



2021

# Lexus UX 300e

electric 4x2 automatic



10.0   
/10

Clean Air  
Index

9.7   
/10

Energy Efficiency  
Index

10.0   
/10

Greenhouse Gas  
Index

10.0  
/10



# Clean Air Tests



## Laboratory Test

	NMHC	NO <sub>x</sub>	NH <sub>3</sub>	CO	PN
10.0/10 Cold Test	●	●	●	●	●
10.0/10 Warm Test	●	●	●	●	●
10.0/10 Cold Ambient Test	●	●	●	●	●
10.0/10 Highway	●	●	●	●	●



## Road Test

10.0/10 On-Road Drive	●	●	●	●	●
8.0/8 On-Road Heavy Load	●	●	●	●	●
5.0/5 On-Road Light Load	●	●	●	●	●
5.0/5 On-Road Short Trip	●	●	●	●	●
2.0/2 Congestion	●	●	●	●	●



## Robustness



n.a.



good



adequate



marginal



weak



poor

### Comments

The Lexus UX 300e is a pure electric vehicle and no pollutants are emitted at the tailpipe. Accordingly, the car scores the maximum index of 10 in this part of the assessment.

**9.7**  
/10



# Energy Efficiency Tests



## Laboratory Test

### Energy

<b>10.0/10</b>	<b>Cold Test</b>	 →	<b>22.6</b> kWh/100 km
<b>10.0/10</b>	<b>Warm Test</b>	 →	<b>20.7</b> kWh/100 km
<b>9.0/10</b>	<b>Cold Ambient Test</b>	 →	<b>36.0</b> kWh/100 km
<b>10.0/10</b>	<b>Highway</b>	 →	<b>28.9</b> kWh/100 km

### Consumption

### Driving Range

<b>Average</b>	<b>24.1</b> kWh/100 km	<b>214</b> km
<b>Worst-case</b>	<b>36.0</b> kWh/100 km	<b>141</b> km



n.a.



good



adequate



marginal



weak



poor

### Comments

Only for one test, the vehicle exceeded Green NCAP's lower threshold and scored less than the possible maximum. This test is the WLTC+ CAT, where the Lexus was tested at an ambient temperature of -7°C. Overall, however, the energy efficiency index of 9.7 is still close to the maximum possible to the generally low electricity consumption of the battery electric powertrain.

# Greenhouse Gases Tests

	<u>Greenhouse gases</u>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>
7.0/7	Cold Test			
7.0/7	Warm Test			
7.0/7	Cold Ambient Test			
7.0/7	Highway			



n.a.



good



adequate



marginal



weak



poor

### Comments

Because no greenhouse gases are emitted at the tailpipe of an all-electric vehicle, the UX 300e scores maximum points in this part of the assessment.

## Our Verdict

The Lexus UX 300e is a pure electric crossover with an electric motor providing 150 kW of power and 300 Nm of torque, offering a dynamic driving performance. For the time being, Green NCAP assesses vehicles based only on what is emitted at the tailpipe, so the Lexus UX 300e gets the maximum points in two out of the three areas of the assessment - Clean Air and Greenhouse Gases - as local emissions of these are zero. With regard to the Energy Efficiency Index, the vehicle passed almost all of Green NCAP's tests with maximum points and, overall, the car comfortably achieves 5 stars. A higher driving range would improve the vehicle's functionality and user experience, but for those wishing to minimize their environmental impact, the Lexus 300e offers an excellent choice.

## Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
11 2021	JTHAABBH80200xxxx	Euro AX	215/60 R17
Mass	Engine Size	Engine Power/Torque	Published CO <sub>2</sub>
1,801 kg	n.a.	150 kW/300 Nm	n.a.
Declared Battery Capacity	Published Driving Range		
54.3 kWh	312 km		



Think before you print