

Specifications BMW 1 Series Convertible. 118d, 120d, 123d



2/2011

Valid from
3/2011

		BMW 118d	BMW 120d	BMW 123d
Body				
No of doors/seats		2 / 4	2 / 4	2 / 4
Length/width/height (unladen)	mm	4360 / 1748 / 1423	4360 / 1748 / 1423	4360 / 1748 / 1423
Wheelbase	mm	2660	2660	2660
Track, front/rear	mm	1484 / 1517	1480 / 1513	1474 / 1507
Ground clearance	mm	140	140	140
Turning circle	m	10.7	10.7	10.7
Tank capacity	app ltr	51	51	51
Cooling system incl heater	ltr	7.2 (7.5)	7.2 (7.5)	7.2 (7.5)
Engine oil ¹⁾	ltr	5.2	5.2	5.2
Weight, unladen, to DINEU	kg	1485 / 1560 (1500 / 1575)	1505 / 1580 (1515 / 1590)	1540 / 1615 (1540 / 1615)
Max load to DIN	kg	440	440	440
Max permissible	kg	1925 (1940)	1950 (1960)	1980 (1980)
Max axle load, front/rear	kg	890 / 1090	905 / 1095	905 / 1110
Max trailer load (12%), braked/unbraked	kg	1200 / 690	1200 / 720	1200 / 740
Max roofload/max towbar downl	kg	– / 75	– / 75	– / 75
Luggage comp capacity	ltr	260-305	260-305	260-305
Air drag	Cd x A	0.33 x 2.10	0.33 x 2.10	0.34 x 2.10
Power Unit				
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4	Straight-four / 4
Engine technology		Common-rail direct injection, turbocharger with variable intake geometry		Common-rail direct injection, BMW TwinPower Turbo (Variable Twin Turbo)
Capacity, effective	cc	1995	1995	1995
Stroke / bore	mm	90 / 84	90 / 84	90 / 84
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	105 / 143	130 / 177	150 / 204
at	rpm	4000	4000	4400
Max torque	Nm/lb-ft	300/221	350/258	400/295
at	rpm	1750-2500	1750-3000	2000-2250
Electrical System				
Battery/location	Ah/–	90 (80) / luggage comp	90 (80) / luggage comp	90 (80) / luggage comp
Alternator	A/W	180 / 2520	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		
Diameter	mm	292 x 22 / vented	300 x 24 / vented	330 x 24 / vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	300 x 20 / vented	300 x 20 / vented	300 x 20 / vented
Driving stability systems		Standard: DSC incl ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, BMW 123d with 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		
Steering transmission, overall	:1	16.0	16.0	16.0
Tyres, front/rear		195/55 R16 87H	195/55 R16 87H	205/50 R17 89W RSC
Rims, front/rear		6.5J x 16 steel	7J x 16 steel	7J x 17 light-alloy

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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)		
Gear ratios	I	:1	4.002 (4.171)	5.140 (4.171)	5.080 (4.171)
	II	:1	2.108 (2.340)	2.830 (2.340)	2.804 (2.340)
	III	:1	1.380 (1.521)	1.804 (1.521)	1.783 (1.521)
	IV	:1	1.000 (1.143)	1.257 (1.143)	1.260 (1.143)
	V	:1	0.780 (0.867)	1.000 (0.867)	1.000 (0.867)
	VI	:1	0.645 (0.691)	0.831 (0.691)	0.835 (0.691)
			:1	3.187 (3.403)	4.638 (3.403)
Final drive		:1	3.154 (3.231)	2643 (3.154)	2.786 (3.154)
Performance					
Power-to-weight ratio		kg/kW	14.1 (14.3)	11.6 (11.7)	10.3 (10.3)
Output per litre		kW/hp	52.6/71.5	65.2/88.7	75.2/102.3
Acceleration	0–100 km/h	sec	9.5 (9.6)	8.1 (8.2)	7.5 (7.6)
	Standing-start	sec	30.8 (30.9)	29.1 (29.2)	28.1 (28.2)
In 4th/5th gear	80–120	sec	8.3 / 10.9 (–)	6.8 / 8.5 (–)	6.0 / 7.2 (–)
Top speed		km/h	208 (208)	222 (220)	230 (230)
BMW EfficientDynamics					
BMW EfficientDynamics standard features			Brake Energy Regeneration, Electric Power Steering, Auto Start Stop and Gearshift Point Indicator (manual gearbox models), Air Curtains, tyres with reduced roll resistance (BMW 123d), intelligent lightweight technology, a/c compressor detachable		
Fuel Consump in EU					
Urban	ltr/100 km		5.7 (6.9)	6.2 (6.9)	6.6 (7.1)
Extra-urban	ltr/100 km		4.3 (4.7)	4.3 (4.7)	4.5 (4.8)
Combined	ltr/100 km		4.8 (5.5)	5.0 (5.5)	5.3 (5.7)
CO ₂	g/km		127 (145)	132 (145)	139 (149)
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