

ZEEKR 001

LONG RANGE ELECTRIC RWD AUTOMATIC

2024



95%



10.0 
/10

**Clean Air
Index**

9.2 
/10

**Energy Efficiency
Index**

9.5 
/10

**Greenhouse Gas
Index**

10.0
/10



Clean Air Tests



Laboratory Test

NMHC

NO_x

NH₃

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 ZEEKR 001 naturally scores the full 10 points in the Clean Air Index.

Energy Efficiency Tests



Laboratory Test

Energy

10.0/10	Cold Test		→	18.5 kWh/100 km
10.0/10	Warm Test		→	18.9 kWh/100 km
9.0/10	Highway		→	27.2 kWh/100 km
8.2/10	Cold Ambient Test		→	32.9 kWh/100 km

Consumption

Driving Range

Average	21.6 kWh/100 km	529 km
Worst-case	32.9 kWh/100 km	336 km



n.a.



good



adequate



marginal



weak



poor

Comments

In cold conditions at -7°C, the ZEEKR 001's energy consumption rises to 33 kWh/100 km, which is not surprising for a car of this size and quick cabin heating performance. The challenging Highway Test results in a relatively high energy demand. In the standard lab WLTC+ tests, the ZEEKR managed to keep its consumption values below 19 kWh/100 km. The vehicle's grid-to-battery output charging/discharging efficiency when AC charging is 89.4% - a fairly typical value for modern electric cars.

9.5

/10

Greenhouse Gases Tests



Greenhouse gases

CO₂

N₂O

CH₄

10.0/10 Cold Test



10.0/10 Warm Test



9.5/10 Highway



8.6/10 Cold Ambient Test



n.a.



good



adequate



marginal



weak



poor

Comments

This Index is based on a Well-to-Wheel+ approach, meaning that the GHG emissions related to the supply of the energy are added to those of the tailpipe. As the ZEEKR 001 is purely electric, its GHG emissions originate only from electricity supply – ca. 52-93 g CO₂-eq./km, depending on the test consumption. Thanks to its generally low energy consumption and the low greenhouses intensity of European electricity supply, the score in this part of the assessment is an excellent 9.5 out of 10.

Our Verdict

ZEEKR, a new electric mobility technology for premium vehicles, has landed in the European market with its hatchback ZEEKR 001, available in three configurations. Green NCAP has tested the Long Range rear-wheel drive version with 200 kW and 620 km of declared driving range. There are also available two all-wheel drive trims with 400 kW of power, giving higher performance. The Long Range RWD version has a declared usable battery capacity of 96 kWh and allows the vehicle to have an average driving range (measured by Green NCAP procedures) of 529 km. In short urban trips the driving range reaches around 676 km, where the EV demonstrate all its potential. The vehicle's HVAC system is composed of a PTC heater and a heat pump and can utilise waste heat from the electric powertrain components. The driving range is reduced to 336 km in Green NCAP WLTC test at -7°C of ambient temperature. In the battery capacity test, the electric energy of 110.7 kWh needed for a full battery recharge and the measured usable battery energy of 99 kWh give a creditable grid-to-battery output efficiency of 89.4%. Overall, ZEEKR 001 gets an average score of 95% and 5 Green stars. In parallel, ZEEKR has released an urban premium SUV, the ZEEKR X [↗](#), that has also been tested by Green NCAP, with similarly impressive results.

Disclaimer [↗](#)

Specification

Tested Car

L6TDC2015PP06xxxx

Publication Date 05 2024	Vehicle Class Executive Car	Tyres 255/45R21	Emissions Class Euro 6 AX
Mass 2,200 kg	Engine Size n.a.	System Power/Torque 200 kW/343 Nm	Declared CO₂ n.a.
Declared Battery Capacity 96.0 kWh	Declared Driving Range Overall 620 km City 794 km	Declared Consumption 17.3 kWh/100 km	
Heating Concept Waste heat & PTC & Heat pump			



Think before you print