

# Specifications BMW 3 Series Sedan. 320d xDrive



6/2012

Valid from

7/2012

BMW 320d xDrive		
<b>Body</b>		
No of doors / seats		4 / 5
Length/width/height (unladen)	mm	4624 / 1811 / 1434
Wheelbase	mm	2810
Track, front/rear	mm	1543 / 1582
Ground clearance		145
Turning circle	m	11,7
Tank capacity		57
Cooling system incl heater	ltr	7,0 (7,0)
Engine oil <sup>1)</sup>	ltr	5,2
Weight, unladen, to DINEU	kg	1510 / 1520 (1585 / 1595)
Max load to DIN	kg	540
Max permissible	kg	2050 (2060)
Max axle load, front / rear	kg	980 / 1145
Max trailer load (12%), braked / unbraked	kg	1600 / 750
Max roofload / max download	kg	75 / 75
Luggage comp	ltr	480
Air drag	cd x A	0,28 x 2,20
<b>Power Unit</b>		
Configuration/No of cyls/valves		In-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with variable- geometry turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)	
Capacity, effective	cc	1995
Stroke / bore	mm	90,0 / 84,0
Compression ratio	:1	16,5
Fuel		Diesel
Max output	kW/hp	135 / 184
at	rpm	4000
Max torque	Nm/lb-ft	380
at	rpm	1750 – 2750
<b>Electrical System</b>		
Battery / installation	Ah–	90 / Luggage compartment
ternator	A/W	180 / 2520
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-joint spring strut axle in aluminium with displaced castor, small positive steering roll radius, compensation of lateral forces, anti-dive	
Suspension, rear	Five-arm axle in lightweight steel	
Brakes, front	Single-piston swing-calliper disc brakes / vented	
Brakes, rear	Single-piston swing-calliper disc brakes / vented	
Driving stability systems	Standard: xDrive all-wheel-drive system, DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Brake Assistant, Dry Braking, Fading Compensation.	
Safety	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel belts on all seats, with belt retainer, belt latch tensioner and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator	
Steering	Electric Power Steering (EPS), optional: Servotronic Function, Variable Sport Steering	
Steering ratio, overall	:1	15,2
Tyres, front/rear		205/60 R16 92V
Wheels, front/rear		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		
Infotainment	Optional: access to the internet, BMW Online incl Parkinfo, National Info, Google directory search, news, realtime weather, BMW Routes, office functions, Bluetooth audio streaming and music title update online, 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		
Transmission			
Type of transmission	Six-speed manual (optional: eight-speed-automatic)		
Gear ratios	I	:1	4,110 (4,714)
	II	:1	2,248 (3,143)
	III	:1	1,403 (2,106)
	IV	:1	1,000 (1,667)
	V	:1	0,802 (1,285)
	VI	:1	0,659 (1,000)
	VII	:1	– (0,839)
	VIII	:1	– (0,667)
	R	:1	3,727 (3,295)
Final Drive		:1	3,231 (2,813)
Performance			
Power-to-weight ratio	kg/kW		11,2 (11,3)
Output per litre	kW/l		67,7
Acceleration 0–100 km/h	sec		7,5 (7,4)
standing-start	sec		27,9 (27,8)
In 4th/5th gear 80–120 km/h	sec		6,3 / 8,1
Top speed	km/h		233 (228)
BMW EfficientDynamics			
BMW EfficientDynamics, standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-regulated oil pump, air flap control, Electric Power Steering (EPS), detachable a/c compressor, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consump in EU Cycle			
Urban	litr/100k		6,2 (5,7)
Extra-urban	litr/100k		4,1 (4,1)
Combined	litr/100k		4,8 (4,7)
CO <sub>2</sub>	g/km		127 (124)
Emission rating	EU5		
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	litr/100k		6,3 (5,8)
Extra-urban	litr/100k		4,1 (4,2)
Combined	litr/100k		4,9 (4,8)
CO <sub>2</sub>	g/km		128 (125)
Emission rating	EU5		

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

<sup>1)</sup> Oil change