

Specifications.

The new BMW 1 Series.

116d, 118d, 120d



		BMW 116d	BMW 118d	BMW 120d
Body				
No. of doors/seats		5/5	5/5	5/5
L/W/H ¹⁾ (unladen)	mm	4324/1765/1421	4324/1765/1421	4324/1765/1421
Wheelbase	mm	2690	2690	2690
Front/rear track	mm	1535/1569	1535/1569	1521/1556
Ground clearance	mm	140	140	140
Turning circle	m	10.9	10.9	10.9
Fuel capacity	approx. l	52	52	52
Cooling and heating system	l	7.0	7.0	7.0
Engine oil capacity ²⁾	l	5,2	5,2	5,2
Unladen weight (DIN/EU)	kg	1310/1385 (1345/1420)	1320/1395 (1345/1420)	1345/1420 (1365/1440)
Payload (DIN)	kg	530	530	530
Permitted total weight	kg	1840 (1875)	1850 (1875)	1875 (1895)
Permitted axle load, front/rear	kg	885/1055	885/1055	905/1065
Permitted trailer load (12%) braked/unbraked	kg	1200/690	1200/690	1200/710
Permitted roof load/trailer download	kg	75/75	75/75	75/75
Luggage compartment capacity	l	360 – 1200	360 – 1200	360 – 1200
Aerodynamic drag	c _x x A	0.30 x 2.14	0.30 x 2.14	0.31 x 2.14
Engine				
Type/no. of cylinders/valves		in-line/4/4	in-line/4/4	in-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, common-rail direct fuel injection with magnetic valve injectors, maximum injection pressure 1600 bar (BMW 120d: 1800 bar)		
Effective capacity	cc	1995	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel type		Diesel	Diesel	Diesel
Output	kW/bhp	85/116	105/143	135/184
at rpm	min ⁻¹	4000	4000	4000
Torque	Nm	260	320	380
at rpm	min ⁻¹	1750 – 2500	1750 – 2500	1750 – 2750
Electrical				
Battery charge/location	Ah/–	80/Luggage compartment	80/Luggage compartment	80/Luggage compartment
Alternator current/output	A/W	180/2520	180/2520	180/2520
Dynamics and safety				
Front suspension		Aluminium double-link hinged-tiebar sprung axle		
Rear suspension		Five-link, double elastic bearing lightweight steel axle		
Front brakes		Single-piston floating-caliper disc brakes		
Diameter	mm	⁴⁾ /air-cooled	⁴⁾ /air-cooled	⁴⁾ /air-cooled
Rear brakes		Single-piston floating-caliper disc brakes		
Diameter	mm	⁴⁾	⁴⁾	⁴⁾ /air-cooled
Stability aids		As standard: DSC inc. ABS, ASC and DTC Dynamic Traction Control, CBC Corner Braking Control, DBC Dynamic Brake Control, brake drying function, fading compensation, hill assist		
Safety equipment		As standard: Driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure warning		
Steering		Electromechanical power steering (EPS) Optional: Servotronic function, Variable Sport Steering		
Overall steering ratio	:1	15.0	15.0	15.0
Front/rear tyres		195/55 R16 87H	195/55 R16 87V	205/55 R16 91V
Front/rear wheels		6.5J x 16 steel	6.5J x 16 steel	7J x 16 steel

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BMW ConnectedDrive						
Comfort			Optional: BMW Assist including information service, remote functions, Real-Time Traffic Information, BMW TeleServices, mobile device integration			
Information and entertainment			Optional: Internet connectivity, BMW Online including parking information, country information, Google business search, news, real-time weather, BMW Routes, office functions, Bluetooth audio streaming, online music title update, apps			
Safety			Optional: Adaptive Headlights with turning light, variable light distribution, Adaptive Headlight range adjustment, high beam assistance, park distance control, reversing camera, cruise control with brake function, parking assistant, Lane Departure Warning with Collision Warning, speed limit and no passing information, extended emergency call			
Transmission						
Type			6-speed manual (optional: 8-speed automatic with Steptronic)			
Gear ratios		I	:1	4.002 (4.714)	4.002 (4.714)	4.110 (4.714)
		II	:1	2.109 (3.143)	2.109 (3.143)	2.248 (3.143)
		III	:1	1.380 (2.106)	1.380 (2.106)	1.403 (2.106)
		IV	:1	1.000 (1.667)	1.000 (1.667)	1.000 (1.667)
		V	:1	0.781 (1.285)	0.781 (1.285)	0.802 (1.285)
		VI	:1	0.645 (1.000)	0.645 (1.000)	0.659 (1.000)
		VII	:1	– (0.839)	– (0.839)	– (0.839)
		VIII	:1	– (0.667)	– (0.667)	– (0.667)
		R	:1	3.647 (3.295)	3.647 (3.295)	3.727 (3.295)
Differential ratio			:1	3.077 (2.647)	3.077 (2.647)	3.154 (2.647)
Weight-to-power ratio		kg/kW				
Specific power output		kW/l		15.4 (15.8)	12.6 (12.8)	10.0 (10.1)
Acceleration		0–100 km/h	sec.	42.6	52.6	67.7
		0–1,000 m	sec.	10.3 (10.7)	8.9 (8.9)	7.2 (7.3)
in 4th/5th gear		80–120 km/h	sec.	31.6 (31.8)	29.7 (29.6)	27.5 (27.4)
Max. speed		km/h		8.6/11.7	7.2/9.3	5.7/7.2
Weight-to-power ratio		kg/kW		200 (200)	212 (212)	228 (228)
BMW EfficientDynamics						
BMW EfficientDynamics			Braking Energy Regeneration, electromechanical power steering,			
Features included as standard			Automatic Start/Stop function, gear shift indicator (manual), ECO PRO mode, intelligent lightweight construction, automatically disconnecting ancillary components, map-regulated oil pump, switchable air conditioning compressor (BMW 116d), differential with optimized-warm-up behaviour, tyres with reduced rolling resistance			
Fuel consumption (EU) ³⁾						
With standard tyres						
Urban		l/100		5.3 (5.3)	5.4 (5.3)	5.6 (5.2)
Extra-urban		l/100		3.8 (3.8)	3.8 (3.9)	3.9 (3.9)
Total		l/100		4.3 (4.4)	4.4 (4.4)	4.5 (4.4)
CO ₂		g/km		114 (115)	115 (116)	119 (116)
With 7J x 16" rims and 205/55 R16 tyres, and winter tyres (BMW 116d, BMW 118d)						
With 7J x 17" rims and 205/50 R17 tyres, with 7.5J x 17" rims and 225/45 R17 tyres						
With 7.5J x 17" front rims, 8J x 17" rear rims, 225/45 R17 front tyres and 245/40 R17 rear tyres						
With 7.5J x 18" front rims, 8J x 18" rear rims, 225/40 R18 front tyres and 245/35 R18 rear tyres						
Urban		l/100 km		5.4 (5.5)	5.5 (5.5)	5.7 (5.3)
Extra-urban		l/100 km		3.9 (4.0)	3.9 (4.0)	4.0 (4.1)
Combined		l/100 km		4.5 (4.5)	4.5 (4.5)	4.6 (4.5)
CO ₂		g/km		117 (119)	118 (119)	122 (119)
Emissions standard				EU5	EU5	EU5

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height with roof aerial: 1440 mm

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on tyres fitted

⁴⁾ Not yet available