



2021

Renault Captur

E-TECH 160 Plug-In Intens plug-in hybrid 4x2 automatic



5.7 
/10

Clean Air
Index

6.8 
/10

Energy Efficiency
Index

6.1 
/10

Greenhouse Gas
Index



Laboratory Test

		NMHC	NO _x	NH ₃	CO	PN
4.9/10	Cold Test					
5.8/10	Warm Test					
4.8/10	Cold Ambient Test					
5.1/10	Highway					



Road Test

2.9/10	On-Road Drive					
4.9/8	On-Road Heavy Load					
3.0/5	On-Road Light Load					
2.7/5	On-Road Short Trip					
2.0/2	Congestion					



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

Values of NO_x are very low but Ammonia (NH₃) output is relatively high and reduces the total score in this part of the assessment. However, the Captur's biggest challenge in the Clean Air Index is the high particle emissions, which are close to Green NCAP's upper threshold. If not for this, the Renault would have scored significantly higher than the current 5.7/10.



Laboratory Test

Energy

6.5/10	Cold Test	<div></div> <div>→</div>	19.3 kWh/100 km
7.6/10	Warm Test	<div></div>	
4.0/10	Cold Ambient Test	<div></div>	
4.3/10	Highway	<div></div>	

Consumption

Driving Range

	Petrol	Electric	Petrol	Electric	
Average	2.7 l	30.6 kWh /100 km	1,440	36	km
Worst-case	3.1 l	n.a. /100 km	1,243	n.a.	km

Consumption in electric mode: 22.7 kWh/100 km electric + 1.3 l/100 km fuel



n.a.



good



adequate



marginal



weak
















poor

Comments

When operated with an empty battery, the Renault Captur E-TECH Plug-in behaves as a fuel-efficient small SUV petrol hybrid. With the battery fully charged, however, consumption is significantly reduced and, overall, the Captur is awarded with a very creditable score of 6.8 points for its energy efficiency performance.

6.1 Greenhouse Gases Tests

/10

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
3.8/7	Cold Test			
4.2/7	Warm Test			
3.0/7	Cold Ambient Test			
3.1/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments

The tailpipe greenhouse gas emissions of a PHEV are highly dependent on the balance of usage between fossil fuel and stored electric energy. The Captur's hybrid management and the battery size of declared 9.8 kWh assure it a high score of 6.1 points. Laughing gas (N₂O) and methane (CH₄) emissions are almost non-existent, which supports the high result.

Our Verdict

Introduced in 2020, the Renault Captur E-TECH 160 plug-in hybrid is a small SUV well suited to urban driving thanks to its ability to drive up to 40 km in fully electric mode. Pollutant control is generally adequate and robust but the car's score is reduced by high particle emissions and, and those of ammonia (NH₃) could also be improved. The vehicle makes efficient use of its two power sources and scores well in the Energy Efficiency and Greenhouse Gas indices. As for all Plug-in hybrids, a higher electric range would lead to higher scores in these assessment areas and the user should charge the high voltage battery frequently. With an overall index of 6.2 out of 10, the Captur E-TECH reaches 3½ green stars and takes a well-deserved place amongst other plug-in hybrid electric vehicles tested by Green NCAP.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
11 2021	VF1RJB00X6682xxxx	Euro 6d	225/55 R18 98H
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,580 kg	1,598 cc	116 kW/205 Nm	34 g/km
Declared Battery Capacity	Published Driving Range		
9.80 kWh	50 km		



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