



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20118E-A

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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



Mono Laser Workgroup Printer

HL-L6450DW



Functional unit

Per unit of product

System boundary

- final products
- intermediate products

Material - Product - Distribution - Use - Disposition

Main specifications of the product

Model name: HL-L6450DW

- Printer (EP method)
- Black & White
- Product weight: 11.5kg Packaging etc.: 4.4kg
- Printing Speed: 50ppm (A4)
- Automatic duplex printing
- Wireless / wired LAN

* This product is for European Union.

Company Information

Brother Industries, Ltd.

TEL: 81-52-824-2511 (Representative)

FAX: 81-52-824-5177

<https://www.brother.eu/>

Registration#	JR-AI-20118E-A
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	3/31/2021
Verification date	3/24/2021
Verification method	System certificaion
Verification#	JV-AI-20118
Expiration date	3/23/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

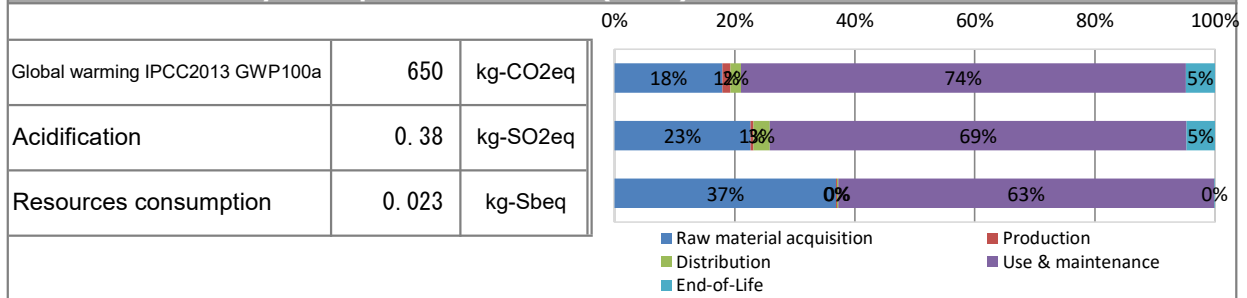
internal external

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

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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	6.5E+02	1.2E+02	8.6E+00	1.2E+01	4.8E+02	3.2E+01
Acidification		kg-SO ₂ eq	3.8E-01	8.6E-02	1.9E-03	1.0E-02	2.7E-01	1.8E-02
Resources consumption		kg-Sbeq	2.3E-02	8.6E-03	3.3E-05	4.9E-05	1.5E-02	2.0E-05

2. Life cycle inventory analysis (LCI)

項目	Value	単位
Non-renewable material resources	2.4E+01	kg
Non-renewable energy resources	2.3E+02	kg
Renewable material resources	9.8E+01	kg
Renewable primary energy	1.9E+02	MJ
Consumption of freshwater	6.5E-01	m ³

3. Material composition

Material	Value	Unit
Steel	3.4E+00	kg
SUS	6.5E-02	kg
Aluminium	6.1E-02	kg
Other metal	0.0E+00	kg
Plastic	8.9E+00	kg
Rubber	2.1E-01	kg
Glass	2.9E-02	kg
Paper and Wood	1.7E+00	kg
Circuit board	5.4E-01	kg
Othres	8.6E-01	kg

4. Waste to disposal

Parameter	Value	Unit
Treated MSW for landfill	0.0E+00	kg
Treated industrial waste for landfill	5.2E+00	kg

*Data derived from LCA and not assigned to the impact categories of LCIA

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 374,400 sheets, Print measuring method (pattern): ISO/IEC 19752, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0.



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6-1. Supplementary environmental information

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

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA data v1.10 are used.

8. Remarks

7/27/2021 Modified freshwater consumption figures on LCI.

- 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/>)

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