

# Specifications. BMW 3 Series Sedan. 316d.



BMW 316d			
<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		57
Cooling and heating system reservoir capacity	l		7.0
Engine oil capacity <sup>2)</sup>	l		5.0
Weight, unladen (DIN/EU)	kg		1420 / 1495 (1430 / 1505)
Payload (DIN)	kg		570
Permitted total weight	kg		1995 (2005)
Permitted axle load, front/rear	kg		910 / 1150
Permitted trailer load (12%) braked/unbraked	kg		1600 / 745
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		480
Aerodynamic drag	c <sub>d</sub> x A		0.26 x 2.20
<b>Engine</b>			
Type/no. of cylinders/valves			in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)		
Effective capacity	cc		1995
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		85 / 116
at rpm	min <sup>-1</sup>		4000
Torque	Nm		270
at rpm	min <sup>-1</sup>		1250 – 2750
<b>Electrical</b>			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		150 / 2100
<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, vented		
Rear brakes	Single-piston floating-calliper disc brakes, 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 pressure indicator		
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, optional: Variable Sport Steering		
Overall steering ratio	:1		15.1
Front/rear tyres			205/60 R16 92H
Front/rear wheels			7J x 16 steel

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<b>Transmission</b>			
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)	
Gear ratios	I	:1	4.002 (5.000)
	II	:1	2.130 (3.200)
	III	:1	1.396 (2.143)
	IV	:1	1.000 (1.720)
	V	:1	0.781 (1.314)
	VI	:1	0.668 (1.000)
	VII	:1	– (0.822)
	VIII	:1	– (0.640)
	R	:1	3.647 (3.456)
Differential ratio		:1	3.077 (2.813)
<b>Performance</b>			
Weight-to-power ratio (DIN unladen)	kg/kW		16.7 (16.8)
Specific power output	kW/l		42.6
Acceleration 0–100 km/h	sec.		10.7 (10.6)
in 5th gear 80–120 km/h	sec.		11.8 (–)
Max. speed	km/h		205 (204)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, 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		4.6 (4.6)
Extra-urban	l/100 km		3.5 (3.5)
Total	l/100 km		3.9 (3.9)
CO <sub>2</sub> emissions	g/km		102 (102)
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			
Urban	l/100 km		4.9 (4.9)
Extra-urban	l/100 km		3.7 (3.7)
Combined	l/100 km		4.1 (4.1)
CO <sub>2</sub> emissions	g/km		109 (109)
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		5.1 (5.1)
Extra-urban	l/100 km		3.8 (3.8)
Combined	l/100 km		4.3 (4.3)
CO <sub>2</sub> emissions	g/km		113 (113)
Emissions standard			EU6

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