load, front/rear	kg	920/1200	940/1200	995/1215
Max trailer load (12%), braked/unbraked	kg	1600/745	1600/745	1600/750
Max roofload/max towbar downl	kg	75/75	75/75	75/75
Luggage comp capacity	l	480–1300	480–1300	480–1300
Air drag	C _d x A	0.27 x 2.16	0.28 x 2.16	0.29 x 2.16
Power Unit				
Config/No of cyls/valves		In-line/4/4	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	1995	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	105/143	135/184	135/184
at	rpm	4000	4000	4000
Max torque	Nm/lb-ft	320	380	380
at	rpm	1750–2500	1750–2750	1750–2750
Electrical System				
Battery/installation	Ah/–	90/Luggage compartment	90/Luggage compartment	90/Luggage compartment
Alternator	A/W	170 ²⁾	170 ²⁾	170 ²⁾
Driving Dynamics and Safety				
Suspension, front		Aluminum double-joint spring strut axle with displaced camber		
Suspension, rear		Five-link axle in lightweight steel construction		
Brakes, front		Single-piston floating-caliper disc brakes/vented		
Brakes, rear		Single-piston floating-caliper disc brakes/vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), networked with xDrive all-wheel-drive system in Integrated Chassis Management (420d xDrive), 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		
Steering		Electric Power Steering (EPS)	Electric Power Steering (EPS)	Hydraulic Power Steering
Steering transmission, overall	:1	15.0	15.0	15.2
Tires, front/rear		205/60 R16 92V	225/50 R17 94W	225/50 R17 94W
Rims, front/rear		6.0J x 16 Light Alloy	7.5J x 17 Light Alloy	7.5J x 17 Light Alloy

			BMW 418d	BMW 420d	BMW 420d xDrive	
Transmission						
Type of transmission			Six-speed manual (optional: eight-speed Steptronic)			
Gear ratios		I	:1	4.323 (4.714)	4.110 (4.714)	4.110 (4.714)
		II	:1	2.456 (3.143)	2.248 (3.143)	2.248 (3.143)
		III	:1	1.659 (2.106)	1.403 (2.106)	1.403 (2.106)
		IV	:1	1.230 (1.667)	1.000 (1.667)	1.000 (1.667)
		V	:1	1.000 (1.285)	0.802 (1.285)	0.802 (1.285)
		VI	:1	0.848 (1.000)	0.659 (1.000)	0.659 (1.000)
		VII	:1	----- (0.839)	----- (0.839)	----- (0.839)
		VIII	:1	----- (0.667)	----- (0.667)	----- (0.667)
		R	:1	3.938 (3.295)	3.727 (3.295)	3.727 (3.295)
Final drive			:1	3.231 (2.813)	3.231 (2.813)	3.231 (2.813)
Performance						
Power-to-weight ratio		kg/kW	14.2 (14.4)	11.2 (11.3)	11.7 (11.9)	
Output per liter		kW/l	52.6	67.7	67.6	
Acceleration 0–100 km/h		sec	9.2 (9.1)	7.7 (7.5)	7.7 (7.5)	
Standing-start km		sec	³⁾	³⁾	³⁾	
In 4th/5th gear 80–120 km/h		sec	³⁾ /10.2 (–)	³⁾ /7.9 (–)	³⁾ /8.5 (–)	
Top speed		km/h	213 (213)	236 (231)	234 (229)	
BMW EfficientDynamics						
BMW EfficientDynamics standard features		Brake Energy Regeneration, electromechanical power steering (except for 420d xDrive), Auto Start Stop function, gear shift indicator (manual transmission) ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimized warm-up behavior, tires with reduced rolling resistance				
Fuel Consump in the ECE test cycle ²⁾						
Cycle Standard Wheels:						
Urban		l/100 km	5.4 (5.5)	5.8 (5.4)	6.1 (5.7)	
Extra-urban		l/100 km	4.0 (4.0)	4.1 (4.1)	4.2 (4.3)	
Combined		l/100 km	4.5 (4.5)	4.7 (4.6)	4.9 (4.8)	
CO ₂		g/km	119 (119)	124 (121)	129 (127)	
Emission rating			EU6	EU6	EU6	

