

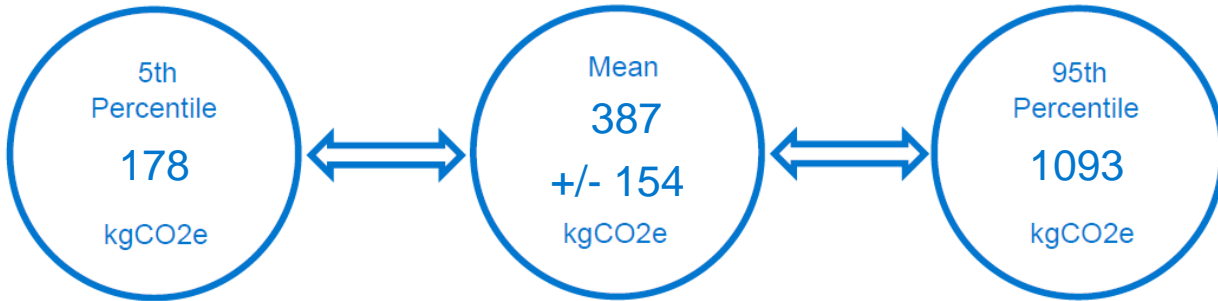
DELL Technologies

Product Carbon Footprint Inspiron 27 7730 All-in-One

Report Produced February 2024

At Dell Technologies we are working to reduce the environmental impact of our products. We look at every part of the product's lifecycle, from materials, manufacturing, and shipping to use and end-of-life management after it leaves our doors.

To calculate this Dell Technologies uses PAIA (Product Attribute to Impact Algorithm) to perform product carbon footprints. PAIA is a streamlined Life-Cycle Assessment (LCA) tool developed by [MIT's Materials System Laboratory](#). It takes into consideration important attributes of the product which can be correlated to activities in order to calculate the product carbon footprint.

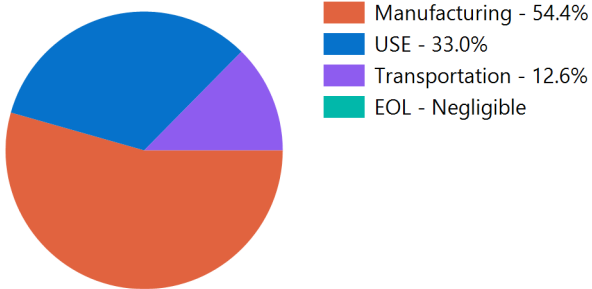


Carbon footprint calculations have a wide range based on a variety of factors including how the device is configured, where it was manufactured and more. Dell Technologies reports the 5th and 95th percentile of the carbon footprint estimate to reflect that uncertainty. For this product, that estimate has a mean of 387 kg of CO2e and standard deviation of 154 kg of CO2e.

Assumptions for calculating product carbon footprint:

Product Weight	6.79 kg	Screen Size	27	Assembly Location	CN
Product Lifetime	4 years	Use Location	EU	Energy Demand (Yearly TEC)	64.81 kWh

ESTIMATED IMPACT BY LIFECYCLE STAGE



MANUFACTURING ESTIMATED IMPACT

Manufacturing Total	54.4%
Display	24.4%
Mainboard (and other boards)	17.6%
Power Supply Unit(s)	4.4%
Chassis	3.1%
Packaging	1.9%
Solid State Drive(s)	1.7%
Battery	1.2%
Hard Drive(s)	Negligible
Optical Drive(s)	Negligible

*Rounding can lead to deviations

Learn more about what Dell is doing to reduce our impact at Dell.com/Sustainability

Disclaimer: This PCF was calculated using the PAIA model, version 1.4.0, copyright by the ICT Benchmarking collaboration, which includes the Massachusetts Institute of Technology's Materials Systems Laboratory and partners. Results shown here are subject to change as the tool is updated.

The Desktop and Notebook products considers US EPA's Energy Star Typical Energy Consumption (TEC) methodology and for Monitors it's in accordance of Energy Related Products (ErP) Directive 2009/125/EC and International common formula for calculating appliances.