



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22121E

Japan EPD Program by SuMPO

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 Compact Laser Printer with Wireless
& Ethernet and Duplex Printing

HL-L2379DW for North America



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-L2379DW

- Printer (EP method)
- Monochrome
- Product weight: 7.2kg Packaging etc.: 1.0kg
- Printing Speed: 34ppm (A4)
- Automatic duplex printing
- Wired/Wireless 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-22121E |
| PCR number | PA-590000-AI-04 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 10/19/2022 |
| Verification date | 9/30/2022 |
| Verification method | System certificaion |
| Verification# | JV-AI-22121E |
| Expiration date | 9/29/2027 |
| PCR review was conducted by: | |
| Approval date | 4/1/2022 |
| PCR review panel chair | Masayuki Kanzaki Sustainable Management Promotion Organization |

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

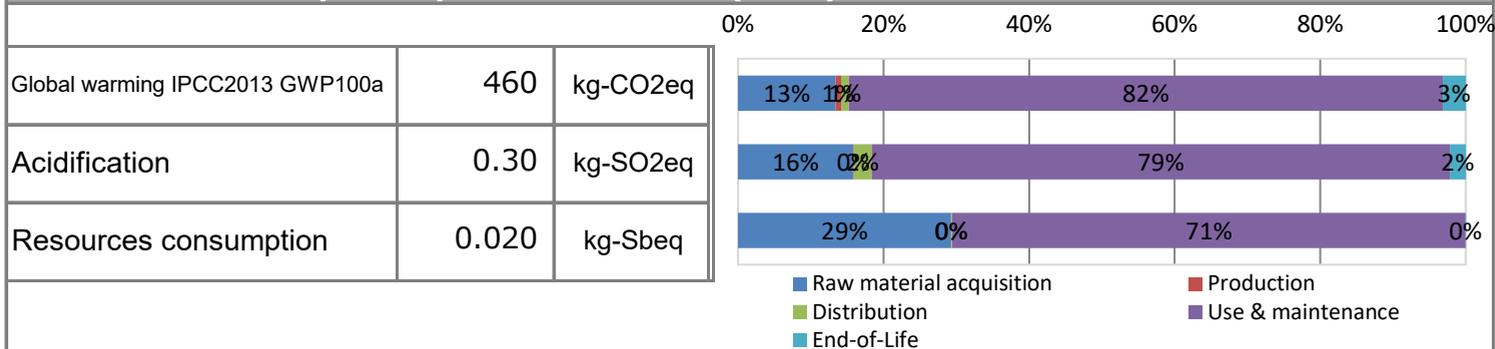
internal external

*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 | 4.6E+02 | 6.2E+01 | 3.6E+00 | 4.8E+00 | 3.8E+02 | 1.5E+01 |
| Acidification | | kg-SO ₂ eq | 3.0E-01 | 4.8E-02 | 2.7E-04 | 7.4E-03 | 2.4E-01 | 6.6E-03 |
| Resources consumption | | kg-Sbeq | 2.0E-02 | 5.8E-03 | 1.2E-05 | 2.0E-05 | 1.4E-02 | 3.4E-06 |

2. Life cycle inventory analysis (LCI)

| 項目 | Unit | 単位 |
|----------------------------------|---------|----------------|
| Non-renewable material resources | 1.9E+01 | kg |
| Non-renewable energy resources | 1.6E+02 | kg |
| Renewable material resources | 4.7E+01 | kg |
| Renewable primary energy | 1.6E+02 | MJ |
| Consumption of freshwater | 5.7E-01 | m ³ |

3. Material composition

| Material | Unit |
|----------------|------------|
| Steel | 1.7E+00 kg |
| SUS | 4.2E-02 kg |
| Aluminium | 7.7E-02 kg |
| Other metal | 0.0E+00 kg |
| Plastic | 4.5E+00 kg |
| Rubber | 1.8E-01 kg |
| Glass | 3.3E-02 kg |
| Paper and Wood | 8.0E-01 kg |
| Circuit board | 2.9E-01 kg |
| Othres | 5.5E-01 kg |

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 172,800 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 North America.

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 Japan EPD Program by SuMPO, JLCA data v1.10 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/>)