



MAZDA



2021

MAZDA CX-30

Skyactiv-X 180 petrol 4x2 manual



4.6 
/10

Clean Air
Index

4.7 
/10

Energy Efficiency
Index

4.0 
/10

Greenhouse Gas
Index

4.6
/10



Clean Air Tests



Laboratory Test

	NMHC	NO _x	NH ₃	CO	PN
5.4/10 Cold Test	●	●	●	●	●
6.6/10 Warm Test	●	●	●	●	●
3.4/10 Cold Ambient Test	●	●	●	●	●
0.0/10 Highway	●	●	●	●	●



Road Test

6.1/10 On-Road Drive	●	●	●	●	●
4.0/8 On-Road Heavy Load	●	●	●	●	●
2.2/5 On-Road Light Load	●	●	●	●	●
4.3/5 On-Road Short Trip	●	●	●	●	●
1.0/2 Congestion	●	●	●	●	●



Robustness



n.a.



good



adequate



marginal



weak



poor

Comments

In general, control of pollutant emissions is good. A three-way catalyst, exhaust gas recirculation and a gasoline particulate filter all help to keep emissions down. However, in the high-load highway test, values of CO are extremely high and the vehicle loses all points for this test.

Energy Efficiency Tests



Laboratory Test

Energy

5.5/10 Cold Test



5.9/10 Warm Test



4.7/10 Cold Ambient Test



3.0/10 Highway



Consumption

Driving Range

Average

7.1 l/100 km

801 km

Worst-case

8.3 l/100 km

713 km



n.a.



good



adequate



marginal



weak
















poor

Comments

The CX-30 scored an index of 4.7 in this part of the assessment, with an average fuel consumption of 7.1 l/100 km and a worst-case of 8.3 l/100 km in the high-load highway test.

Greenhouse Gases Tests

	<u>Greenhouse gases</u>	CO ₂	N ₂ O	CH ₄
3.2/7	Cold Test			
3.5/7	Warm Test			
2.8/7	Cold Ambient Test			
1.9/7	Highway			



n.a.



good



adequate



marginal



weak



poor

Comments


Emissions of the unregulated pollutants ammonia, NH₃, and Methane, CH₄, are well controlled. CO₂ is slightly elevated in the high-load highway test but, otherwise, is not excessive.

Our Verdict

The CX-30 180 petrol employs Mazda's Skyactiv-X technology, with a very high compression ratio and lean fuel mixture to try to reduce emissions. This is combined with a 24 V mild-hybrid system to improve fuel efficiency. Together with the exhaust after-treatment - three-way catalyst, exhaust gas recirculation and a gasoline particulate filter - the car shows generally low values of pollutant emissions. The weakness is at high engine loads where values of carbon monoxide and carbon dioxide become elevated. This limits the scores in the Clean Air and Greenhouse Gas indexes. Overall, the CX-30 scores similarly across the three areas of assessment and emerges with a solid 2½ star rating.

Disclaimer

Publication Date	Tested Car	Emissions Class	Tyres
02 2021	JMZDM6WH60010xxxx	Euro 6d	215/55 R18
Mass	Engine Size	Engine Power/Torque	Published CO ₂
1,467 kg	1,998 cc	132 kW/224 Nm	133 g/km
Declared Battery Capacity	Published Driving Range		
n.a.	n.a.		

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