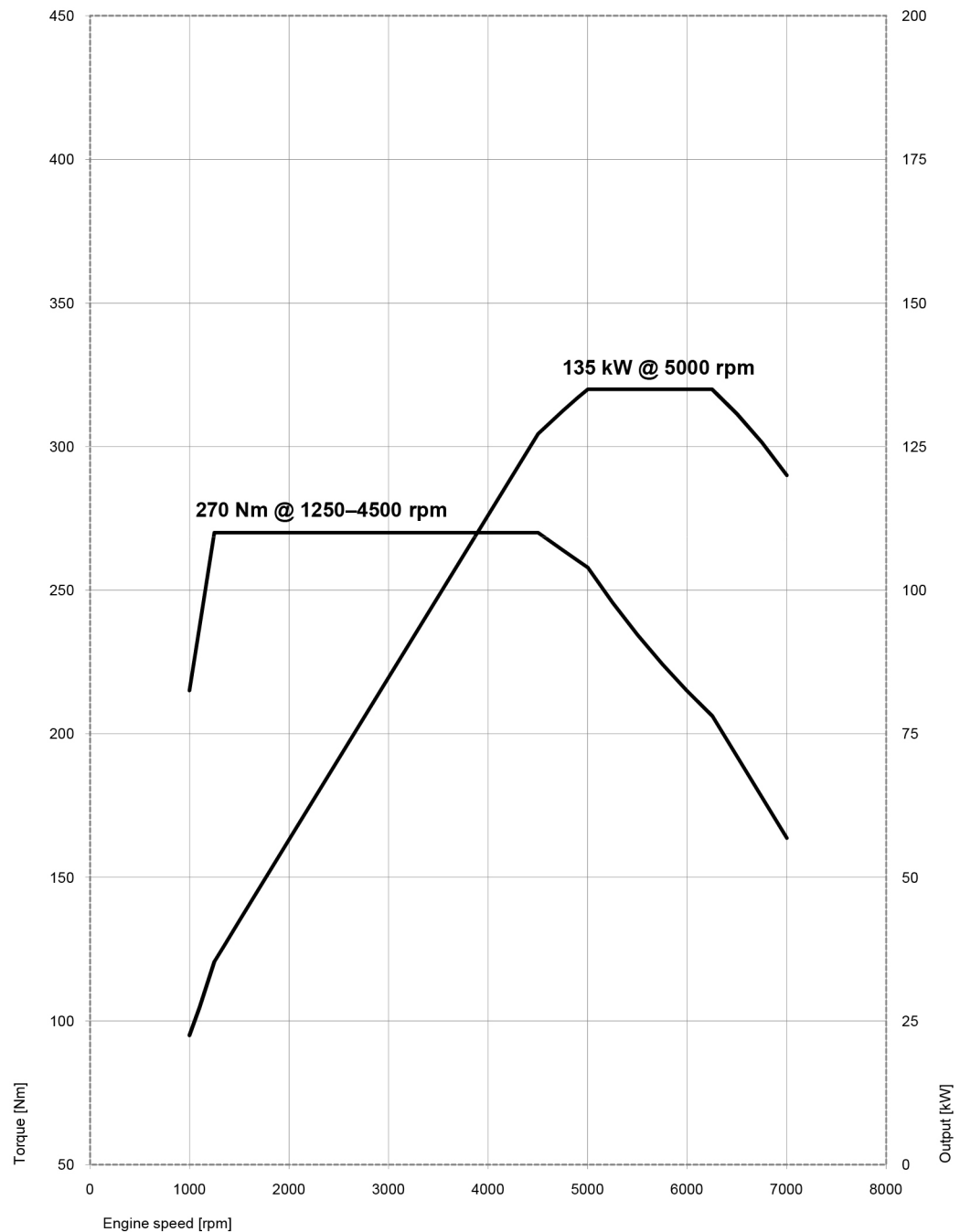
Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)
Figures in brackets apply to models with eight-speed Steptronic transmission

