



CITROËN



2021

Citroën C3

1.2 PureTech petrol 4x2 manual



4.8
/10 

Clean Air
Index

5.7
/10 

Energy Efficiency
Index

5.0
/10 

Greenhouse Gas
Index

4.8
/10



Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
4.0/10 Cold Test	Orange	Yellow	Yellow	Orange	Brown
6.0/10 Warm Test	Green	Yellow	Orange	Yellow	Brown
3.1/10 Cold Ambient Test	Red	Yellow	Yellow	Brown	Red
5.2/10 Highway	Green	Yellow	Brown	Brown	Brown



Road Test

4.9/10 On-Road Drive	Grey	Yellow	Grey	Yellow	Brown
4.4/8 On-Road Heavy Load	Grey	Green	Grey	Green	Brown
2.0/5 On-Road Light Load	Grey	Orange	Grey	Green	Brown
2.3/5 On-Road Short Trip	Grey	Yellow	Grey	Brown	Brown
2.0/2 Congestion	Grey	Green	Grey	Grey	Grey



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

In most tests, the C3 1.2 PureTech controls pollutant emissions reasonably well: in the cold and warm tests, results are not excessive and the car scores well. However, the cold ambient temperature test exposes some flaws in the exhaust after-treatment and, here, particulate number (PN) and emissions of non-Methane hydrocarbons (NMHC) are high

Energy Efficiency Tests



Laboratory Test

Energy

6.4/10 Cold Test



6.6/10 Warm Test



5.9/10 Cold Ambient Test



3.9/10 Highway



Consumption

Driving Range

Average

6.5 l/100 km

730 km

Worst-case

7.7 l/100 km

664 km



n.a.



good



adequate



marginal
















weak



poor

Comments

Energy efficiency is what might be expected of a car in this category. Efficiency drops in the high-load highway test and it is here that the worst-case consumption of 7.7 l/100 km is recorded but, overall, the car scores well and has an index of 5.7 in this part of the assessment.

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
3.7/7	Cold Test			
3.9/7	Warm Test			
3.6/7	Cold Ambient Test			
3.0/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


The C3 1.2 PureTech performs well in this part of the assessment. Emissions of N₂O and of Methane (CH₄) are low in all of the lab tests and CO₂ is not excessive. In the cold test, measured CO₂ was very close to the published value of 135 g/km.

Our Verdict

The third-generation Citroën C3, first shown in 2016 and released in 2017, is tested here in petrol form, with the 1.2 litre PureTech engine producing a modest 61 kW and 118 Nm. The car is equipped with limited exhaust after-treatment - only a three-way catalyst - but manages to turn in a creditable performance nevertheless. Its control of pollutant emissions is, on the whole, quite good. A gasoline particulate filter would help to reduce particulate emissions and, when stretched, such as in the cold ambient temperature test, this is an area that suffers. But the car shows balanced performance across the three areas of assessment, with similar index values in each one, and emerges with a three-star Green NCAP rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	VF7SXHMRVKT63 ^{xxx}	Euro 6d	205/55R16 91V
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,041 kg	1,199 cc	61 kW/118 Nm	135 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

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