

Specifications.

BMW 1 Series.

120d.



BMW 120d		
Body		
No. of doors/seats		5 / 5
Length/width/height (unladen)	mm	4319 / 1799 / 1434
Wheelbase	mm	2670
Track, front/rear	mm	1561 / 1561
Ground clearance	mm	153
Turning circle	m	11.4
Tank capacity	approx. ltr	50
Engine oil ¹⁾	ltr	5.5
Weight, unladen, to DIN/EU	kg	1450 / 1525
Max. load to DIN	kg	550
Max. permissible weight	kg	2000
Max. axle load, front/rear	kg	1085 / 985
Max. trailer load, braked (12%/unbraked)	kg	1300 / 750
Max. roof load/towbar download	kg	75 / 75
Luggage comp. capacity	ltr	380 – 1200
Air resistance	C _d x A	0.26 x 2.19
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2000 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
Electrical System		
Battery/Installation	Ah/–	70 / engine comp.
Driving Dynamics and Safety		
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
Brakes, front		Single-piston floating-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/45 R17 94Y XL
Rims, front/rear		7.5J x 17 light-alloy

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Transmission			
Type of gearbox	8-speed Steptronic transmission		
Gear ratios	I	:1	5.519
	II	:1	3.184
	III	:1	2.050
	IV	:1	1.492
	V	:1	1.235
	VI	:1	1.000
	VII	:1	0.801
	VIII	:1	0.673
	R	:1	4.221
Final drive		:1	2.666
Performance			
Power-to-weight ratio (DIN)	kg/kW		10.4
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.3
Top speed	km/h		231
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behavior, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter		
Fuel consumption EU cycle			
Urban	ltr/100 km		5.3 – 4.9
Extra-urban	ltr/100 km		4.2 – 3.9
Combined	ltr/100 km		4.6 – 4.3
CO ₂	g/km		121 – 112
Emission rating			Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

¹⁾ Oil change volume

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.