¹⁾ Oil change quantity

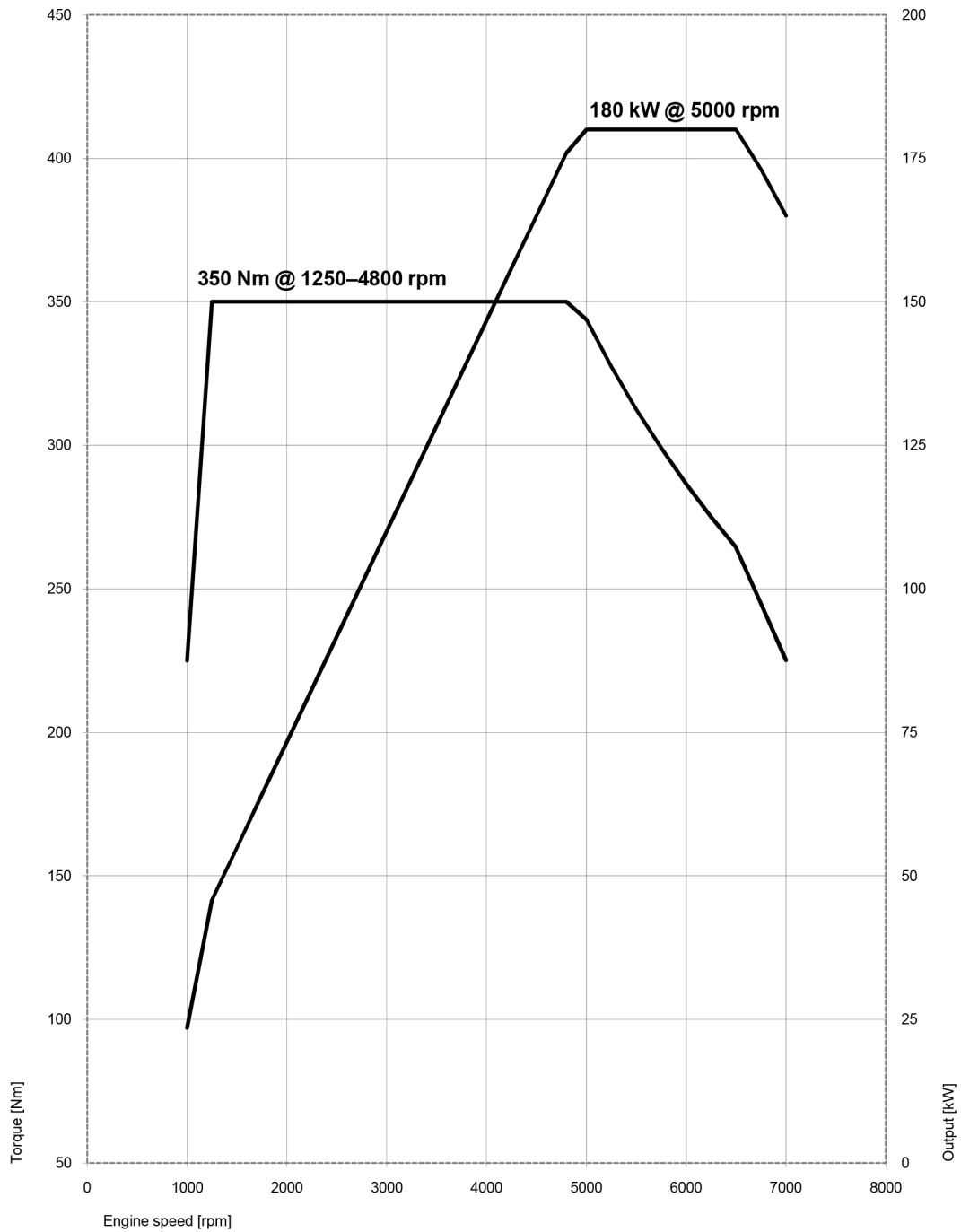
²⁾ Fuel consumption and CO₂ emission values depend on the tire format specified

