

Specifications.

BMW 2 Series Coupe.

228i



BMW 228i Coupe	
Body	
No. of doors/seats	2 / 4
Length/width/height ¹⁾ (unladen)	mm 4432 / 1774 / 1418
Wheelbase	mm 2690
Track, front/rear	mm 1521 / 1556
Ground clearance	mm 140
Turning circle	m 10.9
Tank capacity	approx. ltr 52
Cooling system incl. heating	ltr 7.0 (7.6)
Engine oil ²⁾	ltr 5.0
Weight, unladen, to DIN/EU	kg 1385 / 1460 (1405 / 1480)
Max. load to DIN	kg 510
Max. permissible weight	kg 1895 (1915)
Max. axle load, front/rear	kg 900 / 1065
Max. trailer load, braked (12%/unbraked)	kg 1200 / 700
Max. roof load/towbar download	kg 75 / 75
Luggage comp. capacity	ltr 390
Air resistance	$C_d \times A$ 0.29 x 2.14
Engine	
Config./No. of cyls./valves	in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Direct Injection, fully variable valve control (VALVETRONIC) and double-VANOS variable camshaft control
Effective capacity	cm ³ 1997
Stroke/bore	mm 90.1 / 84.0
Compression ratio	:1 11.0
Fuel grade	min. RON 91
Output	kW/hp 180 / 245
at	rpm 5000 – 6500
Torque	Nm 350
at	rpm 1250 – 4800
Electrical System	
Battery/Installation	Ah/- 80 / luggage comp.
Alternator	AW 175 / 2450
Driving Dynamics and Safety	
Suspension, front	Aluminium double-joint spring strut axle
Suspension, rear	Five-link axle in lightweight steel construction with double elastic bearing
Brakes, front	Single-piston floating-calliper disc brakes
Brakes, rear	Single-piston floating-calliper disc brakes
Driving stability systems	Standard: DSC incl. ABS, ASC 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 front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, Tyre Defect Indicator
Steering	Electric Power Steering (EPS), optional: Servotronic function, variable sport steering
Steering ratio, overall	:1 15.0
Tyres, front/rear	205/50 R17 89W
Rims, front/rear	7J x 17 light-alloy

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Transmission

Type of gearbox	6-speed manual (optional: 8-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	3.909 (3.077)

Performance

Power-to-weight ratio (DIN)	kg/kW	7.7 (7.8)
Output per litre	kW/ltr	90.1
Acceleration	0–100 km/h	s
	0–1000 m	s
		³⁾
in 5th gear	80–120 km/h	s
Top speed	km/h	250 (250)

BMW EfficientDynamics

BMW EfficientDynamics, standard features

Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Gearshift Indicator (manual gearbox), ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, final drive with optimised warm-up behaviour, tyres with reduced roll resistance

Fuel consumption EU

Urban	ltr/100 km	8.7 (8.5)
Extra-urban	ltr/100 km	5.4 (5.1)
Combined	ltr/100 km	6.6 (6.3)
CO ₂	g/km	154 (148)
Emission rating		EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission

¹⁾ Height including roof aerial

²⁾ Oil change volume

³⁾ Data not yet available