

Specifications BMW 1 Series Coupé. 120i, 125i, 135i



2/2011

Valid from
3/2011

		BMW 120i	BMW 125i	BMW 135i
Body				
No of doors/seats		2 / 4	2 / 4	2 / 4
Length/width/height (unladen)	mm	4360 / 1748 / 1423	4360 / 1748 / 1423	4360 / 1748 / 1408
Wheelbase	mm	2660	2660	2660
Track, front/rear	mm	1480 / 1513	1474 / 1507	1470 / 1497
Ground clearance	mm	147	147	132
Turning circle	m	10.7	10.7	10.7
Tank capacity	app ltr	53	53	53
Cooling system incl heater	ltr	7.3 (7.9)	8.2 (8.5)	8.2 (8.2)
Engine oil ¹⁾	ltr	4.3	6.5	6.5
Weight, unladen, to DINEU	kg	1300 / 1375 (1320 / 1395)	1405 / 1480 (1430 / 1505)	1455 / 1530 (1470 / 1545)
Max load to DIN	kg	440	440	440
Max permissible	kg	1740 (1760)	1845 (1870)	1895 (1910)
Max axle load, front/rear	kg	845 / 980	910 (1005)	945 (1030)
Max trailer load (12%), braked/unbraked	kg	1200 / 680	1200 / 700	-
Max roofload/max towbar downl	kg	75	75	75
Luggage comp capacity	ltr	370	370	370
Air drag	Cd x A	0.30 x 2.10	0.30 x 2.10	0.33 x 2.10
Power Unit				
Config/No of cyls/valves		Straight-four / 4	Straight-six / 4	Straight-six / 4
Engine technology		Second-generation direct injection (High Precision Injection) with lean burn	Fully variable valve control (VALVETRONIC), dual-VANOS	BMW TwinPower Turbo, second-generation direct injection (High Precision Injection), fully variable valve control (VALVETRONIC)
Capacity, effective	cc	1995	2996	2979
Stroke / bore	mm	90 / 84	88 / 85	89.6 / 84.0
Compression ratio	:1	12	10.7	10.2
Fuel		min RON 91	min RON 91	min RON 91
Max output	kW/hp	125 / 170	160 / 218	225 / 306
at	rpm	6700	6100	5800
Max torque	Nm/lb-ft	210/155	270/199	400/295
at	rpm	4250	2500-4250	1200-5000
Electrical System				
Battery/location	Ah/-	80 (70) / luggage comp	70 / luggage comp	70 / luggage comp
Alternator	A/W	180 / 2520	150 / 2100 (180 / 2520)	180 / 2520
Driving Dynamics and Safety				
Suspension, front		Double-joint tiebar spring strut axle, aluminium		
Suspension, rear		Five-arm axle, lightweight steel		
Brakes, front		Single-piston swing-calliper disc brakes	Six-piston fixed-calliper disc brakes	
Diameter	mm	300 x 24 / vented	300 x 24 / vented	338 x 26 / vented
Brakes, rear		Single-piston swing-calliper disc brakes	Two-piston fixed-calliper disc brakes	
Diameter	mm	300 x 20	300 x 20 / vented	324 x 22 / vented
Driving stability systems		Standard: DSC incl ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, BMW 125i and BMW 135i also with Dry Braking, Fading Compensation, Start-Off Assistant, BMW 135i with M sports suspension and electronic locking function on the rear axle differential		
Safety equipment		Standard: airbags for driver and front passenger (two-stage), side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seat belts on all seats, with belt retainer, belt latch tensioner and belt force limiter at the front, crash sensors, Tyre Defect Indicator		
Steering		Rack-and-pinion steering; 3.0 turns; EPS Electronic Power Steering		Hydraulic steering
Steering transmission, overall	:1	16.0	16.0	16.0
Tyres, front/rear		205/55 R16 87V	205/50 R17 89W RSC	215/40 R18 85Y RSC / 245/35 R18 88Y RSC
Rims, front/rear		7J x 16 light-alloy	7J x 17 light-alloy	7.5J x 18 light-alloy/ 8.5J x 18 light-alloy

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			BMW 120i	BMW 125i	BMW 135i	
BMW ConnectedDrive						
Comfort			Optional: BMW Assist including features such as enquiry service, remote-control function and V-Info+, BMW TeleServices, integration of mobile devices			
Infotainment			Optional: access to the internet, BMW Online including features such as Parkinfo, Nationalinfo, Google directory service, News, realtime weather, BMW Routes, Office functions, Bluetooth audio streaming, online music title update, Apps			
Safety			Optional: Adaptive Headlights with Bending Lights, High-Beam Assistant, Park Distance Control, cruise control, Automatic/Enhanced Emergency Call			
Transmission						
Type of transmission			Six-speed manual (optional: six-speed automatic transmission), BMW 135i optional: seven-speed Sports Automatic with double-clutch			
Gear ratios		I	:1	4.323 (4.171)	4.323 (4.065)	4.110 (4.780)
		II	:1	2.456 (2.340)	2.456 (2.371)	2.315 (3.056)
		III	:1	1.659 (1.521)	1.659 (1.551)	1.542 (2.153)
		IV	:1	1.230 (1.143)	1.230 (1.157)	1.179 (1.678)
		V	:1	1.000 (0.867)	1.000 (0.853)	1.000 (1.390)
		VI	:1	0.848 (0.691)	0.848 (0.674)	0.846 (1.203)
		VII	:1			– (1.000)
		Rev		3.938 (3.403)	3.938 (3.200)	3.727 (4.454)
Final drive			:1	3.636 (3.909)	3.231 (3.727)	3.077 (2.563)
Performance						
Power-to-weight ratio		kg/kW		10.4 (10.6)	8.8 (8.9)	6.5 (6.5)
Output per litre		kW/hp		62.7/88.3	53.4/72.6	75.5/102.7
Acceleration 0–100 km/h		sec		7.8 (8.4)	6.4 (7.0)	5.3 (5.2)
Standing-start km		sec		28.4 (28.9)	26.5 (27.1)	24.4 (24.3)
In 4th/5th gear 80–120 km/h		sec		7.5 / 9.6 (–)	6.8 / 8.4 (–)	5.0 / 6.0 (–)
Top speed		km/h		224 (222)	245 (243)	250 (250)
BMW EfficientDynamics						
BMW EfficientDynamics standard features			Brake Energy Regeneration, Electronic Power Steering (BMW 120i, BMW 125i), Auto Start Stop (BMW 120i with manual gearbox) and Gearshift Point Indicator (manual gearbox models), Air Curtains (BMW 120i, BMW 125i), modified M Aerodynamics Package (BMW 135i), tyres with reduced roll resistance (BMW 125i), intelligent lightweight technology, map-controlled oil pump, electrical coolant, a/c compressor detachable			
Fuel Consump in EU Cycle						
Urban		ltr/100 km		8.5 (8.9)	11.8 (11.6)	12.1 (11.7)
Extra-urban		ltr/100 km		5.3 (5.3)	5.9 (6.1)	6.4 (6.7)
Combined		ltr/100 km		6.5 (6.6)	8.1 (8.1)	8.5 (8.5)
CO ₂		g/km		152 (154)	189 (189)	198 (198)
Emission rating				EU5	EU5	EU5

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight).
Figures in brackets apply to automatic transmission models.

¹⁾ Oil change