



2021

MINI Cooper

Steptronic petrol 4x2 automatic



4.2 
/10

Clean Air
Index

4.6 
/10

Energy Efficiency
Index

3.8 
/10

Greenhouse Gas
Index



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
3.6/10 Cold Test					
3.1/10 Warm Test					
1.3/10 Cold Ambient Test					
0.0/10 Highway					



Road Test

6.6/10 On-Road Drive					
5.4/8 On-Road Heavy Load					
3.6/5 On-Road Light Load					
4.5/5 On-Road Short Trip					
2.0/2 Congestion					



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

Control of NO_x is generally good, both in the laboratory tests and on the road. The car has a gasoline particulate filter and particulate number is not excessive in any of the tests. However, emissions of ammonia, NH₃, a pollutant that is unregulated by legislation, are high and points are lost in the laboratory tests leading to an index of 4.2 in this part of the assessment.

Energy Efficiency Tests



Laboratory Test

Energy

5.8/10 Cold Test



5.5/10 Warm Test



3.8/10 Cold Ambient Test



3.6/10 Highway



Consumption

Driving Range

Average

7.0 l/100 km

640 km

Worst-case

7.9 l/100 km

513 km



n.a.



good



adequate



marginal



weak
















poor

Comments

Given the car's low weight, energy efficiency is not as good as might be expected, with an average fuel consumption of 7.0 l/100 km.

3.8 Greenhouse Gases Tests

/10

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
3.3/7	Cold Test			
3.3/7	Warm Test			
2.6/7	Cold Ambient Test			
1.7/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


The CO₂ value recorded in the cold and warm tests are extremely close to the declared value of 145 g/km. In the more challenging tests, emissions of CO₂ are elevated and, in these tests, points are scored only for the good control of N₂O and CH₄ that the car demonstrates.

Our Verdict

The MINI, manufactured by BMW since 2001 and available in many guises, is tested here in its latest form and with the 3 cylinder turbocharged 1.5 litre petrol engine. The car has a gasoline particulate filter (GPF) and a three-way catalyst and, on the whole, these work well to curb pollutant emissions. NO_x is especially well controlled in all tests and the GPF helps to keep particulate number down. Ammonia, NH₃, is the weak point and in the high-load highway test emissions of this unregulated greenhouse gas are high enough to negate the positive scores gained for the good control of other pollutants. Energy efficiency is unexceptional. N₂O and CH₄ are well controlled but emissions of CO₂ result in modest scores in the tests. Overall, the car's indexes are consistent in all three areas of assessment and lead to a 2½ star rating.

Disclaimer

Publication Date 02 2021	Tested Car WMWXR32080TR9xxx	Emissions Class Euro 6d-Temp	Tyres 205/45 R17 88 W
Mass 1,060 kg	Engine Size 1,499 cc	Engine Power/Torque 100 kW/242 Nm	Published CO ₂ 145 g/km
Declared Battery Capacity n.a.	Published Driving Range n.a.		

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