



2020

BMW 3-Series

320d diesel 4x2 automatic



6.2 
/10

Clean Air
Index

6.0 
/10

Energy Efficiency
Index

0.6 
/10

Greenhouse Gas
Index



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
7.4/10 Cold Test					
7.4/10 Warm Test					
5.2/10 Cold Ambient Test					
4.9/10 Highway					



Road Test

6.9/10 On-Road Drive					
5.8/8 On-Road Heavy Load					
2.9/5 On-Road Light Load					
3.4/5 On-Road Short Trip					
0.0/2 Congestion					



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

The 320d keeps particulate number (PN) under tight control, thanks to its diesel particulate filter (DPF). In general Oxides of Nitrogen (NO_x) are also kept in check by selective catalyst reduction (SCR) but are high in the on-road congestion test.

Energy Efficiency Tests



Laboratory Test

Energy

6.7/10 Cold Test



7.4/10 Warm Test



4.6/10 Cold Ambient Test



5.4/10 Highway



Consumption

Driving Range

Average

5.2 l/100 km

1144 km

Worst-case

6.4 l/100 km

926 km



n.a.



good



adequate



marginal















weak



poor

Comments

The 320d is not an especially light car and, with a 140 kW engine, its performance in the Energy Efficiency assessment was impressive. Average consumption of just 5.2 l/100 km in the laboratory tests, combined with a 59 litre tank, leads to an average calculated driving range of 1,144 km.

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
0.5/7	Cold Test			
0.2/7	Warm Test			
0.0/7	Cold Ambient Test			
1.3/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


Emissions of Nitrous Oxide (N₂O), a powerful greenhouse gas that is not regulated by legislation, was high in all of Green NCAP's tests and the car lost virtually all points in this part of the assessment.

Our Verdict

The BMW 3 Series, now in its seventh generation, is tested here with the 2.0 litre turbocharged engine, and impresses and disappoints in roughly equal measure. Pollutant emissions are, in general, well controlled, thanks to selective catalyst reduction and a diesel particulate filter, and this is reflected in an index of 6.2 in this part of the assessment. Energy efficiency is also good, and the car scores well again in this area. However, emissions of Nitrous Oxide (N₂O), a powerful but unregulated greenhouse gas, are excessive in all of Green NCAP's tests, and the car scores almost nothing for its performance in this part of the assessment. Overall, the 320d clears the hurdle for a 2½ star rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
11 2020	WBA5V51070AJ5xxxx	Euro 6d-Temp	225/45/18/95Y
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,572 kg	1,995 cc	140 kW/400 Nm	138 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

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