

# Specifications.

## BMW 1 Series 3 Door Hatch.

### 120d, 120d xDrive



		BMW 120d 3-door	BMW 120d xDrive 3-door
<b>Body</b>			
No. of doors/seats		3 / 4 (5)	3 / 4 (5)
Length/width/height <sup>1)</sup> (unladen)	mm	4329 / 1765 / 1421	4329 / 1765 / 1421
Wheelbase	mm	2690	2690
Track, front/rear	mm	1521 / 1556	1522 / 1556
Ground clearance	mm	140	140
Turning circle	m	10.9	11.3
Fuel tank capacity	approx. ltr	52	52
Cooling system incl. heater	ltr	7.0	7.0
Engine oil <sup>2)</sup>	ltr	5.0	5.0
Weight, unladen, to DINEU	kg	1370 / 1445 (1385 / 1460)	1450 / 1525
Max. load to DIN	kg	565	550
Max. permissible weight	kg	1935 (1950)	2000
Max. axle load, front/rear	kg	900 / 1090	975 / 1090
Max. trailer load, braked (12%/unbraked)	kg	1500 / 710	1500 / 750
Max. roof load/max towbar download	kg	75 / 75	75 / 75
Luggage comp. capacity	ltr	360 – 1200	360 – 1200
Air resistance	C <sub>d</sub> x A	0.30 x 2.14	0.31 x 2.14
<b>Power Unit</b>			
Config./No. of cyls./valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct injection with solenoid valve injectors, max. injection pressure: 2,000 bar	
Effective capacity	cm <sup>3</sup>	1995	1995
Stroke/bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel		diesel	diesel
Max. output	kW/hp	140 / 190	140 / 190
at	rpm	4000	4000
Max torque	Nm	400	400
at	rpm	1750 – 2500	1750 – 2500
<b>Electrical System</b>			
Battery/installation	Ah/–	90 / luggage comp.	90 / luggage comp.
Alternator	AW	150 / 2100	150 / 2100
<b>Driving Dynamics and Safety</b>			
Suspension, front		Aluminium double-joint spring strut axle	
Suspension, rear		Five-link axle in lightweight steel construction with double elastic bearing	
Brakes, front		Single-piston floating-calliper disc brakes	
Brakes, rear		Single-piston floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; BMW 120d xDrive: linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM)	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS), optional: Servotronic function, variable sport steering	
Steering ratio, overall	:1	15.0	15.1
Tyres, front/rear		205/55 R16 91V	205/55 R16 91V
Rims, front/rear		7J x 16 steel	7J x 16 steel

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Transmission				
Type of transmission			6-speed manual (optional: 8-speed Steptronic transmission)	8-speed Steptronic transmission
Gear ratios	I	:1	4.110 (5.000)	5.000
	II	:1	2.248 (3.200)	3.200
	III	:1	1.403 (2.143)	2.143
	IV	:1	1.000 (1.720)	1.720
	V	:1	0.802 (1.314)	1.314
	VI	:1	0.659 (1.000)	1.000
	VII	:1	– (0.822)	0.822
	VIII	:1	– (0.640)	0.640
	R	:1	3.727 (3.456)	3.456
Final drive		:1	3.077 (2.647)	2.647
Performance				
Power-to-weight ratio		kg/kW	9.8 (9.9)	10.4
Output per litre		kW/ltr	70.2	70.2
Acceleration	0–100 km/h	s	7.1 (7.0)	6.8
in 5th gear	80–120 km/h	s	7.2 (–)	–
Top speed		km/h	228 (228)	222
BMW EfficientDynamics				
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, final drive with optimised warm-up behaviour, efficiency- and weight-optimised transfer case (BMW 120d xDrive), tyres with reduced roll resistance		
Fuel Consumption EU <sup>3)</sup>				
With standard tyres				
Urban		ltr/100 km	5.0 (4.6)	5.1
Extra-urban		ltr/100 km	3.6 (3.5)	3.9
Combined		ltr/100 km	4.1 (3.9)	4.3
CO <sub>2</sub>		g/km	108 (103)	113
With rims 7J x 17 and tyres 205/50 R17, with rims 7.5J x 17 and tyres 225/45 R 17 as well as winter tyres, with rims 7.5J x 17 front, 8J x 17 rear and tyres 225/45 R17 front, 245/40 R17 rear				
Urban		ltr/100 km	5.3 (4.9)	5.3
Extra-urban		ltr/100 km	3.7 (3.7)	4.1
Combined		ltr/100 km	4.3 (4.1)	4.5
CO <sub>2</sub>		g/km	114 (109)	119
With rims 7.5J x 18 front, 8J x 18 rear and tyres 225/40 R18 front, 245/35 R18 rear				
Urban		ltr/100 km	5.5 (5.1)	5.5
Extra-urban		ltr/100 km	3.9 (3.9)	4.3
Combined		ltr/100 km	4.5 (4.3)	4.7
CO <sub>2</sub>		g/km	118 (114)	124
Emission rating			EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
BMW 120d: figures in brackets apply to automatic transmission (standard in the BMW 120d xDrive)

<sup>1)</sup> Height with roof fin: 1440 mm

<sup>2)</sup> Oil change

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emission figures depend on the selected tyre format