

# Specifications. BMW 4 Series Coupe. 425d



BMW 425d Coupe		
<b>Body</b>		
No. of doors/seats		2 / 4
Length/width/height (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
Engine oil capacity <sup>1)</sup>	l	5.0
Weight, unladen (DIN/EU)	kg	1505 / 1580 (1515 / 1590)
Payload (DIN)	kg	520
Permitted total weight	kg	2070 (2080)
Permitted axle load, front/rear	kg	965 / 1180
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 <sub>x</sub> x A	0.28 x 2.16
<b>Engine</b>		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable-geometry, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel type		Diesel
Output	kW/hp	165 / 224
at rpm	min <sup>-1</sup>	4400
Torque	Nm	450
at rpm	min <sup>-1</sup>	1500 – 3000
<b>Electrical</b>		
Battery charge/location	Ah/–	80 (90) / luggage compartment
<b>Driving Dynamics and Safety</b>		
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 assistant; optional: Adaptive Suspension
Safety equipment		Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags front and rear, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure 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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<b>Transmission</b>			
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)	
Gear ratios	I	:1	4.110 (5.000)
	II	:1	2.248 (3.200)
	III	:1	1.403 (2.143)
	IV	:1	1.000 (1.720)
	V	:1	0.802 (1.314)
	VI	:1	0.659 (1.000)
	VII	:1	– (0.822)
	VIII	:1	– (0.640)
	R	:1	3.727 (3.456)
Differential ratio		:1	3.462 (2.813)
<b>Performance</b>			
Weight-to-power ratio (DIN unladen)		kg/kW	9.1 (9.2)
Specific power output		kW/l	82.7
Acceleration	0–100 km/h	sec	6.5 (6.1)
in 5th gear	80–120 km/h	sec	6.4 (–)
Max. speed		km/h	247 (247)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics		Brake Energy Regeneration with recuperation display, electric power steering	
Features included as standard		(EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
<b>Fuel consumption (EU) <sup>2)</sup></b>			
with standard wheels and tyres			
Urban	l/100 km		5.6 (5.0)
Extra-urban	l/100 km		4.0 (4.1)
Total	l/100 km		4.6 (4.4)
CO <sub>2</sub> emissions	g/km		121 (116)
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		5.9 (5.4)
Extra-urban	l/100 km		4.3 (4.3)
Total	l/100 km		4.9 (4.7)
CO <sub>2</sub> emissions	g/km		129 (124)
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

<sup>1)</sup> Oil change volume

<sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format