

Specifications BMW 3 Series Sedan. 320i xDrive, 328i xDrive



6/2012

Valid from

7/2012

BMW 320i xDrive			BMW 328i xDrive
Body			
No of doors / seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	4624 / 1811 / 1434	4624 / 1811 / 1434
Wheelbase	mm	2810	2810
Track, front/rear	mm	1543 / 1582	1543 / 1582
Ground clearance		145	145
Turning circle	m	11,7	11,7
Tank capacity		60	60
Cooling system incl heater	ltr	6,9 (7,6)	6,9 (7,6)
Engine oil ¹⁾	ltr	5,75	5,75
Weight, unladen, to DINEU	kg	1470 / 1490 (1545 / 1565)	1520 / 1535 (1595 / 1610)
Max load to DIN	kg	540	540
Max permissible	kg	2010 (2030)	2060 (2075)
Max axle load, front / rear	kg	960 / 1130	985 / 1155
Max trailer load (12%), braked / unbraked	kg	1700 / 750	1700 / 750
Max roofload / max download	kg	75 / 75	75 / 75
Luggage comp	ltr	480	480
Air drag	cd x A	0,29 x 2,20	0,30 x 2,20
Power Unit			
Configuration/No of cyls/valves		In-line / 4 / 4	In-line / 4 / 4
Engine technology		BMW TwinPower Turbo Technology: Twin-Scroll Turbocharging, High Precision Direct Injection, fully variable valve control (VALVETRONIC)	
Capacity, effective	cc	1997	1997
Stroke / bore	mm	90,1 / 84,0	90,1 / 84,0
Compression ratio	:1	11,0	10,0
Fuel		min. ROZ91	min. ROZ91
Max output	kW/hp	135 / 184	180 / 245
at	rpm	5000	5000
Max torque	Nm/lb-ft	270	350
at	rpm	1250 – 4500	1250 – 4800
Electrical System			
Battery / installation	Ah/-	90 / Luggage compartment	90 / Luggage compartment
ternator	AW	170 / 2380	210 / 2940
Driving Dynamics and Safety			
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	15,2
Tyres, front/rear		205/60 R16 92V	225/50 R17 94W RSC
Wheels, front/rear		7J x 16 Light Alloy	7,5J x 17Light 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)	4,110 (4,714)
		II	:1	2,315 (3,143)	2,315 (3,143)
		III	:1	1,542 (2,106)	1,542 (2,106)
		IV	:1	1,179 (1,667)	1,179 (1,667)
		V	:1	1,000 (1,285)	1,000 (1,285)
		VI	:1	0,846 (1,000)	0,846 (1,000)
		VII	:1	– (0,839)	– (0,839)
		VIII	:1	– (0,667)	– (0,667)
		R	:1	3,727 (3,295)	3,727 (3,295)
Final Drive			:1	3,385 (3,154)	3,385 (3,154)
Performance					
Power-to-weight ratio		kg/kW	10,9 (11,0)	8,4 (8,5)	
Output per litre		kW/l	67,6	90,1	
Acceleration 0–100 km/h		sec	7,4 (7,5)	5,7 (5,8)	
standing-start		sec	28,0 (28,3)	25,5 (25,7)	
In 4th/5th gear 80–120 km/h		sec	7,3 / 8,7	5,7 / 6,7	
Top speed		km/h	232 (230)	250 (250)	
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, 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	8,8 (8,3)	9,0 (8,7)	
Extra-urban		litr/100k	5,6 (5,3)	5,5 (5,5)	
Combined		litr/100k	6,8 (6,4)	6,8 (6,7)	
CO ₂		g/km	158 (149)	159 (157)	
Emission rating		EU5		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	8,8 (8,4)		
Extra-urban		litr/100k	5,6 (5,4)		
Combined		litr/100k	6,8 (6,5)		
CO ₂		g/km	159 (152)		
Emission rating		EU5		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

¹⁾ Oil change