DELLTechnologies

Product Carbon Footprint
Inspiron 24 5430 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.

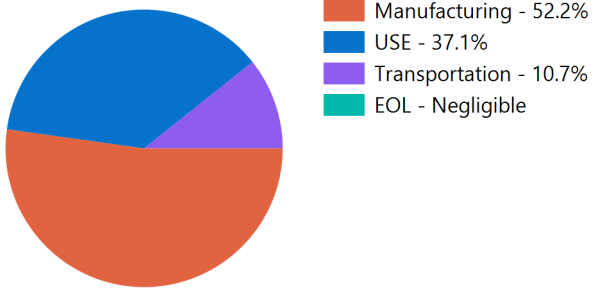| 5th Percentile	Mean	95th Percentile
156	330 +/- 97	740
kgCO2e	kgCO2e	kgCO2e

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 330 kg of CO2e and standard deviation of 97 kg of CO2e.

Assumptions for calculating product carbon footprint:

Product Weight	5.29 kg	Screen Size	24	Assembly Location	CN
Product Lifetime	4 years	Use Location	EU	Energy Demand (Yearly TEC)	62.21 kWh

ESTIMATED IMPACT BY LIFECYCLE STAGE

- Manufacturing - 52.2%
- USE - 37.1%
- Transportation - 10.7%
- EOL - Negligible

MANUFACTURING ESTIMATED IMPACT

Manufacturing Total	**52.2%**
Mainboard (and other boards)	20.8%
Display	17.8%
Power Supply Unit(s)	5.2%
Chassis	3.7%
Solid State Drive(s)	2.0%
Battery	1.4%
Packaging	1.3%
Optical Drive(s)	Negligible
Hard Drive(s)	Negligible

*Rounding can lead to deviations

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