



DS AUTOMOBILES



2022

DS 4

PureTech 225 petrol FWD automatic



3.2 
/10

**Clean Air
Index**

3.5 
/10

**Energy Efficiency
Index**

2.0 
/10

**Greenhouse Gas
Index**



Laboratory Test

NMHC

NO_x

NH₃

CO

PN

2.4/10 Cold Test



5.1/10 Warm Test



0.0/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing



Road Test

5.3/10 On-Road Drive



1.7/5 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 DS 4 is an average performer in the Warm Test. A cold engine start reduces the performance to a mere 2.4/10 and reveals the weaknesses of the exhaust aftertreatment. In the Highway Test, the CO emissions skyrocket, NH₃ reaches very high values and particle control fails. The standard On-Road Drive is comparable with the Warm Test in the lab and gives a mediocre result. The vehicle just complies with Euro 6 standards but loses robustness under more challenging condition and receives a weak 3.2 out of 10 in this part of the assessment.

Energy Efficiency Tests



Laboratory Test

Energy

4.7/10 Cold Test



4.5/10 Warm Test



1.5/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing

Consumption

Driving Range

Average

7.5 l/100 km

707 km

Worst-case

9.2 l/100 km

563 km



n.a.



good



adequate



marginal



weak



poor

Comments

With its 165 kW engine, the DS 4 needs more than 6.5 liters of petrol per 100 km in the standard WLTC+ lab tests. The Highway drive represents a big challenge with consumption of 9.2l/100 km. The Standard On-Road Drive would require about 6.9l/100 km and short urban trips will increase the car's thirst to 9.5l/100 km. In the PureTech 225 version of the DS 4, the petrol engine is not supported by any electrification and the vehicle scores just 3.5 out of 10 points in the Energy Efficiency Index.



Greenhouse gases

CO₂

N₂O

CH₄

3.1/10 Cold Test



2.9/10 Warm Test



0.0/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing



n.a.



good



adequate



marginal



weak



poor

Comments

The Greenhouse Gas (GHG) Index is based on a Well-to-Wheel+ approach, meaning that the greenhouse gas emissions related to the supply of energy are added to the tailpipe emissions. Due to its high fuel consumption figures, the DS 4 scores poorly also in the GHG index. In the standard WLTC+ lab tests, the car emits about 150 g CO₂/km at its tailpipe and additional 39 g CO₂-eq./km from fuel supply are added. The total value for the Highway Test is 252.8 g CO₂-eq./km, which is above Green NCAPs upper threshold of 225 g CO₂-eq./km. Methane and laughing gas (N₂O) are emitted in insignificant levels.

Our Verdict

The DS 4 enters the test with a powerful 165 kW petrol engine. The car respects the Euro 6 exhaust norm and performs as type approved, with CO₂ emissions of about 150 g/km in the laboratory WLTC+ tests, but it doesn't qualify for the additional robustness testing. The Highway Test imposes a challenge for the environmental performance of the DS 4 in all three categories. Here, the vehicle is not able to score any points for Clean Air or Greenhouse Gases and only 1.5 points for Energy Efficiency. The exhaust aftertreatment lacks robustness and fuel consumption is relatively high. This brings the overall rating down significantly to just 1½ Green stars out of 5 with a Weighted Overall Index of 2.9 out of 10.

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Specifications

Publication Date	Tested Car	Tyres	Emissions Class
11 2022	VR1F45GGTM102,xxx	205/55 R19	Euro 6d AP
Mass	Engine Size	Power/Torque	Declared CO ₂
1,438 kg	1,598 cc	165 kW/300 Nm	150 g/km
Declared Battery Capacity	Declared Driving Range	Declared Consumption	
n.a.	n.a.	6.6l/100 km	



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