



Mercedes-Benz



2022

Mercedes-Benz T-Class

T180 96kW petrol FWD automatic



7.6
/10 

Clean Air
Index

3.3
/10 

Energy Efficiency
Index

1.7
/10 

Greenhouse Gas
Index



Laboratory Test

7.2/10 Cold Test



8.8/10 Warm Test



6.8/10 Highway



Cold Ambient Test

Does not qualify for additional robustness testing



Road Test

8.0/10 On-Road Drive



3.3/5 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

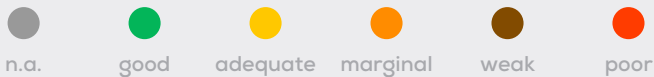
Comments

The Mercedes-Benz T-Class demonstrates solid aftertreatment performance, especially in the Warm Lab Test and real-world On-Road Drive. The vehicle copes very well with particle emissions and has robust control over the standard pollutants like NO_x and CO. Ammonia (NH₃) is currently not regulated by law and usually presents a challenge for petrol cars, but the T-Class manages to keep it well below Green NCAP's stringent threshold. The Highway Test also delivers creditable results, although there is some room for further improvement of particle control.

Energy Efficiency Tests

	Laboratory Test	Energy
4.4/10	Cold Test	
4.3/10	Warm Test	
1.5/10	Highway	
	Cold Ambient Test	Does not qualify for additional robustness testing

	Consumption	Driving Range
Average	7.7 l/100 km	718 km
Worst-case	9.2 l/100 km	586 km



Comments

The body of utility vehicles often have poorer aerodynamic properties, which leads to higher energy consumption. The T-Class is no exception, requiring almost 7 l/100 km in the Cold and Warm Laboratory Tests. In the challenging Highway Test, the car consumes more than 9 l/100 km. The real-world test was completed with 6.5 l/100 km. The result is an overall rating of only 3.3 out of 10 possible points and, while it is typical for this type of petrol engined vehicle, it does not help reach a high overall rating.



Greenhouse gases

CO₂

N₂O

CH₄

2.7/10 Cold Test



2.6/10 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 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 test vehicle emits about 155 g CO₂/km in the WLTC+ tests and 208 g CO₂/km in the BAB130 Highway Test. With upstream emissions on top, this leads to zero points in highway driving and an overall score of just 1.7 out of 10 for greenhouse gases. On the positive side, the emissions of N₂O and CH₄ are barely measurable and again proof of an excellent exhaust aftertreatment.

Our Verdict

August 2023: The result of this car has been updated. Previously reported Ammonia (NH₃) values were incorrect owing to a technical error with the equipment at the test laboratory and a correction has been applied.

Tested here is the Mercedes-Benz T-Class with a 1.3 l, 96 kW petrol engine. The engine comes from Renault and can be found in the Kangoo, which was tested by Green NCAP in June 2022. The T-Class is a multipurpose utility vehicle and its body is comparable to the VW Caddy and the Kangoo, both of which lost points in the Energy Efficiency Index due to relatively high fuel consumption. In general, around 7 l/100 km can be expected, which matches well with the declared figure. On the Highway, the number rises above 9 l/100 km, but for a standard real-world trip, around 6.5 l/100 km should be sufficient. Closely related to the consumption is the amount of emitted CO₂ and here T-Class receives only 1.7 points, despite the bonus points granted for excellent methane and laughing gas control. The strong point of the car is the Clean Air Index, where it demonstrates high performance to reduce its polluting gases. The results are creditable, with minor deductions for particles and ammonia emissions. Thanks to that index, the Mercedes-Benz T180 comes out with a Weighted Overall Index of 4.2 and 2½ Green stars.

Disclaimer

Specifications

Publication Date 12 2022	Tested Car W1V4208631U31xxxx	Tyres 205/55 R17	Emissions Class Euro 6d AP
Mass 1,580 kg	Engine Size 1,332 cc	Power/Torque 96 kW/240 Nm	Declared CO ₂ 155 g/km
Declared Battery Capacity n.a.	Declared Driving Range n.a.	Declared Consumption 6.8 l/100 km	



Think before you print