



RENAULT



2020

Renault ZOE

R110 ZE50 electric 4x2 automatic



10.0 
/10

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Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	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





Pure electric cars emit no tailpipe emissions, and the ZOE scores maximum points in this part of the assessment.

Energy Efficiency Tests



Laboratory Test

Energy

10.0/10	Cold Test	 →	19.3 kWh/100 km
10.0/10	Warm Test	 →	17.9 kWh/100 km
10.0/10	Cold Ambient Test	 →	27.7 kWh/100 km
10.0/10	Highway	 →	29.8 kWh/100 km

Consumption

Driving Range

Average	22.3 kWh/100 km	319 km
Worst-case	29.8 kWh/100 km	227 km



n.a.



good



adequate



marginal



weak



poor

Comments

Green NCAP does not currently take into account the carbon dioxide emitted in producing the electricity used to power electric vehicles. However, its measurement method does account for energy losses during charging and discharging i.e. it measures the actual amount of energy which is put into the car, rather than what is used by it. Even on this measure, the ZOE's efficiency remains above the point at which it would begin to lose points, and it scores maximum points in this part of the assessment.

10.0



/10

Greenhouse Gases Tests



Greenhouse gases

CO₂

N₂O

CH₄

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


As with the Clean Air assessment, the ZOE scores full points here as it emits no gases at the tailpipe.

Our Verdict

The ZOE has been the best-selling all-electric vehicle in France since 2013. The car has had various motors and battery capacities in that time but here it is tested with the 80 kW, 52 kWh configuration. The car scores a maximum five stars and gets maximum points in all areas of assessment. In the WLTC cold test, the measured range closely matches the published value of 395 km but the average is lowered by some of the more demanding tests.

Disclaimer

Publication Date 11 2020	Tested Car VF1AG00086481xxx	Emissions Class Euro AX	Tyres 185/65/15 92T
Mass 1,502 kg	Engine Size n.a.	Engine Power/Torque 80 kW/225 Nm	Published CO ₂ 0 g/km
	Battery Capacity 52.0 kWh	Published Driving Range 395 km	

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