³⁾ Data not available yet

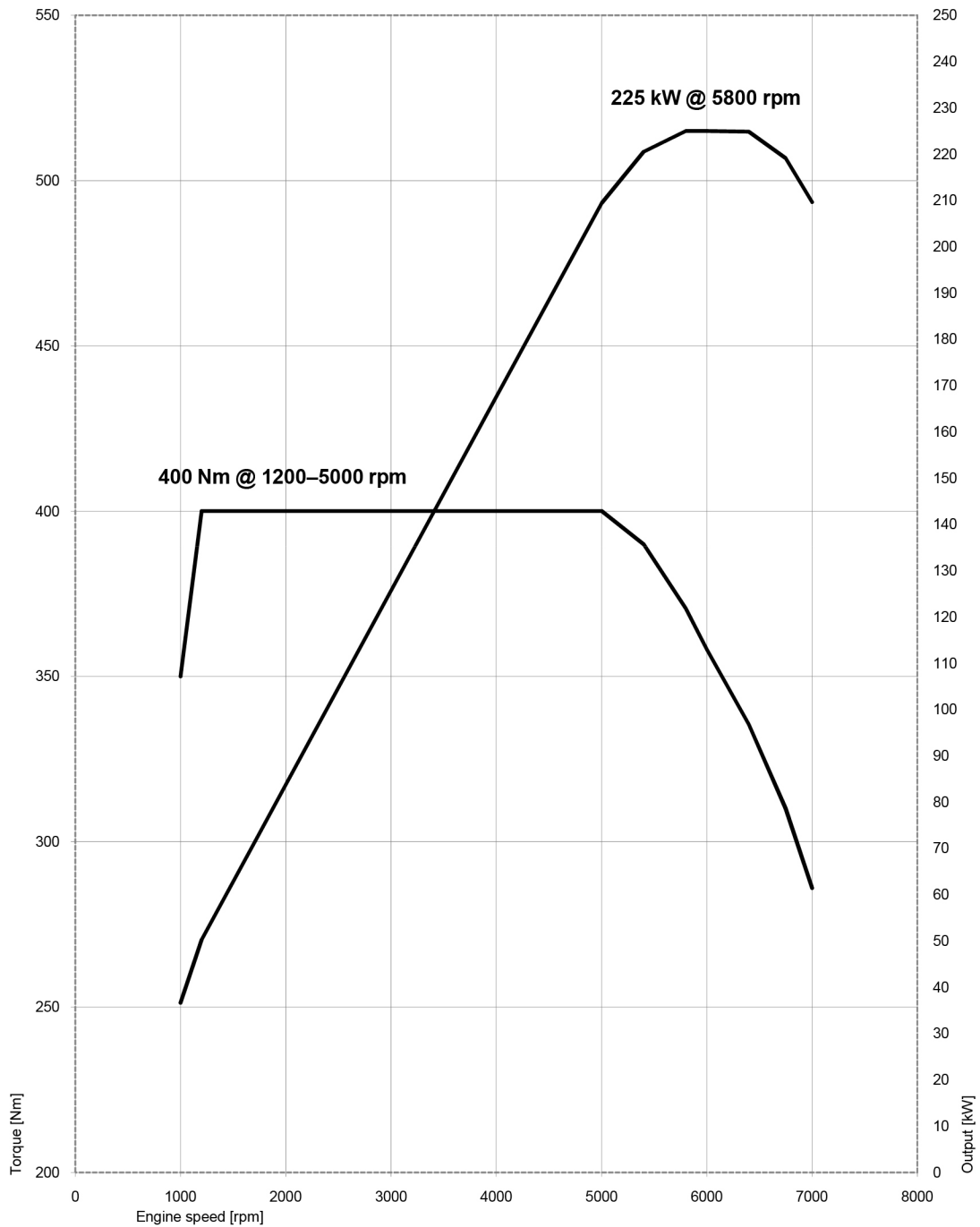
2. Performance and torque diagrams. The new BMW 4 Series Gran Coupé. 420i.



