

# Specifications.

## BMW 1 Series 5 Door Hatch.

### 120i, 125i



		BMW 120i 5-door	BMW 125i 5-door
<b>Body</b>			
No. of doors/seats		5 / 5	5 / 5
Length/width/height <sup>1</sup> (unladen)	mm	4329 / 1765 / 1421	4329 / 1765 / 1421
Wheelbase	mm	2690	2690
Front/rear track	mm	1535 / 1569	1521 / 1556
Ground clearance	mm	140	140
Turning circle	m	10.9	10.9
Fuel capacity	approx. l	52	52
Engine oil capacity <sup>2)</sup>	l	5.25	5.25
Weight, unladen (DIN/EU)	kg	1370 / 1445 (1380 / 1455)	1400 / 1475
Payload (DIN)	kg	565	565
Permitted total weight	kg	1930 (1940)	1965
Permitted axle load, front/rear	kg	910 / 1090	920 / 1100
Permitted trailer load (12%) braked/unbraked	kg	1500 / 670	1500 / 680
Permitted roof load/trailer download	kg	75 / 75	75 / 75
Luggage compartment capacity	l	360 – 1200	360 – 1200
Aerodynamic drag	c <sub>x</sub> x A	0.31 x 2.14	0.32 x 2.14
<b>Engine</b>			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6 / 82.0	94.6 / 82.0
Compression ratio	:1	11.0	10.2
Fuel type		min RON 91	min RON 91
Output	kW/hp	135 / 184	165 / 224
at rpm	min <sup>-1</sup>	5000	5200
Torque	Nm	290	310
at rpm	min <sup>-1</sup>	1350 – 4250	1400 – 5000
<b>Electrical</b>			
Battery charge/location	Ah/–	80 / luggage compartment	80 / luggage compartment
<b>Driving Dynamics and Safety</b>			
Front suspension		Aluminium double-joint spring strut axle	
Rear suspension		Five-link axle in lightweight steel construction with double elastic bearing	
Front brakes		Single-piston floating-calliper disc brakes	
Rear brakes		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, brake drying function, fading compensation, start-off assistant	
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 pressure indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS); optional: Servotronic function, Variable Sport Steering	
Overall steering ratio	:1	15.0	15.0
Front/rear tyres		195/55 R16 87W	205/50 R17 91W
Front/rear wheels		6.5J x 16 steel	7J x 17 light-alloy

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Transmission				
Type of gearbox			6-speed manual (optional: 8-speed Steptronic)	8-speed Steptronic
Gear ratios	I	:1	4.002 (5.000)	5.000
	II	:1	2.130 (3.200)	3.200
	III	:1	1.396 (2.143)	2.143
	IV	:1	1.000 (1.720)	1.720
	V	:1	0.781 (1.314)	1.314
	VI	:1	0.668 (1.000)	1.000
	VII	:1	– (0.822)	0.822
	VIII	:1	– (0.640)	0.640
	R	:1	3.647 (3.456)	3.456
Differential ratio		:1	3.385 (2.813)	2.813
Performance				
Weight-to-power ratio (DIN unladen)		kg/kW	10.1 (10.2)	8.5
Specific power output		kW/l	67.6	82.6
Acceleration	0–100 km/h	sec	7.1 (7.1)	6.1
in 5th gear	80–120 km/h	sec	8.5 (–)	–
Max. speed		km/h	230 (225)	243
BMW EfficientDynamics				
BMW EfficientDynamics		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Features included as standard				
Fuel consumption (EU) <sup>3)</sup>				
with standard wheels and tyres: 6.5J x 16" rims and 195/55 R16 tyres (BMW 120i), 7J x 17" rims and 205/50 R17 tyres (BMW 125i)				
Urban		l/100 km	7.6 (7.0)	7.2
Extra-urban		l/100 km	4.7 (4.7)	4.9
Total		l/100 km	5.7 (5.5)	5.7
CO <sub>2</sub> emissions		g/km	131 (126)	130
with 7J x 17" rims and 205/50 R17 tyres (BMW 120i), with 7.5J x 17 rims and 225/45 R 17 tyres, with 7.5J x 17" front rims, 8J x 17" rear rims and 225/45 R17 front tyres, 245/40 R17 rear tyres				
Urban		l/100 km	8.0 (7.4)	7.4
Extra-urban		l/100 km	4.9 (4.9)	5.0
Total		l/100 km	6.0 (5.8)	5.9
CO <sub>2</sub> emissions		g/km	138 (133)	134
with 7.5J x 18" front rims, 8J x 18" rear rims and 225/40 R18 front tyres, 245/35 R18 rear tyres and with winter tyres				
Urban		l/100 km	8.1 (7.4)	7.4
Extra-urban		l/100 km	5.0 (5.0)	5.0
Total		l/100 km	6.1 (5.9)	5.9
CO <sub>2</sub> emissions		g/km	140 (135)	134
Emissions standard			EU6	EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany  
BMW 120i: Figures in brackets are for vehicles with automatic transmission

<sup>1)</sup> Height including roof aerial

<sup>2)</sup> Oil change volume

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