



2021

BMW 1 Series

118i petrol 4x2 manual



4.5 
/10

Clean Air
Index

5.6 
/10

Energy Efficiency
Index

4.7 
/10

Greenhouse Gas
Index

4.5
/10



Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
3.0/10 Cold Test	●	●	●	●	●
3.8/10 Warm Test	●	●	●	●	●
2.3/10 Cold Ambient Test	●	●	●	●	●
5.8/10 Highway	●	●	●	●	●



Road Test

6.8/10 On-Road Drive	●	●	●	●	●
0.0/8 On-Road Heavy Load	●	●	●	●	●
3.6/5 On-Road Light Load	●	●	●	●	●
4.7/5 On-Road Short Trip	●	●	●	●	●
2.0/2 Congestion	●	●	●	●	●



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

The 118i is equipped with a three-way catalyst and a gasoline particulate filter. This exhaust after-treatment is sufficient to exercise generally good control on pollutant emissions, or at least those that are regulated by legislation. Values of these are not excessive except for carbon monoxide in the heavy-load road test. However, emissions of ammonia, NH₃, are high in the laboratory and this reduces the score in these tests and, ultimately, limits the index to a value of 4.5.

Energy Efficiency Tests



Laboratory Test

Energy

5.9/10 Cold Test



6.3/10 Warm Test



4.8/10 Cold Ambient Test



5.7/10 Highway



Consumption

Driving Range

Average

6.3 l/100 km

830 km

Worst-case

7.1 l/100 km

738 km



n.a.



good



adequate



marginal



weak



poor














Comments

It is in this part of the assessment that the BMW scores best, with an average fuel consumption of 6.3 l/100 km and a worst-case of 7.1 l/100 km in the cold ambient temperature test.

4.7

/10

Greenhouse Gases Tests

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
3.3/7	Cold Test			
3.7/7	Warm Test			
3.0/7	Cold Ambient Test			
3.5/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


The 118i shows good control of all greenhouse gases. Emissions of all gases, including those not regulated by legislation, are not excessive in any of the lab tests.

Our Verdict

The BMW 118i has a three-cylinder turbocharged 1.5 litre engine, with direct fuel injection. Such an arrangement might in the past have resulted in high particulate emissions but the gasoline particulate filter takes care of such matters in the BMW. The car scores well in the Clean Air Index but is let down by emissions of ammonia, NH₃. This pollutant is not regulated by legislation but in Green NCAP's tests it limits the car's scores. Energy efficiency is where the BMW scores best, with an index value of 5.6. Control of greenhouse gases is also good and the index of 4.7 gives an average just below what is needed for three stars. As it is, the BMW 118i emerges from Green NCAP's tests with a very creditable 2½ star rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	WBA7K310007E9xxxx	Euro 6d-Temp	205/55 R16
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,306 kg	1,400 cc	103 kW/220 Nm	136 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

Sponsored by 



Think before you print