



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22182E

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.

Compact Laser Printer with Wireless Networking  
and 2-Sided Printing

**HL-L2325DW** for USA



**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-L2325DW

- Printer (EP method)
- Monochrome
- Product weight: 7.1kg    Packaging etc.: 0.9kg
- Printing Speed: 26ppm (A4)
- Automatic duplex printing
- Wireless LAN

\* This product is for USA.

**Company Information**

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

Registration#	JR-AI-22182E
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-22182E
Expiration date	9/29/2027
<b>PCR review was conducted by:</b>	
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

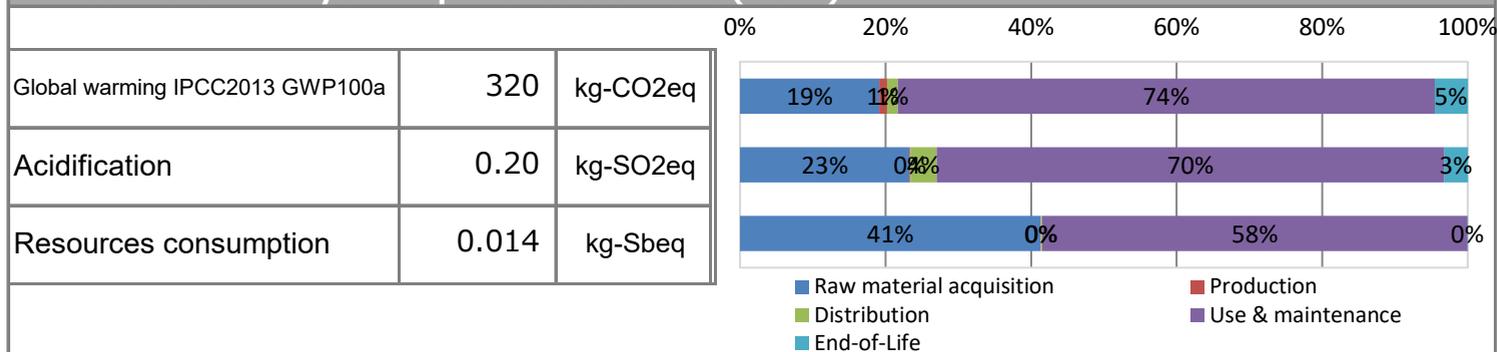
internal       external

\*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 <sub>2</sub> eq	3.2E+02	6.1E+01	3.3E+00	4.7E+00	2.3E+02	1.4E+01
Acidification		kg-SO <sub>2</sub> eq	2.0E-01	4.7E-02	2.4E-04	7.2E-03	1.4E-01	6.5E-03
Resources consumption		kg-Sbeq	1.4E-02	5.8E-03	9.1E-06	2.0E-05	8.2E-03	3.3E-06

**2. Life cycle inventory analysis (LCI)**

項目	Unit	単位
Non-renewable material resources	1.3E+01	kg
Non-renewable energy resources	1.1E+02	kg
Renewable material resources	3.2E+01	kg
Renewable primary energy	1.1E+02	MJ
Consumption of freshwater	3.7E-01	m <sup>3</sup>

**3. Material composition**

Material	Unit
Steel	1.7E+00 kg
SUS	4.2E-02 kg
Aluminium	7.8E-02 kg
Other metal	0.0E+00 kg
Plastic	4.4E+00 kg
Rubber	1.8E-01 kg
Glass	3.3E-02 kg
Paper and Wood	6.5E-01 kg
Circuit board	2.9E-01 kg
Othres	5.6E-01 kg

**5. Additional explanation**

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 101,400 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 USA.

**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/>)