



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20061E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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

brother
at your side

BROTHER INDUSTRIES, LTD.

Monochrome Laser Printer
HL-L6400DWX



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-L6400DWX

- Printer (EP method)
- Black & White
- Product weight: 13.3 kg Packaging etc. :2.5kg
- Printing Speed: 50ppm (A4)
- Maximum paper size A4 (maximum 210 x 297 mm)
- Automatic duplex printing
- Wireless / wired LAN

* This product is for North America

Company Information

Brother Industries, Ltd.
 TEL: 81-52-824-2511 (Representative)
 FAX: 81-52-824-5177
<https://www.brother-usa.com/>

Registration#	JR-AI-20061E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	16/7/2020
Verification date	7/7/2020
Verification method	System certificaion
Verification#	JV-AI-20061
Expiration date	7/6/2025
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

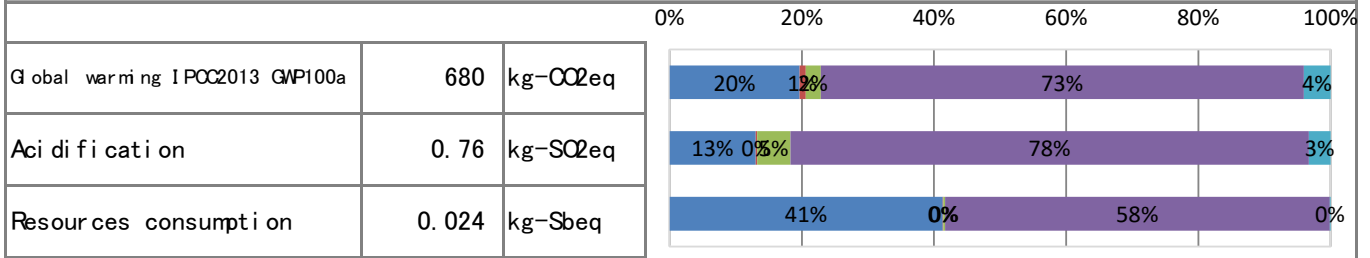
internal external

*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	6.8E+02	1.3E+02	6.5E+00	1.5E+01	5.0E+02	2.7E+01
Acidification		kg-SO ₂ eq	7.6E-01	9.9E-02	1.7E-03	3.8E-02	6.0E-01	2.5E-02
Resources consumption		kg-Sbeq	2.4E-02	9.9E-03	2.2E-05	6.5E-05	1.4E-02	2.3E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	2.3E+01	kg
Non-renewable energy resources	2.4E+02	kg
Renewable material resources	9.4E+01	kg
Renewable primary energy	2.2E+02	MJ
Consumption of freshwater	6.2E-01	m ³

3. Material composition

Material	Value	Unit
Steel	3.1E+00	kg
SUS	2.7E-01	kg
Aluminium	9.4E-02	kg
Other metal	1.2E-03	kg
Plastic	8.9E+00	kg
Rubber	1.9E-01	kg
Glass	2.4E-02	kg
Paper and Wood	1.7E+00	kg
circuit board	9.2E-01	kg
Othres	6.1E-01	kg

5. Additional explanation

- Product destination: North America
- 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 v1.07 are used.

8. Remarks

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- 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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