



TOYOTA



2022

Toyota Aygo X

53 kW petrol FWD manual



6.2 
/10

**Clean Air
Index**

6.0 
/10

**Energy Efficiency
Index**

4.8 
/10

**Greenhouse Gas
Index**



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
6.4/10 Cold Test					
8.1/10 Warm Test					
8.0/10 Highway					
0.0/10 Cold Ambient Test					



Road Test

7.4/10 On-Road Drive					
2.7/5 On-Road Short Trip					
5.4/8 On-Road Heavy Load					
4.1/5 On-Road Light Load					
2.0/2 Congestion					



n.a.



good



adequate



marginal



weak



poor

Comments

The Aygo X performs well in the standard tests and even collects 8 points in two of the tests. There is some room for improvement especially in the control of particle emissions. Carbon monoxide (CO) seems to be a challenge in cold engine starts and this is confirmed by the additional robustness Cold Ambient test. Both CO and the unburnt hydrocarbons are more than the gross exceedance limits and set the test result to 0. Particle number is also close to the upper threshold in this test which simulate winter conditions. NO_x emissions, on the other hand, are always very well controlled.

Energy Efficiency Tests



Laboratory Test

Energy

6.5/10 Cold Test



6.7/10 Warm Test



5.0/10 Highway



5.9/10 Cold Ambient Test



Consumption

Driving Range

Average

5.5 l/100 km

643 km

Worst-case

7.1 l/100 km

491 km



n.a.



good



adequate



marginal



weak



poor














Comments

Toyota's supermini SUV is a light vehicle and shows relatively low consumption but the values could be better if additional technical solutions like turbocharging or electrification were used to complement the small 3-cylinder petrol engine. A standard on-road trip requires 4.7l/100 km, whereas the minimal measured consumption is 3.1l/100 km in the eco-friendly light load test. Driving on the highway consumes 6.4l/100km, with a maximum of 7.1l/100 km in the aggressive heavy load on-road test.

4.8

/10

Greenhouse Gases Tests

 <u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
5.5/10 Cold Test			
5.7/10 Warm Test			
3.5/10 Highway			
4.8/10 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 greenhouse gas emissions related to the supply of the energy are added to the tailpipe emissions. In the cold laboratory test, upstream emissions of 30 g/km are added to the measured exhaust CO₂ emissions of 116 g/km and the vehicle scores 5.5/10. With a total of 181 g CO₂-eq./km, the Aygo X collects only 3.5 points in the Highway test. The small Toyota is rewarded with all the bonus points for good control of methane (CH₄) and laughing gas (N₂O), which are both strong greenhouse gases.

Our Verdict

Toyota's Aygo X is a super mini urban SUV with relatively low power, mostly targeting the younger audience. The consumption figures are moderate and depend greatly on driving style, whereas the demand for petrol can vary from 3 to 7l/100 km. The greenhouse gas index is related to the consumption and any fuel saving measure will also increase its score of the currently modest 4.8/10. Pollutant control is good in most cases, but additional effort is needed to prevent high emissions under cold ambient conditions. The score for the Clean Air Index would also benefit from measures to reduce particle output. Overall, the Aygo X finishes with a weighted index of 5.6/10 and confidently collects 3 Green Stars - a creditable result for a naturally aspirated petrol-engined car.

Disclaimer [↗](#)

Specifications

Publication Date 08 2022	Tested Car JTDAGNAC50000xxxx	Tyres 175/60 R18	Emissions Class Euro 6d AP
Mass 981 kg	Engine Size 998 cc	Power/Torque 53 kW/93 Nm	Declared CO ₂ 110 g/km
Declared Battery Capacity n.a.	Declared Driving Range n.a.	Declared Consumption 4.9 l/100 km	



Think before you print