

# Specifications.

## BMW 1 Series 5 Door Hatch.

### 118i



BMW 118i 5-door		
<b>Body</b>		
No. of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4329 / 1765 / 1421
Wheelbase	mm	2690
Front/rear track	mm	1535 / 1569
Ground clearance	mm	140
Turning circle	m	10.9
Fuel capacity	approx. l	52
Engine oil capacity <sup>2)</sup>	l	4.25
Weight, unladen (DIN/EU)	kg	1305 / 1380 (1320 / 1395)
Payload (DIN)	kg	565
Permitted total weight	kg	1870 (1885)
Permitted axle load, front/rear	kg	865 / 1090
Permitted trailer load (12%) braked/unbraked	kg	1300 / 650
Permitted roof load/trailer download	kg	75 / 75
Luggage compartment capacity	l	360 – 1200
Aerodynamic drag	c <sub>d</sub> x A	0.31 x 2.14
<b>Engine</b>		
Type/no. of cylinders/valves		in-line / 3 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc	1499
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel type		min. RON 91
Output	kW/hp	100 / 136
at rpm	min <sup>-1</sup>	4500 – 6000
Torque	Nm	220
at rpm	min <sup>-1</sup>	1250 – 4000
<b>Electrical</b>		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	180 / 2520
<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: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags front and rear, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, 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
Front/rear tyres		195/55 R16 87H
Front/rear wheels		6.5J x 16 steel

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Transmission			
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)	
Gear ratios	I	:1	4.552 (5.000)
	II	:1	2.548 (3.200)
	III	:1	1.659 (2.143)
	IV	:1	1.230 (1.720)
	V	:1	1.000 (1.314)
	VI	:1	0.830 (1.000)
	VII	:1	– (0.822)
	VIII	:1	– (0.640)
	R	:1	4.138 (3.456)
Differential ratio		:1	2.813 (3.077)
Performance			
Weight-to-power ratio (DIN unladen)		kg/kW	13.1 (13.2)
Specific power output		kW/l	66.7
Acceleration 0–100 km/h	sec.		8.5 (8.7)
in 5th gear 80–120 km/h	sec.		10.6 (–)
Max. speed	km/h		210 (210)
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		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, detachable a/c compressor, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
Fuel consumption (EU) <sup>3)</sup>			
with standard wheels and tyres, with 7J x 16" rims and 205/55 R16 tyres and with winter tyres			
Urban	l/100 km		6.2 (5.9)
Extra-urban	l/100 km		4.3 (4.2)
Total	l/100 km		5.0 (4.8)
CO <sub>2</sub> emissions	g/km		116 (112)
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			
Urban	l/100 km		6.5 (6.3)
Extra-urban	l/100 km		4.5 (4.5)
Combined	l/100 km		5.3 (5.1)
CO <sub>2</sub> emissions	g/km		123 (119)
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		6.7 (6.4)
Extra-urban	l/100 km		4.7 (4.6)
Total	l/100 km		5.4 (5.2)
CO <sub>2</sub> emissions	g/km		126 (122)
Emissions standard			EU6

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

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

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

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