

# 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 floating-calliper disc brakes		
Diameter	mm		<sup>4)</sup> /vented
Rear brakes	Single-piston floating-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

## Specifications. BMW 3 Series Sedan.

BMW 316i			
<b>BMW ConnectedDrive</b>			
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 Chance Warning, Lane Departure Warning with Collision Warning, speed limit and no passing information, Active Protection, extended emergency call	
<b>Transmission</b>			
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)
<b>Performance</b>			
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)
<b>BMW EfficientDynamics</b>			
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	
<b>Fuel consumption (EU)<sup>3)</sup></b>			
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