



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23139E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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



BROTHER INDUSTRIES, LTD.

4-in-1 Monochrome Laser Printer

# MFC-L5715DN for EU



## 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: MFC-L5715DN

- Recording method: Monochrome EP method
- Facsimile (business model)
- Maximum Recording size: A4
- Maximum document size: A4
- Super G3
- Product weight: 16.9kg    Packaging etc.: 3.9kg
- Automatic duplex printing
- Wireless LAN

\* This product is for EU.

## Company Information

Brother Industries, Ltd.

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

FAX: 81-52-824-5177

<https://www.brother.eu/en>

Registration#	JR-AI-23139E
PCR number	PA-590000-AI-07
PCR name	Imaging input and/or output equipment
Publication date	9/8/2023
Verification date	9/4/2023
Verification method	System certificaion
Verification#	JV-AI-23139E
Expiration date	9/3/2028
<b>PCR review was conducted by:</b>	
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

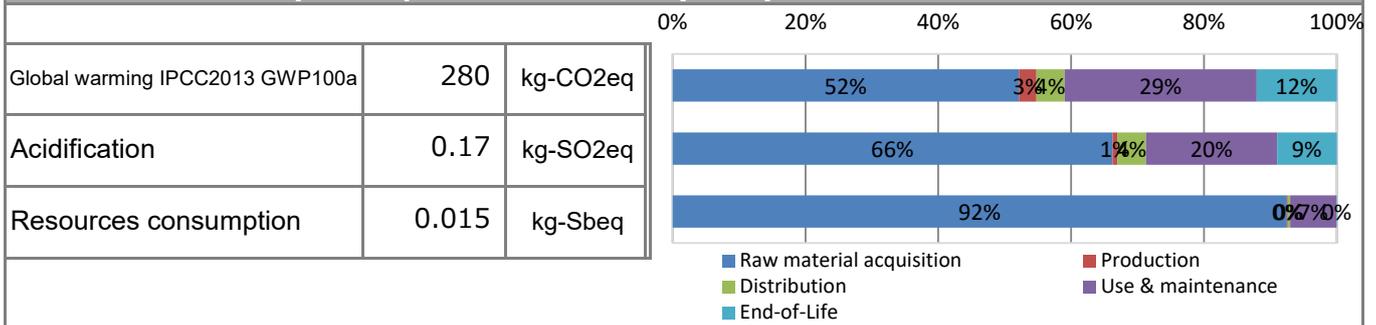
external

\*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 <sub>2</sub> eq	2.8E+02	1.5E+02	7.4E+00	1.2E+01	8.2E+01	3.4E+01
Acidification		kg-SO <sub>2</sub> eq	1.7E-01	1.1E-01	1.3E-03	7.4E-03	3.4E-02	1.5E-02
Resources consumption		kg-Sbeq	1.5E-02	1.4E-02	2.4E-05	5.1E-05	1.1E-03	8.6E-06

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

Parameter	Unit
Non-renewable material resources	1.2E+01 kg
Non-renewable energy resources	4.2E+03 MJ
Renewable material resources	3.8E+01 kg
Renewable primary energy	8.2E+01 MJ
Consumption of freshwater	2.9E-01 m <sup>3</sup>

**3. Material composition**

Material	Unit
Steel	3.6E+00 kg
SUS	6.8E-02 kg
Aluminium	1.1E-01 kg
Other metal	0.0E+00 kg
Plastic	1.1E+01 kg
Rubber	1.7E-01 kg
Glass	7.2E-01 kg
Paper and Wood	3.2E+00 kg
Circuit board	7.2E-01 kg
Othres	1.6E+00 kg

**5. Additional explanation**

Calculation method for usage stage (scenario) : Facsimile (business model), Expected use period: 5 years, Transmission / reception: 48,000 each, Use pattern when measuring power: ITU-T No.1 chart, Printing paper is not included in the environmental impact, This product is for EU.

**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/>)