



2019

FIAT Panda

0.9 Twinair 4x2 CNG-petrol manual






























5.5 
/10

Clean Air
Index

4.9 
/10

Energy Efficiency
Index

 <u>Laboratory test</u>		HC	CO	NO _x	PN
0.0/9	Cold Test*				
3.0/3	Warm Test#				
3.0/3	Eco Mode#				
3.0/3	Sport Mode#				
4.4/9	Highway#				
 <u>Road test</u>					
5.5/7	On-Road Drive*				
 <u>Robustness</u>					

* Adapted regulatory test # Additional Green NCAP tests

Green NCAP determines particulate number using industry-standard measuring equipment, which can detect particles larger than 23 nm. There is some evidence that cars which perform well when measured in this way may in fact be emitting large numbers of much smaller (sub 10 nm), and very harmful particulates.



n.a.



good



adequate



marginal



weak



poor

Comments

Good or adequate control of pollutant emissions when running in gas mode is let down by extremely poor control of particulates when the car is switched to petrol. As a result, the score is penalised and the Clean Air Index of 5.5 limits the car to a two-star overall rating.



Laboratory test

Energy

6.7/10 Cold Test*



2.1/3 Warm Test#



2.1/3 Eco Mode#



2.1/3 Sport Mode#



3.8/10 Highway#



Consumption

Fuel

Average consumption

4.2 kg/100 km

Worst-case consumption

5.1 kg/100 km

* Adapted regulatory test # Additional Green NCAP tests



n.a.



good



adequate



marginal



weak



poor

Comments

Energy efficiency is adequate in most of the laboratory tests but fall to marginal in the high-load assessment.

Additional Information

Greenhouse Gases **

CO₂

Cold Test*



Warm Test#



Eco Mode#



Sport Mode#



Highway#



* Adapted regulatory test # Additional Green NCAP tests

** For indication only. The assessment of greenhouse gases does not currently form part of the rating.



n.a.



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poor

Our verdict

The Panda, tested previously by Green NCAP in its Euro 6b petrol form, is assessed here as the Euro 6d-temp CNG/petrol bi-fuel variant. The car has a 12 kg CNG tank and a 35 litre fuel tank, meaning that it will spend much of its time being driven on petrol, in addition to its compressed natural gas (CNG) 'primary' fuel. When running on gas, pollutant emissions are generally well controlled. However, when the vehicle is run on petrol, and with no gas particulate filter, emissions of particulates are extremely high, over twenty times higher than CNG mode in the case of the cold test. Even in CNG mode, hydrocarbon emissions are above Green NCAP's poor-performance limit in the high-load test. As a consequence, the Clean Air Index is a modest 5.5, limiting the overall rating to two stars. Energy efficiency is marginal, especially in the high load test, and the average fuel consumption in gas mode is 4.2 kg/100 km. FIAT expect the car to be used predominantly in gas-mode. However, the relative sizes of the CNG and petrol tank invites drivers to use both fuel modes, while FIAT has optimised the car only for one.

Year of Publication

2019

Tested Car

ZFA31200003C5XXXX

Emissions Class

Euro 6d-Temp

Mass

1,080 kg

Engine Size

875 cc

Engine Power/Torque

59 kW/140 Nm

Tyres

175/65R16

Published CO₂

97 g/km



Think before you print