



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20062E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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



BROTHER INDUSTRIES, LTD.

## Monochrome Laser All-in-One Printer MFC-L6900DWX



### Functional unit

Per unit of product

### System boundary

■ final products       intermediate products

Material - Product - Distribution - Use - Disposition

### Main specifications of the product

Model name: MFC-L6900WX

- Business Facsimile (EP method)
- Product weight: 19.3 kg    Packaging etc. :3.9kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Maximum document width 215.9mm
- Super G3 compatible up to 33.6kbps (automatic switching)
- Automatic duplex printing
- Wireless / wired 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-20062E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	16/7/2020
Verification date	7/7/2020
Verification method	System certificaion
Verification#	JV-AI-20062
Expiration date	7/6/2025
<b>PCR review was conducted by:</b>	
Approval date	11/ 8/2019
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

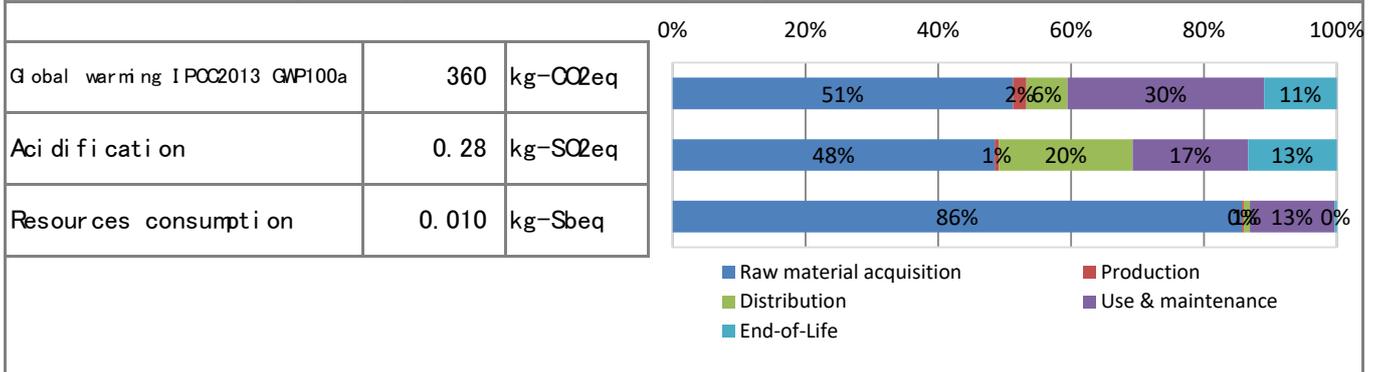
internal       external

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

Registration number : JR-AI-20062E



**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	3.6E+02	1.9E+02	7.3E+00	2.3E+01	1.1E+02	4.0E+01
Acidification		kg-SO <sub>2</sub> eq	2.8E-01	1.4E-01	1.8E-03	5.6E-02	4.8E-02	3.7E-02
Land use(Transformation)		m <sup>2</sup>	1.0E-01	4.9E-02	1.2E-03	3.1E-02	1.8E-02	3.2E-03
Resources consumption		kg-Sbeq	1.0E-02	8.7E-03	2.4E-05	9.5E-05	1.3E-03	3.5E-05

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

Parameter	Value	Unit
Non-renewable material resources	1.4E+01	kg
Non-renewable energy resources	1.3E+02	kg
Renewable material resources	4.6E+01	kg
Renewable primary energy	1.4E+02	MJ
Consumption of freshwater	3.1E-01	m <sup>3</sup>

**3. Material composition**

Material	Value	Unit
Steel	4.1E+00	kg
SUS	7.8E-02	kg
Aluminium	9.4E-02	kg
Other metal	1.2E-03	kg
Plastic	1.3E+01	kg
Rubber	2.5E-01	kg
Glass	9.0E-01	kg
Paper and Wood	2.9E+00	kg
circuit board	1.2E+00	kg
Othres	7.5E-01	kg

**5. Additional explanation**

- Product destination: North America
- Calculation method for usage stage (scenario)
  - Facsimile (business model)
  - Expected use period: 5 years
  - Transmission / reception: 48,000 each
  - Use pattern when measuring power: ITUT No.1 chart
  - Printing paper is not included in the above environmental impact



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20062E

**Ecoleaf Environmental Labeling Program**

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

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

### 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 EcoLeaf Environmental Labeling Program, JLCA data v1.07 are used.

### 8. Remarks

-

- 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/>)

Registration number : JR-AI-20062E