

Product Carbon Footprint Report

14.0" Laptop PC TECRA A40-M

Dynabook Inc.

Oct. 1st, 2024

Toward the creation of a sustainable resource-recycling society, we visualize the environmental impact of our products through life cycle assessment* in order to efficiently reduce the environmental impact of our products and realize environmentally conscious products.

This document is the Product Carbon Footprint* information for our 14.0" Laptop PC, TECRA A40-M. The calculation of Product Carbon Footprint complies with ISO 14040:2006 and ISO 14044:2006, and the impact category indicator is based on GWP (IPCC 2013 GWP100a).

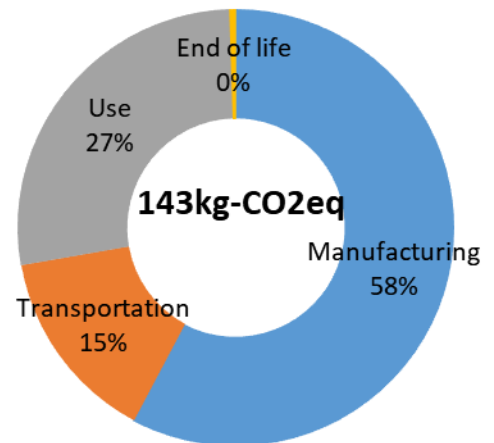
*Life Cycle Assessment: Environmental Impact assessment methodology

*Product Carbon Footprint: Total amount of Greenhouse gas emissions through its life cycle of products.



TECRA A40-M

Product Carbon Footprint TECRA A40-M



Product Carbon Footprint

Estimated value per unit of this product:

143 kg-CO2eq*

	[kg-CO2eq]
Manufacturing	82
Transportation	21
Use	39
End of life	1

* kg-CO2eq is the weight of carbon dioxide equivalent.

Product specification used for calculation

- Model name: TECRA A40-M
- CPU: Intel® Core™ Ultra 7 Processor
- Memory: 8GB
- Screen size: 14.0"
- Weight of product: 1.9 kg
- Weight of packaging: 0.4 kg

*Intel and Intel Core are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Assumption

Manufacturing	<ul style="list-style-type: none"> - Assembly location: China <p>The calculated impact of all components, including packaging materials.</p>
Transportation	<p>All the air, sea or land transportation from Dynabook manufacturing facility in China to each distribution site in the U.S. is included.</p>
Use	<ul style="list-style-type: none"> - Lifetime of product: 5 years - Use location: USA - Use energy consumption: 16.6 kWh/year <p>This value was calculated based on ENERGY STAR*.</p>
End of life	<p>The EOL scenario is assumed in accordance with the statistics those for electronics and packages done by US Environmental Protection Agency.</p> <p>Emissions generated during the mechanical destruction, transport of end of life materials and landfill are included in the calculation.</p>

*ENERGY STAR: ENERGY STAR® Program Requirements Product Specification for Computers Version 8.0. ENERGY STAR is a registered trademark of US-EPA.

Used Software/Database

- Software: LCA for Experts
 - Database: MLC professional, Extension database XI electronics
- *LCA for Experts is a trademark of Sphera Solutions GmbH.

Uncertainty

The estimation of each environmental impact is approximations and can vary widely depending on usage, disposal methods, and other factors. They are also uncertain due to time / technological / geographical limitations of the data used.

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