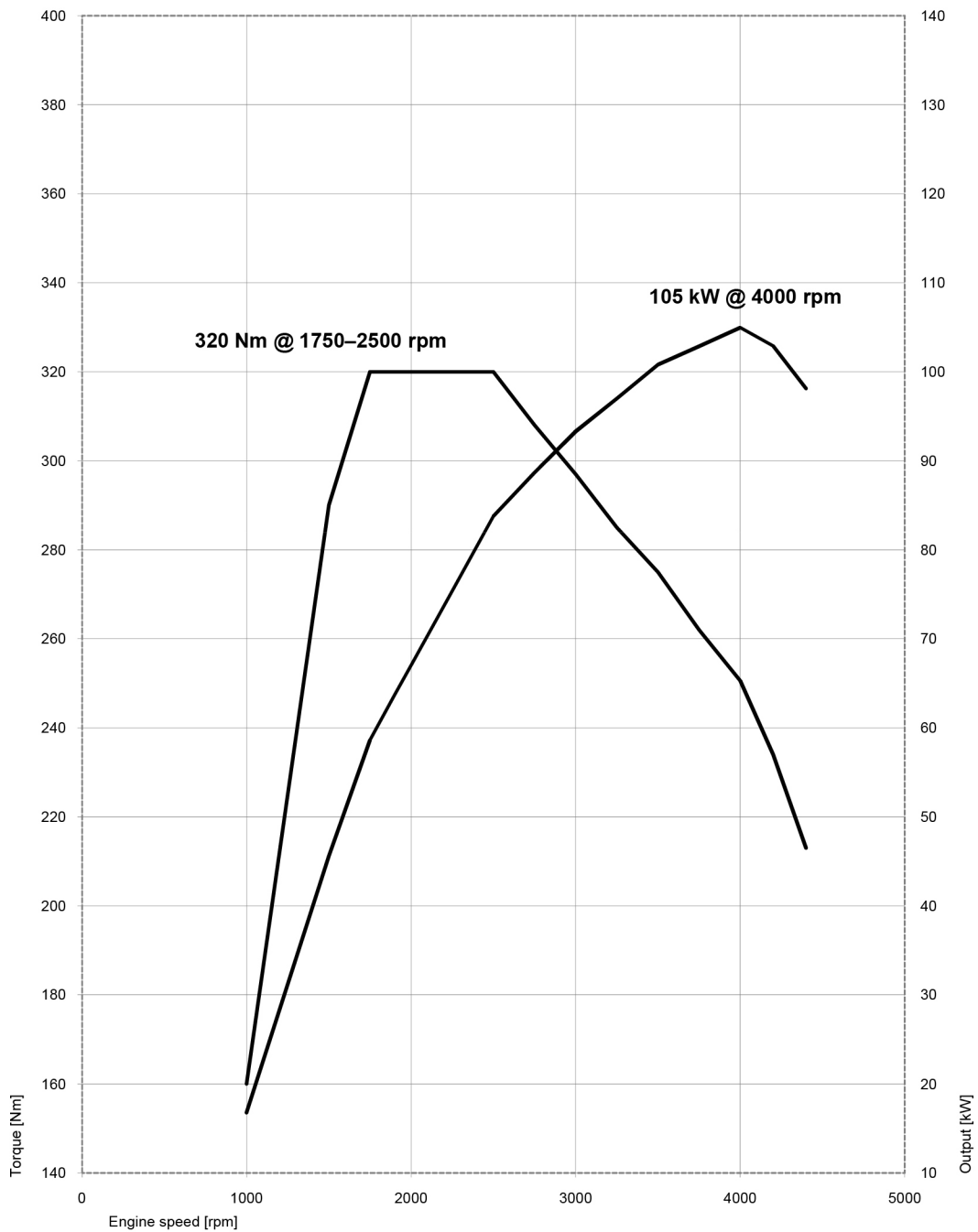
The new BMW 4 Series Gran Coupé. 428i.



