

Opel/Vauxhall Corsa

ELECTRIC FWD AUTOMATIC

2024



99%



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_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 electric Opel Corsa naturally scores the full 10 points in the Clean Air part of the assessment.

Energy Efficiency Tests



Laboratory Test

Energy

10.0/10	Cold Test		→	14.2 kWh/100 km
10.0/10	Warm Test		→	13.6 kWh/100 km
9.6/10	Highway		→	22.6 kWh/100 km
9.4/10	Cold Ambient Test		→	23.9 kWh/100 km

Consumption

Driving Range

Average	16.8 kWh/100 km	354 km
Worst-case	23.9 kWh/100 km	237 km



n.a.



good



adequate



marginal



weak



poor

Comments

With 14.2 and 13.6 kWh/100 km, the Opel Corsa Electric achieves the lowest consumption figures in Green NCAP's Cold and Warm Lab Tests, respectively. The Cold Ambient and Highway Test electricity demand values are also among the all-time best performers. The Corsa's achievements don't end there – the tests show that 91% of the electricity taken from the grid is available for use at the battery output, a value notably higher than the usual average 88-89%. The On-road Drive consumption of 15.7 kWh/100 km is also among Green NCAP's top results.



Greenhouse gases

CO₂

N₂O

CH₄

10.0/10 Cold Test



10.0/10 Warm Test



10.0/10 Highway



10.0/10 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 Corsa originate only from the upstream processes of electricity supply – only ca. 40 g CO₂ eq./km in the standard Lab Test and reaching just 67 g CO₂ eq./km in the Cold Ambient Test. Thanks to the low energy consumption of the vehicle and the relatively low CO₂ emissions of European electricity production, the Corsa scores 10/10 in this part of the assessment.

Our Verdict

With this facelift of the 6th generation Corsa, Opel offers a full electric supermini which is ready to set new efficiency standards. Tested here is the 115 kW version, equipped with an optional 11 kW on-board charger. The small vehicle weighs 1.5 tonnes and comes with an appropriately-sized battery of 51 kWh declared usable capacity – a value confirmed by Green NCAP’s measurements. The Corsa achieves best results in the standard lab tests. Surprisingly for a vehicle of this class, the small Opel demonstrates high energy economy in the Highway Test as well: other small cars are often designed to operate efficiently at lower speeds to the detriment of motorway consumption. The On-Road Drive was performed on dry and sunny roads in 9°C cold weather, which makes the result of 15.7 kWh/100 km even more impressive. With such a low average electricity demand, the Corsa-e could go for around 360 km. The -7°C Cold Ambient Test result is excellent – only 23.9 kWh/100 km – but unfortunately comes at the expense of cabin comfort. In its 2024 protocols, Green NCAP measures the temperature at the front passenger’s head rest. While the automatic air-conditioning was set to 23°C, the temperature sensor recorded a maximum of 18.7°C, which might be enough for a feeling of warmth if it weren’t for the slow increase of the reading. Starting at -6°C, after 4 minutes the value was still only 8°C and a full 10 minutes was needed for the sensor to show 16°C. Other electric vehicles heat up much faster. The low figure recorded in the Cold Ambient Test helps the Corsa reach an Average Score of 99% and collect all 5 Green stars, becoming one of the most energy efficient electric vehicles Green NCAP has tested.

Disclaimer [↗](#)

Specification

Tested Car

VXKUHZKWZP428xxxx

Publication Date 12 2024	Vehicle Class City and Supermini	Tyres 195/55 R16	Emissions Class AX
Mass 1,503 kg	Engine Size n.a.	System Power/Torque 115 kW/260 Nm	Declared CO₂ n.a.
Declared Battery Capacity 51.0 kWh	Declared Driving Range Overall 401 km City 546 km	Declared Consumption 14.3 kWh/100 km	
Heating Concept PTC			



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