EcoLeaf

Type III Environmental Declaration (EPD)

Registration number： JR-AI-23511E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

brother at your side

BROTHER INDUSTRIES, LTD.

Colour LED Printer

HL-L3240CDW for Europe

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-L3240CDW

- Printer(EP method)
- Colour
- Printing Speed: 26ppm (Monochrome/Colour, A4)
- Maximum paper size ：A4
- Print/Automatic duplex printing
- Product weight: 15.5kg, Packaging etc.: 2.9kg
- Wired/Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.
TEL: 81-52-824-2511 (Representative)
https://www.brother.eu/en

Registration#	JR-AI-23511E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	2/9/2024
Verification date	1/31/2024
Verification method	System certificaion
Verification#	JV-AI-23511E
Expiration date	1/30/2029

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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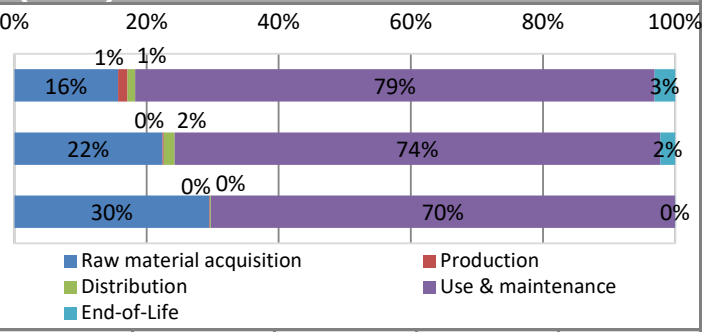
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	930	kg-CO2eq
Acidification	0.58	kg-SO2eq
Resources consumption	0.042	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	9.3E+02	1.5E+02	1.3E+01	1.1E+01	7.3E+02	2.9E+01
Acidification	kg-SO_2eq	5.8E-01	1.3E-01	1.3E-03	9.4E-03	4.3E-01	1.3E-02
Resources consumption	kg-Sbeq	4.2E-02	1.3E-02	3.3E-05	4.5E-05	3.0E-02	7.5E-06

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	4.5E+01	kg
Non-renewable energy resources	1.3E+04	MJ
Renewable material resources	1.1E+02	kg
Renewable primary energy	3.0E+02	MJ
Consumption of freshwater	9.5E-01	m3

3. Material composition

Material		Unit
Steel	4.6E+00	kg
SUS	1.7E-01	kg
Aluminium	4.0E-01	kg
Other metal	2.3E-03	kg
Plastic	8.7E+00	kg
Rubber	3.5E-01	kg
Glass	2.8E-02	kg
Paper and Wood	2.5E+00	kg
Circuit board	7.7E-01	kg
Othres	9.6E-01	kg

5. Additional explanation

Calculation method for usage stage (Scenario) : Printer (EP method), 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 Europe.

6-1. Supplementary environmental information

This product and main compornents 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/)