

Specifications.

BMW 1 Series 5 Door Hatch.

116i



BMW 116i 5-door		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4329 / 1765 / 1421
Wheelbase	mm	2690
Track, front/rear	mm	1535 / 1569
Ground clearance	mm	140
Turning circle	m	10.9
Fuel tank capacity	approx. ltr	52
Cooling system incl. heater	ltr	7.7
Engine oil ²⁾	ltr	4.25
Weight, unladen, to DIN/EU	kg	1305 / 1380
Max. load to DIN	kg	565
Max. permissible weight	kg	1870
Max. axle load, front/rear	kg	850 / 1090
Max. trailer load, braked (12%/unbraked)	kg	1200 / 650
Max. roof load/max towbar download	kg	75 / 75
Luggage comp. capacity	ltr	360 – 1200
Air resistance	C _d x A	0.31 x 2.14
Power Unit		
Config./No. of cyls./valves		in-line / 3 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger, High Precision Direct Injection, fully variable valve control (VALVETRONIC), Double-VANOS variable camshaft control
Effective capacity	cm ³	1499
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min RON 91
Max. output	kW/hp	80 / 109
at	rpm	4500 – 6000
Max torque	Nm	180
at	rpm	1250
Electrical System		
Battery/installation	Ah/–	90 / luggage comp.
Alternator	AW	180 / 2520
Driving Dynamics and Safety		
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
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
Tyres, front/rear		195/55 R16 87H
Rims, front/rear		6.5J x 16 steel

BMW 116i 5-door			
Transmission			
Type of transmission		6-speed manual	
Gear ratios	I	:1	4.552
	II	:1	2.548
	III	:1	1.659
	IV	:1	1.230
	V	:1	1.000
	VI	:1	0.830
	R	:1	4.138
Final drive		:1	2.813
Performance			
Power-to-weight ratio		kg/kW	16.3
Output per litre		kW/ltr	53.4
Acceleration	0–100 km/h	s	10.9
in 5th gear	80–120 km/h	s	14.8
Top speed		km/h	195
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, 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, tyres with reduced roll resistance	
Fuel Consumption EU ³⁾			
With standard tyres, rims 7J x 16 and tyres 205/55 R16 as well as winter tyres			
Urban		ltr/100 km	6.3
Extra-urban		ltr/100 km	4.2
Combined		ltr/100 km	5.0
CO ₂		g/km	116
With rims 7J x 17 and tyres 205/50 R17, with rims 7.5J x 17 and tyres 225/45 R 17, 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	6.7
Extra-urban		ltr/100 km	4.5
Combined		ltr/100 km	5.3
CO ₂		g/km	123
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	6.8
Extra-urban		ltr/100 km	4.6
Combined		ltr/100 km	5.4
CO ₂		g/km	126
Emission rating			EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)

¹⁾ Height with roof fin: 1440 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emission figures depend on the selected tyre format