



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23111E

Japan EPD Program by SuMPO

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



Monochrome Laser Printer HL-L6415DWT 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-L6415DWT

- Printer (EP method)
- Monochrome
- Printing speed: 52ppm (Letter)
- Maximum document size: A4, Letter
- Print/Automatic duplex printing
- Product weight: 17.1kg Packaging etc.: 9.0kg
- 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-23111E
PCR number	PA-590000-AI-07
PCR name	Imaging input and/or output equipment
Publication date	10/11/2023
Verification date	9/26/2023
Verification method	System certificaion
Verification#	JV-AI-23111E
Expiration date	9/25/2028
PCR review was conducted by:	
Approval date	04/24/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

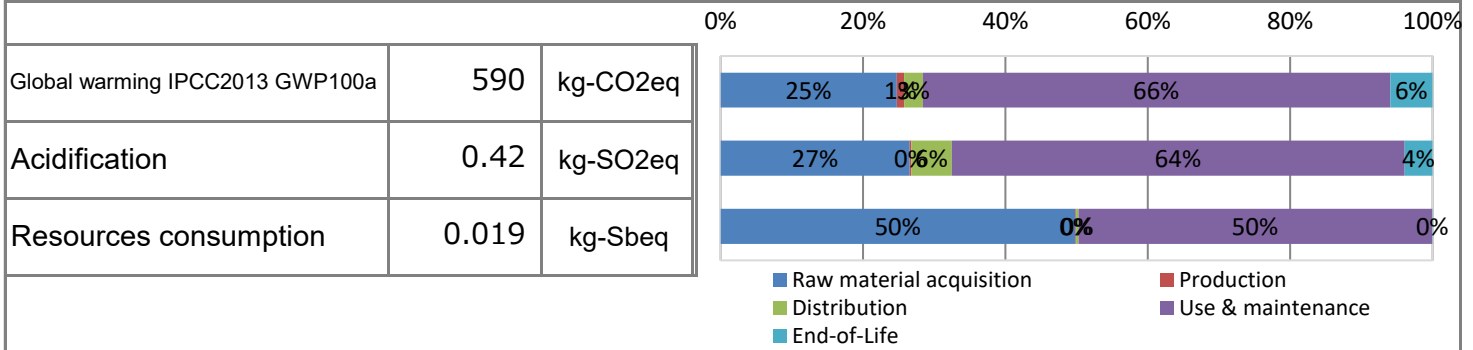
internal external

*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	5.9E+02	1.5E+02	6.2E+00	1.5E+01	3.9E+02	3.5E+01
Acidification		kg-SO ₂ eq	4.2E-01	1.1E-01	1.0E-03	2.4E-02	2.7E-01	1.7E-02
Resources consumption		kg-Sbeq	1.9E-02	9.6E-03	1.9E-05	6.5E-05	9.6E-03	1.1E-05

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	1.8E+01 kg
Non-renewable energy resources	8.9E+03 MJ
Renewable material resources	9.0E+01 kg
Renewable primary energy	2.1E+02 MJ
Consumption of freshwater	5.8E-01 m ³

3. Material composition

Material	Unit
Steel	4.4E+00 kg
SUS	8.3E-02 kg
Aluminium	1.1E-01 kg
Other metal	0.0E+00 kg
Plastic	1.1E+01 kg
Rubber	1.5E-01 kg
Glass	3.9E-02 kg
Paper and Wood	8.7E+00 kg
Circuit board	6.7E-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: 403,200 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 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/>)