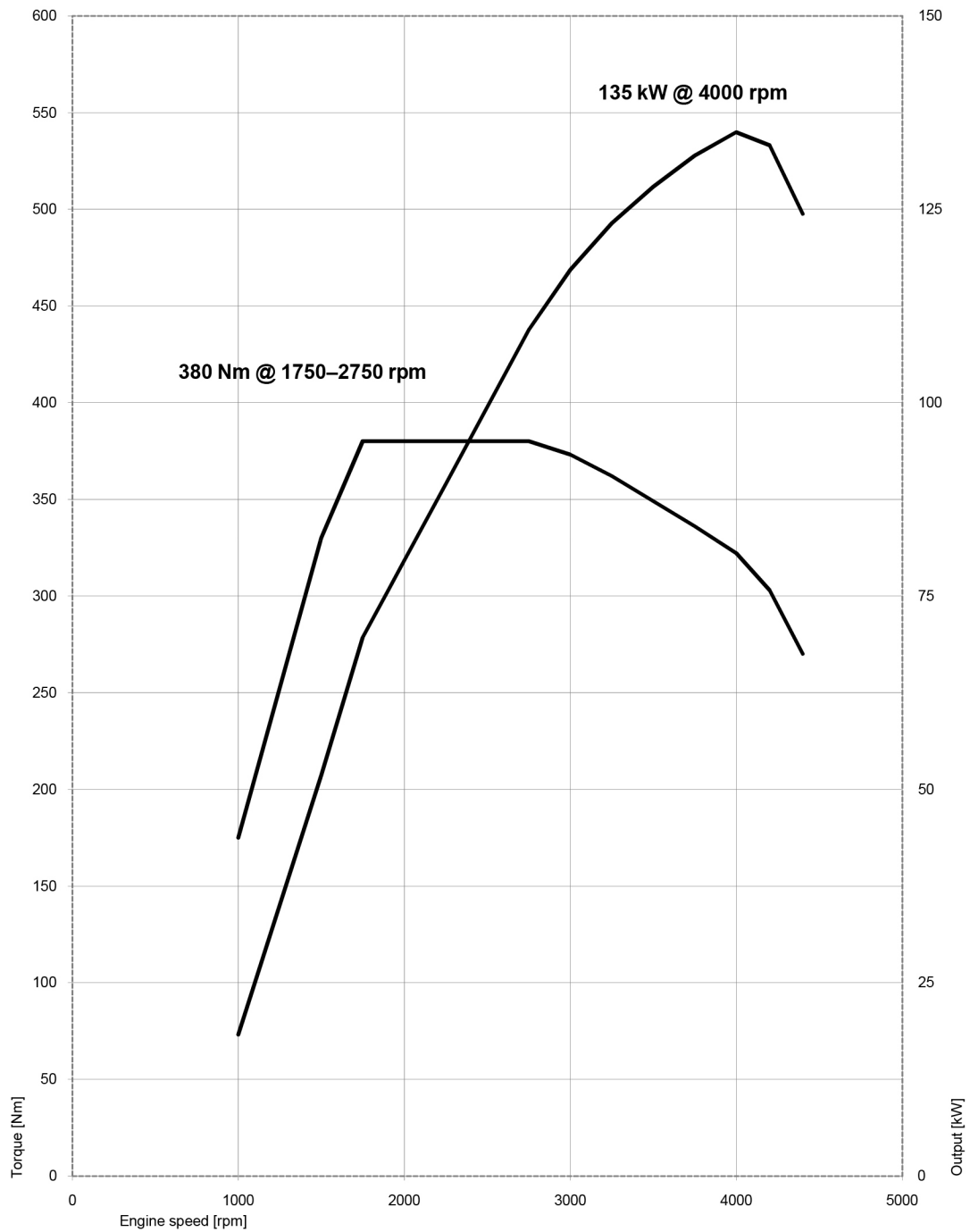
The new BMW 4 Series Gran Coupé. 435i.



The new BMW 4 Series Gran Coupé. 418d.



The new BMW 4 Series Gran Coupé. 420d.



8. Exterior and interior dimensions.

