



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24160E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

brother
at your side

BROTHER INDUSTRIES, LTD.

Monochrome Laser Printer

HL-L6210DW for Europe



Functional unit

Per unit of product

System boundary

- final products □ intermediate products
- Raw material acquisition - Production - Distribution
- Use & maintenance - End-of-Life

Main specifications of the product

Model name: HL-L6210DW

- Printer (EP method)
- Monochrome
- Printing Speed: 50ppm (A4)
- Maximum document size: A4
- Print/Automatic duplex printing
- Product weight: 12.1kg Packaging etc.: 2.9kg
- Wired/Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.
inml-ecoleaf-jimukyoku@brother.co.jp
<https://global.brother/en>

Registration#	JR-AI-24160E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	7/19/2024
Verification date	6/28/2024
Verification method	System certificaion
Verification#	JV-AI-24160E
Expiration date	6/27/2029
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

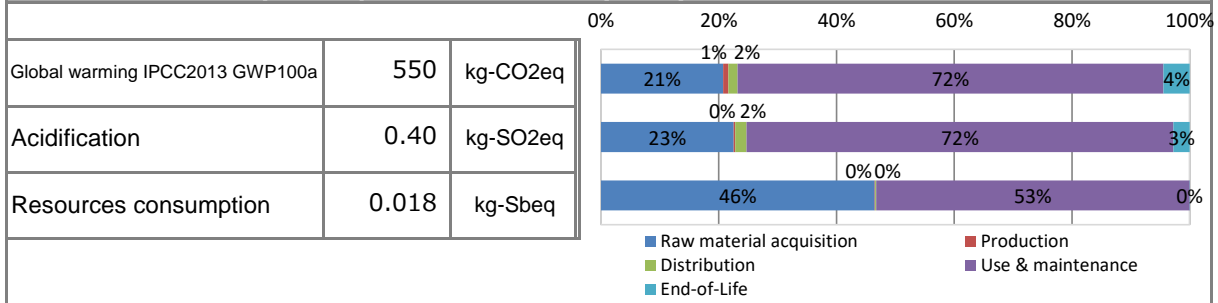
Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

internal external

*Auditor's name is stated if system certification has been performed.

Registration number : JR-AI-24160E

**1. Results of life cycle impact assessment (LCIA)**

Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	5.5E+02	1.2E+02	5.0E+00	8.7E+00	4.0E+02	2.5E+01
Acidification		kg-SO ₂ eq	4.0E-01	9.1E-02	1.1E-03	7.7E-03	2.9E-01	1.1E-02
Resources consumption		kg-Sbeq	1.8E-02	8.6E-03	1.7E-05	3.7E-05	9.8E-03	6.2E-06

2. Life cycle inventory analysis (LCI)

Parameter	Unit	Value
Non-renewable material resources	kg	1.7E+01
Non-renewable energy resources	MJ	8.2E+03
Renewable material resources	kg	8.2E+01
Renewable primary energy	MJ	1.5E+02
Consumption of freshwater	m ³	5.5E-01

3. Material composition

Material	Value	Unit
Steel	2.8E+00	kg
SUS	6.2E-02	kg
Aluminium	1.1E-01	kg
Other metal	0.0E+00	kg
Plastic	7.7E+00	kg
Rubber	1.7E-01	kg
Glass	3.7E-02	kg
Paper and Wood	2.5E+00	kg
Circuit board	6.3E-01	kg
Othres	9.7E-01	kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP method), Expected use period: 5 years, Assumed usage: 374,400 sheets, Print measuring method (pattern): ISO/IEC 19798, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0, This product is for Europe.

6-1. Supplementary environmental information

This product and main components are produced in ISO 14001 certified factories.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO, JLCA data v1.10 are used.

8. Remarks

—

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.
(Reference URL : <https://ecoleaf-label.jp/regulation/>)