



2022

Peugeot 308

1.2 PureTech 130 petrol FWD automatic



3.9 
/10

**Clean Air
Index**

4.7 
/10

**Energy Efficiency
Index**

3.2 
/10

**Greenhouse Gas
Index**

3.9
/10



Clean Air Tests



Laboratory Test

NMHC

NO_x

NH₃

CO

PN

3.9/10 Cold Test



6.9/10 Warm Test



0.0/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing



Road Test

5.2/10 On-Road Drive



1.9/5 On-Road Short Trip



On-Road Heavy Load

Does not qualify for additional robustness testing

On-Road Light Load

Does not qualify for additional robustness testing

Congestion

Does not qualify for additional robustness testing



n.a.



good



adequate



marginal



weak



poor

Comments

The 1.2 litre engine in the Peugeot 308 shares many characteristics with other small petrol engines. In this case, high CO emissions lead to zero points in the Highway Test. NO_x is very well managed with a warm engine, but a cold engine start pushes the emissions one order of magnitude higher, costing the Peugeot points.

Energy Efficiency Tests



Laboratory Test

Energy

5.5/10 Cold Test



5.7/10 Warm Test



3.0/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing

Consumption

Driving Range

Average

6.6 l/100 km

811 km

Worst-case

8.0 l/100 km

654 km



n.a.



good



adequate



marginal



weak



poor

Comments

Energy Efficiency is the part of the assessment where the Peugeot scores best. Both WLTC+ tests score about half of the possible points while the BAB130 Highway Test pulls the overall efficiency rating down a little with consumption of approximately 8 litres per 100 km, resulting in a total of 4.7 out of 10 possible points.

3.2

/10

Greenhouse Gases Tests



Greenhouse gases

CO₂

N₂O

CH₄

4.2/10 Cold Test



4.5/10 Warm Test



1.2/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing



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. The result is a total of nearly 170 g/km CO₂ equivalent for the WLTC+ tests and 222 g/km CO₂-equivalent in the BAB130 Highway Test, leading to an overall result of 3.2 out of possible 10 points in the Greenhouse Gas Index. The robust control of laughing gas and methane contribute maximum points in the Highway Test and help the Peugeot offsetting the negative scores of CO₂ emissions.

Our Verdict

August 2023: The result of this car has been updated. Previously reported Ammonia (NH₃) values were incorrect owing to a technical error with the equipment at the test laboratory and a correction has been applied.

The Peugeot 308 brings a very common engine with 1.2 litres to the table. Like other smaller petrol engines, the three-cylinder power unit gets in trouble under constant high load where it emits very high amounts of CO. Although the car is equipped with a GPF, better control of particle emissions and carbon monoxide in high power demand phases would immediately help the small car reach a significantly higher result. The vehicle scores moderately well in the Energy Efficiency and Greenhouse Gas Indexes, leading to an overall rating of 2 stars.

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Specifications

Publication Date	Tested Car	Tyres	Emissions Class
06 2022	VR3FPHNSTMY52xxx	225/45 R17	Euro 6d AP
Mass	Engine Size	Power/Torque	Declared CO ₂
1,323 kg	1,199 cc	96 kW/230 Nm	129 g/km
Declared Battery Capacity	Declared Driving Range	Declared Consumption	
n.a.	n.a.	5.7 l/100 km	



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