

Specifications. BMW 4 Series Coupe. 420d xDrive



BMW 420d xDrive Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1392
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		145
Turning circle	m		11.8
Fuel capacity	approx. l		57
Cooling and heating system reservoir capacity	l		7.0
Engine oil capacity ²⁾	l		5.2
Weight, unladen (DIN/EU)	kg		1530 / 1605 (1540 / 1615)
Payload (DIN)	kg		520
Permitted total weight	kg		2050 (2060)
Permitted axle load, front/rear	kg		980 / 1120
Permitted trailer load (12%) braked/unbraked	kg		1600 / 750 (1600 / 750)
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		445
Aerodynamic drag	c _d x A		0.29 x 2.16
Engine			
Type/no. of cylinders/valves			in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)		
Effective capacity	cc		1995
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		135 / 184
at rpm	min ⁻¹		4000
Torque	Nm		380
at rpm	min ⁻¹		1750 – 2750
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		170 / 2380
Driving Dynamics and Safety			
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive		
Rear suspension	Five-link axle in lightweight steel construction		
Front brakes	Single-piston floating-calliper disc brakes, inner-vented		
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM);		
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator		
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering		
Overall steering ratio	:1		15.0
Front/rear tyres			225/50 R17 94W
Front/rear wheels			7,5J x 17 light-alloy

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Transmission

Type of gearbox	6-speed manual (optional: 8-speed automatic with 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)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.231 (2.813)

Performance

Weight-to-power ratio (DIN unladen)	kg/kW	11.3 (11.4)
Specific power output	kW/l	67.7
Acceleration 0–100 km/h	sec.	7.5 (7.3)
0–1,000 m	sec.	27.9 (27.7)
in 4th/5th gear 80–120 km/h	sec.	6.3 / 8.1
Max. speed	km/h	236 (229)

BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator (manual), ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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Fuel consumption (EU) ³⁾

With standard wheels and tyres		
Urban	l/100 km	5.9 (5.6)
Extra-urban	l/100 km	4.1 (4.2)
Total	l/100 km	4.8 (4.7)
CO ₂ emissions	g/km	126 (124)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres		
Urban	l/100 km	6.0 (5.8)
Extra-urban	l/100 km	4.2 (4.3)
Combined	l/100 km	4.9 (4.9)
CO ₂ emissions	g/km	129 (128)
Emissions standard		EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height including roof aerial

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format