

Specifications BMW 1 Series Convertible. 118i, 120i



2/2011

Valid from
3/2011

BMW 118i		BMW 120i
Body		
No of doors/seats	2 / 4	2 / 4
Length/width/height (unladen)	mm 4360 / 1748 / 1411	4360 / 1748 / 1411
Wheelbase	mm 2660	2660
Track, front/rear	mm 1484 / 1517	1480 / 1513
Ground clearance	mm 140	140
Turning circle	m 10.7	10.7
Tank capacity	app ltr 53	53
Cooling system incl heater	ltr 8.4 (9.2)	8.4 (9.2)
Engine oil ¹⁾	ltr 4.3	4.3
Weight, unladen, to DINEU	kg 1420 / 1495 (1445 / 1520)	1430 / 1505 (1460 / 1535)
Max load to DIN	kg 440	440
Max permissible	kg 1860 (1885)	1870 (1900)
Max axle load, front/rear	kg 855 / 1070	870 / 1070
Max trailer load (12%), braked/unbraked	kg 1200 / 670	1200 / 680
Max roofload/max towbar downl	kg – / 75	– / 75
Luggage comp capacity	ltr 260 – 305	260 – 305
Air drag	Cd x A 0.33 x 2.10	0.34 x 2.10
Power Unit		
Config/No of cyls/valves	Straight-four / 4	Straight-four / 4
Engine technology	Second-generation direct injection (High Precision Injection) with lean burn	
Capacity, effective	cc 1995	1995
Stroke / bore	mm 90 / 84	90 / 84
Compression ratio	:1 12.0	12.0
Fuel	min RON 91	min RON 91
Max output	kW/hp 105 / 143	125 / 170
at	rpm 6000	6700
Max torque	Nm/lb-ft 190/140	210/155
at	rpm 4250	4250
Electrical System		
Battery/location	Ah/– 80 (70) / luggage comp	80 (70) / luggage comp
Alternator	A/W 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
Brakes, rear	Single-piston swing-calliper disc brakes	
Diameter	mm 300 x 20	300 x 20 / vented
Driving stability systems	Standard: DSC incl ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control	
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
Tyres, front/rear	195/55 R16 87H	205/55 R16 91V
Rims, front/rear	6.5J x 16 steel	7J x 16 steel

Specifications BMW 1 Series Convertible.

BMW 118i			BMW 120i
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	4.323 (4.171)
	II	:1	2.456 (2.340)
	III	:1	1.659 (1.521)
	IV	:1	1.230 (1.143)
	V	:1	1.000 (0.867)
	VI	:1	0.848 (0.691)
	R	:1	3.938 (3.403)
Final drive		:1	3.455 (3.909)
Performance			
Power-to-weight ratio	kg/kW	13.5 (13.8)	11.4 (11.7)
Output per litre	kW/hp	52.6/71.5	62.7/88.3
Acceleration 0–100 km/h	sec	9.3 (10.1)	8.4 (9.0)
Standing-start	sec	30.6 (31.1)	29.3 (29.7)
In 4th/5th gear 80–120	sec	9.6 / 12.5 (–)	8.2 / 10.6 (–)
Top speed	km/h	210 (208)	220 (218)
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration, Electric Power Steering, Auto Start Stop and Gearshift Point Indicator (manual gearbox models), Air Curtains, intelligent lightweight technology, map-controlled oil pump, electric cooling pump, a/c compressor detachable	
Fuel Consump in EU			
Urban	ltr/100 km	8.4 (9.1)	8.8 (9.4)
Extra-urban	ltr/100 km	5.4 (5.6)	5.6 (5.6)
Combined	ltr/100 km	6.5 (6.9)	6.8 (7.0)
CO ₂	g/km	152 (162)	158 (163)
Emission rating		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