

Specifications. BMW 4 Series Coupe. 430d



BMW 430d Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1377
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		130
Turning circle	m		11.3
Fuel capacity	approx. l		57
Cooling and heating system reservoir capacity	l		⁴⁾
Engine oil capacity ²⁾	l		6.5
Weight, unladen (DIN/EU)	kg		1540 / 1615
Payload (DIN)	kg		520
Permitted total weight	kg		2060
Permitted axle load, front/rear	kg		985 / 1120
Permitted trailer load (12%) braked/unbraked	kg		1800 / 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 / 6 / 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		2993
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		190 / 258
at rpm	min ⁻¹		4000
Torque	Nm		560
at rpm	min ⁻¹		2000 – 3000
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		220 / 3080
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		
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		8-speed automatic with Steptronic	
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Differential ratio		:1	2.563
Performance			
Weight-to-power ratio (DIN unladen)		kg/kW	8.1
Specific power output		kW/l	63.5
Acceleration	0–100 km/h	sec.	5.5
	0–1,000 m	sec.	25.0
in 4th/5th gear	80–120 km/h	sec.	–
Max. speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, 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	
Fuel consumption (EU) ³⁾			
With standard wheels and tyres			
Urban	l/100 km		5.7
Extra-urban	l/100 km		4.5
Total	l/100 km		4.9
CO ₂ emissions	g/km		129
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		5.8
Extra-urban	l/100 km		4.6
Combined	l/100 km		5.0
CO ₂ emissions	g/km		132
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany

¹⁾ Height including roof aerial

²⁾ Oil change volume

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

⁴⁾ Data not yet available