



PowerEdge R7515

Report produced January 2022

From design to end-of-life and everything in between, we work to improve the environmental impact of the products you purchase. As part of that process, we estimate the specific impacts throughout the lifecycle. This includes the contributions from materials, manufacturing, distribution, use and end-of-life management.



This product's estimated carbon footprint:

3920 kgCO2e +/-*

Estimated impact by lifecycle stage is outlined in the below graph:

*The product carbon footprint data generated in this report was created using the GaBi 10 Software system for life cycle engineering, developed by Sphera Solutions Inc.

To view the full Life Cycle Analysis report click [here](#).

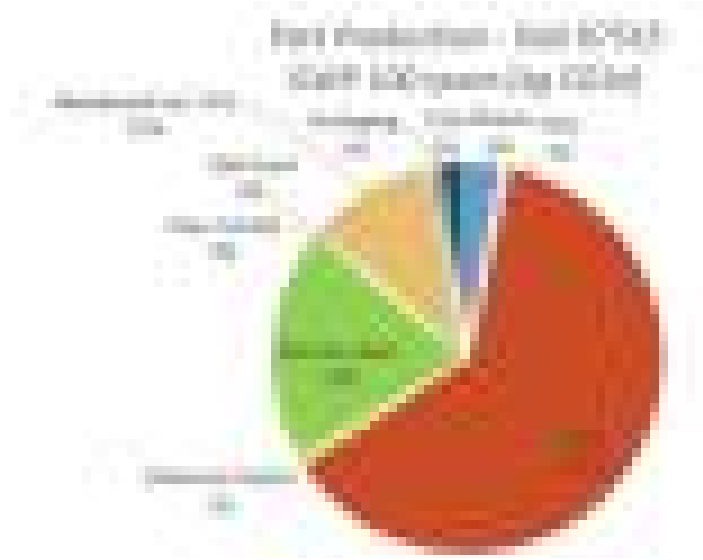
Documentation for all GaBi datasets can be found online (Sphera Solutions Inc., 2020).





PowerEdge R7515

As part of our commitment to transparency, the graph to the right presents the contribution of the different parts to the total impact resulting from the part production (not including assembly).



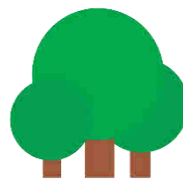
Assumptions for calculating product carbon footprint:

Product Weight	27.3 kg	Server Type	Rack	Assembly Location	EU
Product Lifetime	4 years	Use Location	EU	Energy Demand (Yearly TEC)	Light-Medium: 1660.9 kWh Heavy: 1871.4 kWh
HDD/SSD Quantity	2	DRAM Capacity	8 * 16 GB	CPU Quantity	1

3920 kgCO₂e



1 of these products... has a footprint approx. equivalent to **driving 9,604 miles** in a passenger car.



10 of these products... have a footprint approx. equal to what **46.1 acres of US forests** can absorb in a year.



100 of these products... have a footprint about the same as the annual average carbon footprint of **78 people**.

To help our customers and other stakeholders contextualize product carbon footprint values, we provide these approximate equivalencies. Please remember these are estimates and should not be used for emission inventory or formal carbon footprinting exercises.

Calculations are based on the following methodologies: 2.45 miles driven per 1 kg co₂e (source: [U.S. EPA](#)); approx. 850 kg co₂e absorbed per acre of forests over a year (source: [U.S. EPA](#)); global personal carbon footprint estimated at 5 MTco₂e per person (source: [World Bank](#)).

Disclaimer: This PCF was calculated using the GaBi 10 Software system (2021) for life cycle engineering, developed by Sphera Solutions Inc. Results shown here are subject to change as the Software system is updated.

Est. product carbon footprint, page 2