

**brother**  
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BROTHER INDUSTRIES, LTD.

Inkjet All-in-One Printer

**MFC-J1410DW** 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: MFC-J1410DW
- Multifunction device (IJ method)
  - Product weight: 7.1kg, Packaging etc.: 1.5kg
  - Maximum document size: A4, Letter
  - Print/Copy/Scan/Automatic duplex printing/  
Automatic document feeding
  - Wireless LAN
- \* This product is for North America.

### Company Information

Brother Industries, Ltd.  
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<b>Registration#</b>	JR-AI-25020E
<b>PCR number</b>	PA-590000-AI-08
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	9/5/2025
<b>Verification date</b>	8/20/2025
<b>Verification method</b>	System certificaion
<b>Verification#</b>	JV-AI-25020E
<b>Expiration date</b>	8/19/2030
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	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.

### Results of life cycle impact assessment (LCIA)

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global Warming Potential total (GWP-total)	kg-CO <sub>2</sub> eq	5.6E+01	6.8E+00	7.5E+00	2.7E+01	1.4E+01
Acidification	kg-SO <sub>2</sub> eq	1.5E-01	5.5E-02	1.3E-02	9.0E-02	9.0E-03
ADP elements	kg-Sbeq	3.4E-03	2.9E-06	3.6E-06	3.0E-04	1.4E-06

### Life cycle inventory analysis (LCI)

#### Indicators describing use of primary resources

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
RPR <sub>M</sub>	MJ	8.5E+00	3.1E-02	1.9E-04	1.3E+01	6.0E-04
NRPR <sub>M</sub>	MJ	2.0E+02	2.1E-01	1.1E-02	9.8E+01	1.2E-02
RPR <sub>E</sub>	MJ	1.1E+02	5.3E+01	8.3E+00	7.9E+01	3.1E+00
NRPR <sub>E</sub>	MJ	8.8E+02	7.3E+01	1.1E+02	4.1E+02	2.0E+01

RPRE = renewable primary resources used as an energy carrier (fuel)

RPRM = renewable primary resources with energy content used as material

NRPRE = non-renewable primary resources used as an energy carrier (fuel)

NRPRM = non-renewable primary resources with energy content used as material

### Additional explanation

Calculation method for usage stage (scenario) : Multifunction device(IJ method), Expected use period: 3 years, Assumed usage: 7,200 sheets, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0, This product is for North America.

### Supplementary environmental information

This product and main components are produced in ISO 14001 certified factories.

### Assumptions of secondary data used

Inventory Database: IDEA v3.4, and registered data of Japan EPD Program by SuMPO, JLCA data v1.16 are used.

### 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/>)
- This is a selfdeclared translation of EPD that can be accessed at [<https://ecoleaf-label.jp/epd/2403>] and is published for convenience purposes. Only the original EPD is valid and