

# Specifications.

## BMW 3 Series Sedan.

### 320i EfficientDynamics Edition



BMW 320i EfficientDynamics Edition			
<b>Body</b>			
No. of doors/seats			4 / 5
L/W/H <sup>1)</sup> (unladen)	mm		4624 / 1811 / 1416
Wheelbase	mm		2810
Front/rear track	mm		1543 / 1583
Ground clearance	mm		127
Turning circle	m		11.3
Fuel capacity	approx. l		60
Cooling and heating system reservoir capacity	l		6.9
Engine oil capacity <sup>2)</sup>	l		4.7
Weight, unladen (DIN/EU)	kg		1390 / 1465
Payload (DIN)	kg		550
Permitted total weight	kg		1940
Permitted axle load, front/rear	kg		890 / 1125
Permitted trailer load (12%) braked/unbraked	kg		- / -
Permitted roof load/trailer download	kg		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 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		125 / 170
at rpm	min <sup>-1</sup>		4800
Torque	Nm		250
at rpm	min <sup>-1</sup>		1500
<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>3)</sup> /vented
Rear brakes	Single-piston swing-calliper disc brakes		
Diameter	mm		<sup>3)</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 92V
Front/rear wheels			7J x 16 light-alloy

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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		
Gear ratios	I	:1	4.552
	II	:1	2.548
	III	:1	1.659
	IV	:1	1.230
	V	:1	1.000
	VI	:1	0.830
	R	:1	4.138
Differential ratio		:1	2.813

#### Performance

Weight-to-power ratio (DIN unladen)	kg/kW	11.1
Specific power output	kW/l	78.2
Acceleration 0–100 km/h	sec.	7.6
0–1,000 m	sec.	28.0
in 4th/5th gear 80–120 km/h	sec.	8.0 / 9.8
Max. speed	km/h	230

#### BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, gear shift indicator, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, air flap control, 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	7.0
Extra-urban	l/100 km	4.4
Total	l/100 km	5.3
CO <sub>2</sub> emissions	g/km	124
Emissions standard		EU6

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

<sup>1)</sup> Height with roof aerial: 1428 mm

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

<sup>3)</sup> Not yet available