



Mercedes-Benz



2021

Mercedes-Benz A-Class

A180d diesel 4x2 automatic



4.4 
/10

Clean Air
Index

6.2 
/10

Energy Efficiency
Index

3.0 
/10

Greenhouse Gas
Index



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
6.3/10 Cold Test	●	●	●	●	●
7.1/10 Warm Test	●	●	●	●	●
0.0/10 Cold Ambient Test	●	●	●	●	●
0.0/10 Highway	●	●	●	●	●



Road Test

5.4/10 On-Road Drive	●	●	●	●	●
5.3/8 On-Road Heavy Load	●	●	●	●	●
3.3/5 On-Road Light Load	●	●	●	●	●
3.7/5 On-Road Short Trip	●	●	●	●	●
0.0/2 Congestion	●	●	●	●	●



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

In most of the tests, NO_x is well controlled. However, in the more challenging tests such as the cold ambient temperature and high-load highway scenarios, emissions of this pollutant are sufficiently high that the car loses all points for those tests and this reduces the index in this part of the assessment to 4.4.

Energy Efficiency Tests



Laboratory Test

Energy

7.1/10 Cold Test



7.7/10 Warm Test



5.3/10 Cold Ambient Test



5.1/10 Highway



Consumption

Driving Range

Average

5.1 l/100 km

1,049 km

Worst-case

6.1 l/100 km

839 km



n.a.



good



adequate



marginal



weak



poor

Comments

The A180d scores well in this part of the assessment, with an average fuel consumption of 5.1 l/100 km and an index of 6.2.



Greenhouse gases

CO₂

N₂O

CH₄

2.2/7 Cold Test



2.4/7 Warm Test



1.9/7 Cold Ambient Test



2.0/7 Highway



n.a.



good



adequate



marginal



weak



poor

Comments


Emissions of CO₂ are never excessive and those of Methane, CH₄, are very small. However, laughing gas, N₂O, a powerful but unregulated greenhouse gas, is not so well controlled and points are lost for emissions of this gas.

Our Verdict

The original A-Class came to the market in 1997 and, now in its fourth generation, remains part of Mercedes-Benz's line-up. The car tested by Green NCAP is the 180d, with Daimler's 1.5 litre, turbocharged four cylinder diesel engine. Energy efficiency is a strong point for the car, with low fuel consumption for a car of its weight. For pollutant emissions, the car has selective catalyst reduction, a three-way catalyst and a diesel particulate filter. On the whole, these work well and emissions of pollutants and greenhouse gases are well controlled. Oxides of Nitrogen are the only weak point: in the Clean Air index, NO_x is elevated in the more challenging tests and emissions of N₂O, a powerful greenhouse gas, reduce the score in that part of the assessment. The indexes in these two areas of assessment reduce the average and result in an overall 2½ star rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	WDD1770032V00xxxx	Euro 6d-Temp	205/55R17
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,405 kg	1,461 cc	85 kW/260 Nm	125 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

Sponsored by  GVI



Think before you print