Hyundai KONA

ELECTRIC FWD AUTOMATIC

2024 ★★★★★ 98%

GREENER CHOICE LCA

10.0 /10	9.7 /10	9.9 /10
Clean Air Index	**Energy Efficiency Index**	**Greenhouse Gas Index**

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

● n.a. ● good ● adequate ● marginal ● weak ● poor

Comments

With no tailpipe emissions, the electric Hyundai Kona naturally scores the full 10 points in the Clean Air part of the assessment.

9.7 /10 Energy Efficiency Tests

Laboratory Test

		Energy		
10.0/10	Cold Test		→	14.7 kWh/100 km
10.0/10	Warm Test		→	14.3 kWh/100 km
9.7/10	Highway		→	21.9 kWh/100 km
9.4/10	Cold Ambient Test		→	24.2 kWh/100 km

	Consumption	Driving Range
Average	16.9 kWh/100 km	458 km
Worst-case	24.3 kWh/100 km	308 km

n.a. good adequate marginal weak poor

Comments

In the standard WLTC+ Lab Tests, the Kona achieves the second-lowest consumption values measured by the programme so far, just after the Opel Corsa-e. The test figures are even below the declared 14.8 kWh/100 km, even though Green NCAP tests with active cabin climatization, in contrast to the type approval test. The Cold Ambient Test figure of 24.2 kWh/100 km is the third-best recorded value in Green NCAP's history. With cloudy weather and 20°C average ambient temperature, the On-road Drive required only 15.5 kWh/100 km, where the Short Urban Trip only used 10.4 kWh/100 km.

9.9 /10 Greenhouse Gases Tests

	Greenhouse gases	CO_2	N_2O	CH_4
10.0/10	Cold Test	●	●	●
10.0/10	Warm Test	●	●	●
10.0/10	Highway	●	●	●
9.9/10	Cold Ambient Test	●	●	●

n.a. good adequate marginal weak poor

Comments

The Greenhouse Gas Index is based on a Well-to-Wheel+ approach, meaning that the GHG emissions related to the supply of energy are added to those of the tailpipe. Following this approach, the estimated GHG emissions of the fully electric Kona originate only from the upstream processes of electricity supply – only ca. 40 g CO_2 eq./km in the standard Lab Test and reaching just 68 g CO_2 eq./km in the Cold Ambient Test. Thanks to the low energy consumption of the vehicle and the relatively low CO_2 emissions of European electricity production, the Kona scores 9.9/10 in this part of the assessment.

Our Verdict

Hyundai has achieved a lot since Green NCAP tested the first electric Kona in 2020. The new model comes with much longer driving range thanks to a bigger battery and significantly lower consumption values in all tests. The power has also increased from 100 to 160 kW, delivering a more dynamic driving experience and better performance in high power demand situations. From what could be seen as a niche product back then, the new Kona electric has all it takes to be a high sales vehicle on European roads. In the standard lab test and in the -7°C Cold Ambient Test, the new Kona demonstrates consumption results which are among the lowest measured so far. It is important that the car did not sacrifice heating comfort to increase the driving range in the -7°C test. On the contrary, it very quickly reached a comfortable cabin temperature. The low consumption figures are possible also thanks to the very high grid-to-battery-output efficiency of 92% - one of the highest values among all tested electric cars. The tested vehicle can do 341 km in the Highway Test and is expected to cover about 480 km in mixed real-world Driving at favourable conditions. With an Average Score of 98%, the electric Kona receives a very well deserved 5 star rating.

Disclaimer

Specification

Tested Car
TMAH881A2RJ01xxxx

Publication Date	Vehicle Class	Tyres	Emissions Class
12 2024	Small SUV	215/60 R17 96H	AX

Mass	Engine Size	System Power/Torque	Declared CO_2
1,785 kg	n.a.	160 kW/255 Nm	n.a.

Declared Battery Capacity	Declared Driving Range	Declared Consumption
65.4 kWh	Overall 511 km City 677 km	14.8 kWh/100 km

Heating Concept
Waste heat & PTC & Heat pump

Think before you print