

Specifications. The BMW 4 Series Convertible. 420d.



BMW 420d Convertible		
Body		
No of doors/seats		2/4
Length/width/height (unladen)	mm	4638/1825/1384
Wheelbase	mm	2810
Track, front/rear	mm	1545/1594
Ground clearance	mm	130
Turning circle	m	11,3
Fuel tank capacity	app ltr	57
Cooling system incl heater	ltr	7,0
Engine oil ¹⁾	ltr	5,2
Weight, unladen, to DIN/EU	kg	1680/1755 (1690/1765)
Max load to DIN	kg	470
Max permissible weight	kg	2150 (2160)
Max axle load, front/rear	kg	965/1230
Max trailer load, Braked (12%)/unbraked	kg	1600/745
Max roofload/max towbar download	kg	--/75
Luggage comp capacity	ltr	220–370
Air resistance	Cd x A	0,28 x 2,16
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	1995
Stroke/bore	mm	90,0/84,0
Compression ratio	:1	16,5
Fuel		Diesel
Max output	kW/hp	135/184
at	rpm	4000
Max torque	Nm/lb-ft	380
at	rpm	1750–2750
Electrical System		
Battery / installation	Ah/-	90/ Luggage compartment
Alternator	AW	175/n.b.
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, optional: Dynamic Suspension Control, 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 seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS), Servotronic Function optional: Variable Sport Steering
Steering ratio, overall	:1	15,0
Tyres, front/rear		225/50 R17 94W
Rims, front/rear		7,5J x 17 light alloy

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Transmission

Type of transmission	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4,110 (4,714)
	II	:1	2,248 (3,143)
	III	:1	1,403 (2,106)
	IV	:1	1,000 (1,667)
	V	:1	0,802 (1,285)
	VI	:1	0,659 (1,000)
	VII	:1	--- (0,839)
	VII	:1	--- (0,667)
	R	:1	3,727 (3,295)
Final drive		:1	3,385 (2,813)

Performance

Power-to-weight ratio	kg/kW	12,4 (12,5)
Output per litre	kW/ltr	67,7
Acceleration 0–100 km/h	sec	8,2 (8,2)
0–1000 m	sec	28,9 (28,9)
In 4th/5th gear 80–120 km/h	sec	6,5/8,3 (-)
Top speed	km/h	235 (228)

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, Optimum Shift Indicator (manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE²

With standard tyres		
Urban	ltr/100 km	6,0 (5,7)
Extra-urban	ltr/100 km	4,5 (4,3)
Combined	ltr/100 km	5,1 (4,8)
CO ₂	g/km	133 (127)
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 automatic transmission

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format