



2022

Peugeot 308

1.2 PureTech 130 petrol FWD automatic



3.8 
/10

**Clean Air
Index**

4.7 
/10

**Energy Efficiency
Index**

3.2 
/10

**Greenhouse Gas
Index**

3.8
/10



Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
3.7/10 Cold Test	Yellow	Brown	Orange	Orange	Brown
6.5/10 Warm Test	Green	Green	Red	Yellow	Orange
0.0/10 Highway	Green	Green	Yellow	Red	Brown

Cold Ambient Test

Does not qualify for additional robustness testing



Road Test

5.2/10 On-Road Drive	Grey	Green	Grey	Orange	Brown
1.9/5 On-Road Short Trip	Grey	Yellow	Grey	Red	Brown

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 liter 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 liters 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

The Peugeot 308 brings a very common engine with 1.2 liters 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.

Disclaimer

Publication Date 06 2022	Tested Car VR3FPHNSTMY52xxxx	Tyres 225/45 R17	Emissions Class Euro 6d AP
Mass 1,323 kg	Engine Size 1,199 cc	Power/Torque 96 kW/230 Nm	Declared CO ₂ 129 g/km
Declared Battery Capacity n.a.	Declared Driving Range n.a.	Declared Consumption 5.7 l/100km	



Think before you print