

# Specifications.

## BMW 2 Series Coupe.

### 220i



<b>BMW 220i Coupe</b>	
<b>Body</b>	
No. of doors/seats	2 / 4
Length/width/height <sup>1)</sup> (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 6.9 (7.6)
Engine oil <sup>2)</sup>	ltr 5.0
Weight, unladen, to DIN/EU	kg 1350 / 1425 (1365 / 1440)
Max. load to DIN	kg 510
Max. permissible weight	kg 1860 (1875)
Max. axle load, front/rear	kg 880 / 1040
Max. trailer load, braked (12%/unbraked)	kg 1200 / 680
Max. roof load/towbar download	kg 75 / 75
Luggage comp. capacity	ltr 390
Air resistance	$C_d \times A$ 0.29 x 2.14
<b>Engine</b>	
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 <sup>3</sup> 1997
Stroke/bore	mm 90.1 / 84.0
Compression ratio	:1 11.0
Fuel grade	min. RON 91
Output	kW/hp 135 / 184
at	rpm 5000 – 6250
Torque	Nm 270
at	rpm 1250 – 4500
<b>Electrical System</b>	
Battery/Installation	Ah/- 80 / luggage comp.
Alternator	AW 175 / 2450
<b>Driving Dynamics and Safety</b>	
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	205/55 R16 91V
Rims, front/rear	7J x 16 light-alloy

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#### Transmission

Type of gearbox	6-speed manual gearbox (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.551 (4.714)
	II	:1	2.548 (3.143)
	III	:1	1.659 (2.106)
	IV	:1	1.230 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.830 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	4.138 (3.295)
Final drive		:1	3.077 (3.077)

#### Performance

Power-to-weight ratio (DIN)	kg/kW	10.0 (10.1)
Output per litre	kW/ltr	67.6
Acceleration	0–100 km/h	s
	0–1000 m	s
		27.3 (27.7)
in 4th/5th gear	80–120 km/h	s
		6.9 / 8.3 (– / –)
Top speed	km/h	235 (230)

#### 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, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance

#### Fuel consumption EU <sup>3)</sup>

With standard tyres		
Urban	ltr/100 km	8.3 (7.7)
Extra-urban	ltr/100 km	4.8 (4.6)
Combined	ltr/100 km	6.1 (5.7)
CO <sub>2</sub>	g/km	142 (134)
with rims 7J x 17 and tyres 205/50 R17, with rims 7.5J x 17 and tyres 225/45 R 17 as well as winter tyres, with rims 7.5J x 17 front, 8J x 17 rear and tyres 225/45 R17 front, 245/40 R17 rear, with rims 7.5J x 18 front, 8J x 18 rear and tyres 225/40 R18 front, 245/35 R18 rear		
Urban	ltr/100 km	8.7 (8.0)
Extra-urban	ltr/100 km	5.0 (4.8)
Combined	ltr/100 km	6.3 (6.0)
CO <sub>2</sub>	g/km	148 (139)
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

<sup>1)</sup> Height including roof aerial

<sup>2)</sup> Oil change volume

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format