

Specifications.

BMW 1 Series 3 Door Hatch. 120d



BMW 120d		
Body		
No. of doors/seats		3 / 4 (5)
L/W/H ¹⁾ (unladen)	mm	4324 / 1765 / 1421
Wheelbase	mm	2690
Front/rear track	mm	1521 / 1556
Ground clearance	mm	140
Turning circle	m	10.9
Fuel capacity	approx. l	52
Cooling and heating system	l	7.0
Engine oil capacity ²⁾	l	5.2
Weight, unladen (DIN/EU)	kg	1340 / 1415 (1360 / 1435)
Payload (DIN)	kg	530
Permitted total weight	kg	1870 (1890)
Permitted axle load, front/rear	kg	905 / 1065
Permitted trailer load (12%) braked/unbraked	kg	1200 / 710
Permitted roof load/trailer download	kg	75 / 75
Luggage compartment capacity	l	360 – 1200
Aerodynamic drag	c _x x A	0.31 x 2.14
Engine		
Type/no. of cylinders/valves		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 1800 bar
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel type		Diesel
Output	kW/hp	135 / 184
at rpm	min ⁻¹	4000
Torque	Nm	380
at rpm	min ⁻¹	1750 – 2750
Electrical		
Battery charge/location	Ah/-	90 (80) / luggage compartment
Alternator current/output	A/W	175 / 2450
Driving 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⁾ / vented
Rear brakes		Single-piston floating-caliper disc brakes
Diameter	mm	⁴⁾ / vented
Driving stability systems		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
Front/rear tyres		205/55 R16 91V
Front/rear wheels		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 of gearbox	6-speed manual (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.248 (3.143)
	III	:1	1.403 (2.106)
	IV	:1	1.000 (1.667)
	V	:1	0.802 (1.285)
	VI	:1	0.659 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.154 (2.647)

Performance

Weight-to-power ratio (DIN unladen)	kg/kW		9.9 (10.1)
Specific power output	kW/l		67.7
Acceleration	0–100 km/h	sec.	7.2 (7.1)
	0–1,000 m	sec.	27.5 (27.4)
in 4th/5th gear	80–120 km/h	sec.	5.7 / 7.2
Max. speed	km/h		228 (228)

BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Braking Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator (manual), ECO PRO mode, intelligent lightweight construction, automatically disconnecting ancillary components, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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Fuel consumption (EU)³⁾

With standard wheels and tyres			
Urban	l/100 km		5.6 (5.2)
Extra-urban	l/100 km		3.9 (3.9)
Total	l/100 km		4.5 (4.4)
CO ₂	g/km		119 (116)
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		5.7 (5.3)
Extra-urban	l/100 km		4.0 (4.1)
Combined	l/100 km		4.6 (4.5)
CO ₂	g/km		122 (119)
Emissions standard			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 the selected tyre format

⁴⁾ Not yet available