

Specifications.

BMW 2 Series Convertible.

220i, 228i



BMW 220i Convertible		BMW 228i Convertible
Body		
No. of doors/seats	2 / 4	2 / 4
Length/width/height (unladen)	mm 4432 / 1774 / 1413	4432 / 1774 / 1413
Wheelbase	mm 2690	2690
Front/rear track	mm 1521 / 1556	1521 / 1556
Ground clearance	mm 140	140
Turning circle	m 10.9	10.9
Fuel capacity	approx. l 52	52
Cooling and heating system reservoir capacity	l 6.9 (7.6)	7.0 (7.6)
Engine oil capacity ¹⁾	l 5.0	5.0
Weight, unladen (DIN/EU)	kg 1510 / 1585 (1530 / 1605)	1535 / 1610 (1555 / 1630)
Payload (DIN)	kg 470	440
Permitted total weight	kg 1980 (2000)	1975 (1995)
Permitted axle load, front/rear	kg 885 / 1160	900 / 1130
Permitted trailer load (12%) braked/unbraked	kg 1200 / 750	1200 / 750
Permitted roof load/trailer download	kg – / 75	– / 75
Luggage compartment capacity	l 280 – 335	280 – 335
Aerodynamic drag	c _x x A 0.32 x 2.13	0.33 x 2.13
Engine		
Type/no. of cylinders/valves	in-line / 4 / 4	in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: twin-scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc 1997	1997
Stroke/bore	mm 90.1 / 84.0	90.1 / 84.0
Compression ratio	:1 11.0	10.0
Fuel type	min RON 91	min RON 91
Output	kW/hp 135 / 184	180 / 245
at rpm	min ⁻¹ 5000 – 6250	5000 – 6500
Torque	Nm 270	350
at rpm	min ⁻¹ 1250 – 4500	1250 – 4800
Electrical		
Battery charge/location	Ah/– 80 / luggage compartment	80 / luggage compartment
Alternator current/output	A/W 170 / 2380	170 / 2380
Driving Dynamics and Safety		
Front suspension	Aluminium double-joint spring strut axle	
Rear suspension	Five-link axle in lightweight steel construction with double elastic bearing	
Front brakes	Single-piston floating-calliper disc brakes	
Rear brakes	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, brake drying function, fading compensation, start-off assistant	
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags with combined head airbags, 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); optional: Servotronic function, Variable Sport Steering	
Overall steering ratio	:1 15.0	15.0
Front/rear tyres	205/55 R16 91W	205/50 R17 89Y
Front/rear wheels	7J x 16 light-alloy	7J x 17 light-alloy

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Transmission				
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.551 (4.714)	3.683 (4.714)
	II	:1	2.548 (3.143)	2.062 (3.143)
	III	:1	1.659 (2.106)	1.313 (2.106)
	IV	:1	1.230 (1.667)	1.000 (1.667)
	V	:1	1.000 (1.285)	0.809 (1.285)
	VI	:1	0.830 (1.000)	0.677 (1.000)
	VII	:1	– (0.839)	– (0.839)
	VIII	:1	– (0.667)	– (0.667)
	R	:1	4.138 (3.295)	3.348 (3.295)
Differential ratio		:1	3.154 (3.077)	3.909 (3.077)
Performance				
Weight-to-power ratio (DIN unladen)		kg/kW	11.2 (11.3)	8.5 (8.6)
Specific power output		kW/l	67.6	90.1
Acceleration	0–100 km/h	sec	7.5 (7.6)	6.1 (6.0)
in 5th gear	80–120 km/h	sec	9.3 (–)	7.2 (–)
Max. speed		km/h	231 (226)	250 (250)
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, 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		
Fuel consumption (EU) ²⁾				
with standard wheels and tyres: 7J x 16“ rims and 205/55 R16 tyres (BMW 220i Convertible), 7J x 17“ rims and 205/50 R17 tyres (BMW 228i Convertible)				
Urban		l/100 km	8.9 (8.3)	9.1 (8.8)
Extra-urban		l/100 km	5.1 (5.0)	5.5 (5.3)
Total		l/100 km	6.5 (6.2)	6.8 (6.6)
CO ₂ emissions		g/km	152 (144)	159 (154)
with 7J x 17“ rims and 205/50 R17 tyres (BMW 220i Convertible), with 7.5J x 17 rims and 225/45 R 17 tyres, with 7.5J x 17“ front rims, 8J x 17“ rear rims and 225/45 R17 front tyres, 245/40 R17 rear tyres and with winter tyres				
Urban		l/100 km	9.2 (8.5)	9.3 (9.0)
Extra-urban		l/100 km	5.3 (5.1)	5.6 (5.4)
Total		l/100 km	6.7 (6.3)	7.0 (6.7)
CO ₂ emissions		g/km	157 (148)	163 (157)
with 7.5J x 18“ front rims, 8J x 18“ rear rims and 225/40 R18 front tyres, 245/35 R18 rear tyres				
Urban		l/100 km	9.4 (8.7)	9.3 (9.0)
Extra-urban		l/100 km	5.4 (5.2)	5.6 (5.4)
Total		l/100 km	6.9 (6.5)	7.0 (6.7)
CO ₂ emissions		g/km	161 (152)	163 (157)
Emissions standard			EU6	EU6

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

¹⁾ Oil change volume

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