

# Specifications. BMW 3 Series Sedan. 316i



BMW 316i		
<b>Body</b>		
No. of doors/seats		4 / 5
L/W/H <sup>1)</sup> (unladen)	mm	4624 / 1811 / 1429
Wheelbase	mm	2810
Front/rear track	mm	1543 / 1583
Ground clearance	mm	140
Turning circle	m	11.3
Fuel capacity	approx. l	60
Cooling and heating system reservoir capacity	l	6.7 (7.1)
Engine oil capacity <sup>2)</sup>	l	4.7
Weight, unladen (DIN/EU)	kg	1485 / 1460 (1405 / 1480)
Payload (DIN)	kg	550
Permitted total weight	kg	1935 (1955)
Permitted axle load, front/rear	kg	885 / 1125
Permitted trailer load (12%) braked/unbraked	kg	1500 / 695
Permitted roof load/trailer download	kg	75 / 75
Luggage compartment capacity	l	480
Aerodynamic drag	c <sub>d</sub> x A	0.27 x 2.20
<b>Engine</b>		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cc	1598
Stroke/bore	mm	85.8 / 77.0
Compression ratio	:1	10.5
Fuel type		min. RON 91
Output	kW/hp	100 / 136
at rpm	min <sup>-1</sup>	4350
Torque	Nm	220
at rpm	min <sup>-1</sup>	1350
<b>Electrical</b>		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	170 / 2380
<b>Driving Dynamics and Safety</b>		
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive	
Rear suspension	Five-link axle in lightweight construction	
Front brakes	Single-piston swing-calliper disc brakes	
Diameter	mm	<sup>4)</sup> /vented
Rear brakes	Single-piston swing-calliper disc brakes	
Diameter	mm	<sup>4)</sup> /vented
Driving stability systems	As 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 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 defect indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS), optional: Servotronic function, Variable Sport Steering	
Overall steering ratio	:1	15.1
Front/rear tyres		205/60 R16 H
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 lights, variable light distribution and adaptive headlight range adjustment, high beam assistance, park distance control, rear view camera, Surround View incl. Side View and Top View, BMW Head-Up Display, cruise control with brake function, Parking Assistant, Lane Change Warning, Lane Departure Warning with Collision Warning, speed limit and no passing information, Active Protection, extended emergency call

#### Transmission

Type of gearbox	6-speed manual (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.552 (4.714)
	II	:1	2.548 (3.143)
	III	:1	1.659 (2.106)
	IV	:1	1.230 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.830 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	4.138 (3.295)
Differential ratio		:1	3.077 (3.154)

#### Performance

Weight-to-power ratio (DIN unladen)	kg/kW	13.9 (14.1)
Specific power output	kW/l	62.6
Acceleration 0–100 km/h	sec.	8.9 (9.2)
0–1,000 m	sec.	30.0 (30.6)
in 4th/5th gear 80–120 km/h	sec.	9.4 / 11.5
Max. speed	km/h	210 (210)

#### BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator (manual), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, air flap control, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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#### Fuel consumption (EU)<sup>3)</sup>

with standard wheels and tyres		
Urban	l/100 km	7.6 (7.5)
Extra-urban	l/100 km	4.7 (4.8)
Total	l/100 km	5.8 (5.8)
CO <sub>2</sub> emissions	g/km	134 (134)
with 7,5J x 16 wheels and 225/55 R16 tyres, with 7,5J x 17 wheels and 225/50 R 17 tyres, with 7,5J x 17 wheels at front, 8,5J x 17 wheels at rear and 225/50 R17 tyres at front, 255/45 R17 tyres at rear, with 8J x 18 wheels and 225/45 R18 tyres, with 8J x 18 wheels at front, 8,5J x 18 wheels at rear and 225/45 R18 tyres at front, 255/40 R18 tyres at rear, with 8J x 19 wheels at front, 8,5J x 19 wheels at rear and 225/40 R19 tyres at front, 255/35 R19 tyres at rear		
Urban	l/100 km	7.7 (7.6)
Extra-urban	l/100 km	4.8 (4.9)
Combined	l/100 km	5.9 (5.9)
CO <sub>2</sub> emissions	g/km	137 (137)
Emissions standard		EU5

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: 1441 mm

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

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

<sup>4)</sup> Not yet available