

Product Carbon Footprint Report

BenQ

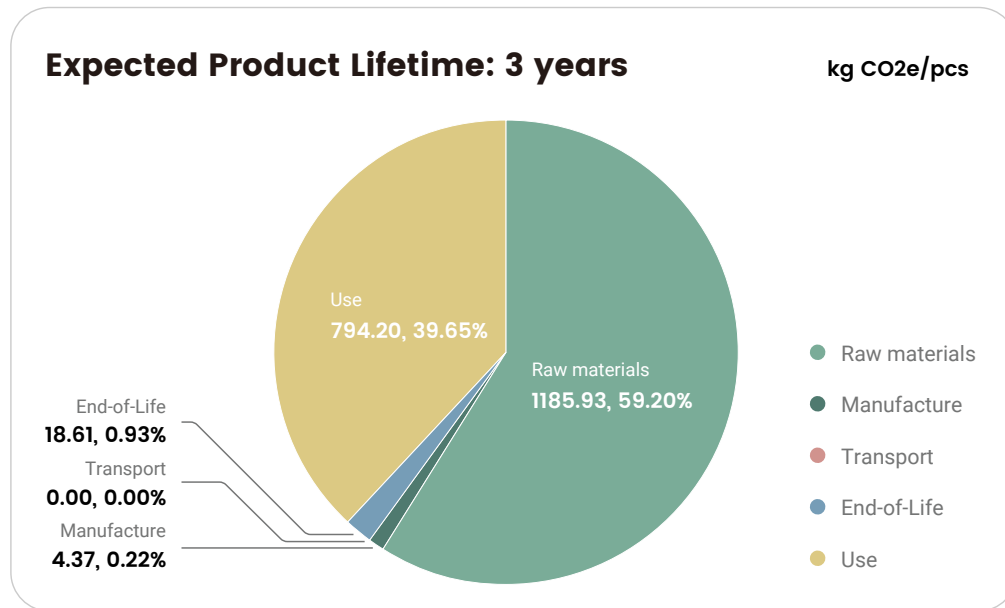
BenQ Board Essential - RE7503A



Estimated carbon footprint
2003.11 kgCO₂e
±5.94%¹

Review Date 2023-08-08
Issue Date 2023-08-20

Life Cycle Detail by Life Stage ²



Category	Element	Input
Product Specifics	Product weight (with packaging)	65.9 kg
	Screen size	75 inches
	Product lifetime	3 years
	Estimated total annual standby and power-on consumption	368.7 kWh
Transport from Assembly to Customer	To country of use: by ship	1 fraction
	In country of use: by truck	1 fraction
End of Life	Waste incineration	15 %
	Material recycling	85 %
Location	Final Assembly in China and use in Global	

The PCF value is calculated using the specific attributes above for assembly, use and transportation mode.

About the data

1 This calculation was based upon a BenQ RE7503A with the assumptions and configuration described in the calculation assumptions in the next page.

This product is based on the PAS2050:2011 & ISO 14067:2018 standard for carbon footprint inventory and calculation. And this product use SimaPro 9.3.0.2 for PCF calculation tool. The lifecycle impact assessment methodology follows the IPCC 100-year Greenhouse Gas Emissions Assessment Method (IPCC 2021 GWP 100a) to calculate the CO₂ emission equivalent of a product from raw material extraction to product disposal (Cradle to Grave).

2 This pie chart provides the percent contribution of the mean value for each element of the analysis for the full life cycle CO₂e impacts of the product. If individual elements displaying 0% are less than 0.1%. Life Cycle Analysis (LCA) can be grouped into five categories which include Raw Material, Manufacture, Transport, Use, and End-of-Life. Below is a brief description of each phase.

Raw Material

This life cycle phase captures emissions generated during the extraction, production, and transport of raw materials.

Manufacture

This life cycle phase captures emissions generated during the manufacture of subassemblies (including the product packaging) and product assembly.

Transport

Emissions included in the distribute phase include all those generated during the air, ocean or land distribute of finished or semi-finished BenQ products between BenQ facilities and from BenQ facilities to customers.

Use

In use energy consumption is calculated in accordance with the U.S. Environmental Protection Agency's Energy Star® Typical Energy Consumption (TEC) methodology. Calculated energy consumption is then used in combination with average emissions factors for the designated country of use to calculate emissions.

End-of-life

The recycle rate is calculated based on the company's own calculated WEEE recycle rate. It is also assumed that the balance of the product waste materials is disposed of by landfill. Emissions generated during the mechanical destruction, separation and transport of end of life materials are included in the calculation.

Disclaimer

All estimates of carbon footprint are uncertain. This information sheet contains a description of the carbon footprint data for this declared product, which is based on estimates of the current state of the product life cycle, but is subject to known or unknown risks or uncertainties, so actual results may be different from the statement.

