



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20009E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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

brother
at your side

Compact Color Inkjet All-in-One
MFC-J815DW XL

BROTHER INDUSTRIES, LTD.



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-J815DW XL

- Business Facsimile (Color IJ method)
- Product weight: 8.35 kg Packaging etc. :1.43kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Maximum document width 215.9mm
- G3 compatible up to 14.4kbps (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-20009E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	4/15/2020
Verification date	3/25/2020
Verification method	System certificaion
Verification#	JV-AI-20009
Expiration date	3/24/2025
PCR review was conducted by:	
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

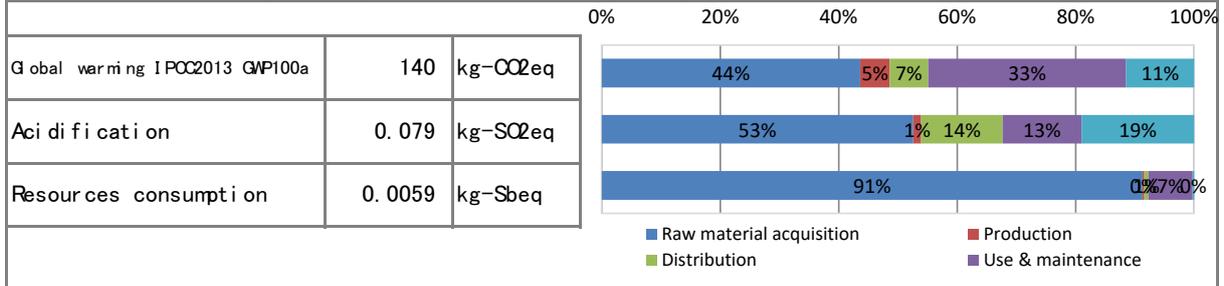
internal external

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

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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	1.4E+02	6.0E+01	6.9E+00	9.0E+00	4.6E+01	1.6E+01
Acidification		kg-SO ₂ eq	7.9E-02	4.2E-02	1.1E-03	1.1E-02	1.1E-02	1.5E-02
Resources consumption		kg-Sbeq	5.9E-03	5.4E-03	1.9E-05	3.8E-05	4.4E-04	1.5E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	5.9E+00	kg
Non-renewable energy resources	4.9E+01	kg
Renewable material resources	1.1E+01	kg
Renewable primary energy	1.2E+02	MJ
Consumption of freshwater	9.8E-02	m ³

3. Material composition

Material	Value	Unit
Steel	1.5E+00	kg
SUS	4.8E-02	kg
Aluminium	2.0E-03	kg
Other metal	2.3E-03	kg
Plastic	5.2E+00	kg
Rubber	1.2E-01	kg
Glass	6.3E-01	kg
Paper and Wood	1.2E+00	kg
Circuit board	2.8E-01	kg
Othres	7.4E-01	kg

5. Additional explanation

- Product destination: North America
- Calculation method for usage stage (scenario)
 - Inkjet business facsimile
 - 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



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(EPD)

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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

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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/>)

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