

Technical specifications.

BMW 1 Series.

116.



BMW 116		
Body		
Number of doors/seats		5 / 5
Length/width/height (empty)	mm	4361 / 1800 / 1459
Wheelbase	mm	2670
Track width, front/rear	mm	1561 / 1562
Ground clearance	mm	156
Turning circle	m	11.7
Fuel tank capacity	approx. l	49
Engine oil ¹⁾	l	4.5
Weight unladen, acc. to DIN/EU	kg	1390 / 1465
Payload according to DIN	kg	570
Permitted total weight	kg	1960
Permitted axle loads, front/rear	kg	1030 / 985
Perm. trailer load (12%)		
braked/unbraked	kg	1300 / 730
Max. roofload/towbar download	kg	75 / 75
Luggage compartment capacity	l	380 – 1200
Air resistance	c _x	from 0.27
Drive		
Engine technology	BMW TwinPower Turbo Technology: Turbocharger, dual injection with direct injection High Precision Injection and intake pipe fuel injection, variable valve control VALVETRONIC, variable camshaft control double VANOS	
Type/no. of cylinders/valves		in-line / 3 / 4
Displacement, effective	cc	1499
Stroke/bore	mm	94.6 / 82.0
Compression	:1	11.1
Fuel		min RON 91
Nominal power output	kW/hp	90 / 122
at engine speed	rpm	3900 – 6500
Nominal torque	Nm	230
at engine speed	rpm	1500 – 3600
Power output per litre	kW/l	60.0
Electrical system		
12 volt battery/installation	Ah / –	60 / engine compartment
Driving dynamics and safety		
Front wheel suspension	Single-joint spring-strut-type axle in aluminium-steel lightweight construction	
Rear wheel suspension	Three-joint axle in lightweight steel construction	
Brakes, front	Single-piston, floating calliper disc brakes	
Brakes, rear	Single-piston, floating calliper disc brakes	
Driving stability systems	Standard: DSC incl., ABS and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Performance Control, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, optional: Adaptive M Suspension	
Safety equipment	Standard: Airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for the front and rear seat row, interaction airbag between driver and front passenger, three-point inertia-reel seat belts on all seats, front with belt tensioner and seat belt force limiter, crash sensors, tyre pressure display	
Steering	Electromechanical power steering (EPS) with Servotronic function, optional: sport steering	
Overall steering ratio	:1	15.3
Tyres, front/rear		205/55 R17 95Y XL
Wheel rims, front/rear		7.5J × 17 light-alloy

BMW 116			
Transmission			
Transmission type		7-speed Steptronic transmission with dual clutch	
Gear ratio	I	:1	16.991
	II	:1	9.965
	III	:1	6.236
	IV	:1	4.327
	V	:1	3.397
	VI	:1	2.663
	VII	:1	2.157
	R	:1	15.363
Driving performance figures			
Weight-to-power ratio (DIN)		kg/kW	15.4
Acceleration	0-100 km/h	s	9.8
Top speed		km/h	210
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		Brake energy recuperation with recuperation indicator, Auto Start Stop function, PERSONAL and EFFICIENT modes with coasting function, Route-ahead Assistant, optimum shift indicator in manual shift mode, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air-flap control, auxiliary units controlled according to demand, map-controlled oil pump, final drive unit with optimised warm-up phase properties, tyres with reduced rolling resistance	
Fuel consumption in EU cycle			
combined (WLTP)		l/100	6.4 – 5.9
CO ₂ (WLTP)		g/km	146 – 135
combined (Pkw-EnVKV)		l/100	6.6 – 6.5
CO ₂ (Pkw-EnVKV)		g/km	149 – 148
Emission rating			Euro 6e
CO ₂ class(es) acc. to Pkw-EnVKV			E

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases.

¹⁾ Oil change volume

Fuel consumption, CO₂ emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

Further information on the WLTP measurement procedure can also be found at www.bmw.de/wltp.