



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23091E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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



Color LED Printer

HL-L3280CDW for North America

BROTHER INDUSTRIES, LTD.



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-L3280CDW

- Printer (EP method)
- Color
- Printing Speed: 27ppm (Color/Monochrome, Letter)
- Maximum document size: A4, Letter
- Print/Automatic duplex printing
- Product weight: 15.4kg, Packaging etc.: 2.6kg
- Wired/Wireless LAN

* This product is for North America.

Company Information

Brother Industries, Ltd.

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

FAX: 81-52-821-5177

<https://www.brother-usa.com/>

Registration#	JR-AI-23091E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	11/15/2023
Verification date	11/1/2023
Verification method	System certificaion
Verification#	JV-AI-23091E
Expiration date	10/31/2028
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

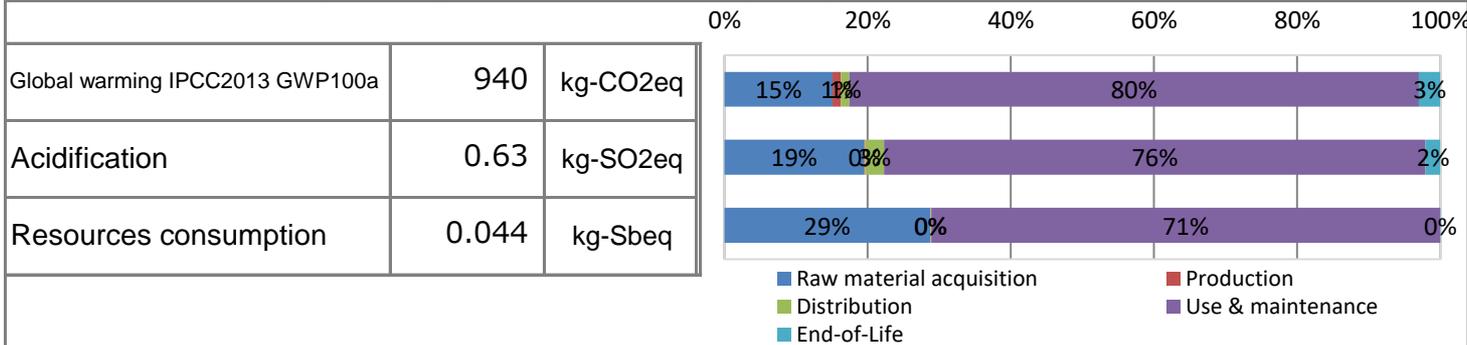
external

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

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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	9.4E+02	1.4E+02	1.1E+01	1.1E+01	7.5E+02	2.8E+01
Acidification		kg-SO ₂ eq	6.3E-01	1.2E-01	1.1E-03	1.6E-02	4.7E-01	1.3E-02
Resources consumption		kg-Sbeq	4.4E-02	1.3E-02	2.5E-05	4.5E-05	3.1E-02	7.3E-06

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	4.6E+01 kg
Non-renewable energy resources	1.3E+04 MJ
Renewable material resources	1.1E+02 kg
Renewable primary energy	3.2E+02 MJ
Consumption of freshwater	9.6E-01 m ³

3. Material composition

Material	Unit
Steel	4.7E+00 kg
SUS	1.9E-01 kg
Aluminium	3.2E-01 kg
Other metal	2.3E-03 kg
Plastic	8.5E+00 kg
Rubber	3.3E-01 kg
Glass	4.3E-02 kg
Paper and Wood	2.1E+00 kg
Circuit board	7.7E-01 kg
Othres	9.4E-01 kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 105,300 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 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/>)