

# Specifications.

## The new BMW 1 Series.

### 116d EfficientDynamics Edition



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#### Body

No. of doors/seats		5 / 5
L/W/H <sup>1)</sup> (unladen)	mm	4324 / 1765 / 1413
Wheelbase	mm	2690
Front/rear track	mm	1521 / 1556
Ground clearance	mm	132
Turning circle	m	10.9
Fuel capacity	approx. l	52
Cooling and heating system	l	7.0
Engine oil capacity <sup>2)</sup>	l	5.2
Weight, unladen (DIN/EU)	kg	1310 / 1385
Payload (DIN)	kg	530
Permitted total weight	kg	1840
Permitted axle load, front/rear	kg	875 / 1055
Permitted trailer load (12%) braked/unbraked	kg	- / -
Permitted roof load/trailer download	kg	75 / -
Luggage compartment capacity	l	360 – 1200
Aerodynamic drag	c <sub>x</sub> x A	0.30 x 2.14

#### Engine

Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, common-rail direct fuel injection with magnetic valve injectors, maximum injection pressure 1600 bar
Effective capacity	cc	1598
Stroke/bore	mm	83.6 / 78.0
Compression ratio	:1	16.5
Fuel type		Diesel
Output	kW/hp	85 / 116
at rpm	min <sup>-1</sup>	4000
Torque	Nm	260
at rpm	min <sup>-1</sup>	1750 – 2500

#### Electrical

Battery charge/location	Ah/-	80 / luggage compartment
Alternator current/output	A/W	180 / 2520

#### Driving Dynamics and Safety

Front suspension		Aluminium double-link hinged-tiebar sprung axle
Rear suspension		Five-link, double elastic bearing lightweight steel axle
Front brakes		Single-piston floating-caliper disc brakes
Diameter	mm	<sup>3)</sup> / vented
Rear brakes		Single-piston floating-caliper disc brakes
Diameter	mm	<sup>3)</sup>
Driving stability systems		As standard: DSC inc. ABS, ASC and DTC Dynamic Traction Control, CBC Corner Braking Control, DBC Dynamic Brake Control, brake drying function, fading compensation, hill assist
Safety equipment		As standard: Driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure warning
Steering		Electromechanical power steering (EPS) Optional: Servotronic function, Variable Sport Steering
Overall steering ratio	:1	15.0
Front/rear tyres		205/55 R16 91W
Front/rear wheels		7J x 16 steel

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#### BMW ConnectedDrive

Comfort	Optional: BMW Assist including information service, remote functions, Real-Time Traffic Information, BMW TeleServices, mobile device integration
Information and entertainment	Optional: Internet connectivity, BMW Online including parking information, country information, Google business search, news, real-time weather, BMW Routes, office functions, Bluetooth audio streaming, online music title update, apps
Safety	Optional: Adaptive Headlights with turning light, variable light distribution, Adaptive Headlight range adjustment, high beam assistance, park distance control, reversing camera, cruise control with brake function, parking assistant, Lane Departure Warning with Collision Warning, speed limit and no passing information, extended emergency call

#### Transmission

Type of gearbox	6-speed manual		
Gear ratios	I	:1	4.002
	II	:1	2.109
	III	:1	1.380
	IV	:1	1.000
	V	:1	0.781
	VI	:1	0.645
	R	:1	3.647
Differential ratio		:1	2.929

#### Performance

Weight-to-power ratio (DIN unladen)	kg/kW	15.4
Specific power output	kW/l	53.2
Acceleration 0–100 km/h	sec.	10.5
	0–1,000 m	31.6
in 4th/5th gear 80–120 km/h	sec.	10.2 / 14.2
Max. speed	km/h	195

#### BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Braking Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator, ECO PRO mode, intelligent lightweight construction, automatically disconnecting ancillary components, map-regulated oil pump, switchable air conditioning compressor, differential with optimized-warm-up behaviour, optimized aerodynamics, tyres with reduced rolling resistance
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#### Fuel consumption (EU)

Urban	l/100 km	4.4
Extra-urban	l/100 km	3.4
Combined	l/100 km	3.8
CO <sub>2</sub>	g/km	99
Emissions standard		EU5

Technical data valid for ACEA countries/Some permitted weights valid only for Germany

- <sup>1)</sup> Height with roof aerial: 1432 mm  
<sup>2)</sup> Oil change volume  
<sup>3)</sup> Not yet available