



BROTHER INDUSTRIES, LTD.

4-in-1 Inkjet Printer

MFC-J6977DW for Europe



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-J6977DW

Multifunction device (IJ method)

Product weight: 26.1kg Packaging etc.: 6.5kg

Maximum paper size : A3

Print/Copy/Scan/FAX/Automatic duplex printing/

Automatic document feeding

Wired/Wireless LAN

* This product is for Europe.

Registration#	JR-AI-25451E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	3/13/2026
Verification date	2/13/2026
Verification method	System certificaion
Verification#	JV-AI-25451E
Expiration date	2/12/2031

PCR review was conducted by:

Approval date	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.

Company Information

Brother Industries, Ltd.

[inml-ecoleaf-jimukyoku\(at\)brother.co.jp](mailto:inml-ecoleaf-jimukyoku(at)brother.co.jp)

<https://global.brother/en>



Registration number :

SuMPO EPD Type III Environmental Declaration (EPD)

JR-AI-25451E

Japan EPD Program by SuMPO

Sustainable Management Promotion

Organization

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

Tokyo Japan

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

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 ₂ eq	1.38E+02	1.54E+01	1.93E+01	3.52E+00	5.71E+01
Acidification	kg-SO ₂ eq	5.91E-01	1.14E-01	1.27E-02	1.86E-02	3.57E-02
ADP elements	kg-Sbeq	6.10E-02	1.44E-05	3.76E-08	8.04E-05	5.46E-06

Life cycle inventory analysis (LCI)

Indicators describing use of primary resources

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
RPR _E	MJ	4.75E+02	1.24E+02	3.69E-02	5.44E+01	1.19E+01
RPR _M	MJ	3.10E+01	3.25E-02	1.66E-04	1.95E-01	2.44E-03
NRPR _E	MJ	2.66E+03	1.99E+02	2.16E+02	1.10E+02	7.68E+01
NRPR _M	MJ	9.20E+02	8.49E-01	4.17E-04	6.19E+00	4.65E-02

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 Europe.

Supplementary environmental information

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

Material composition

Material		Unit
Steel	5.1E+00	kg
SUS	7.9E-02	kg
Aluminium	1.2E-02	kg
Other metal	8.6E-02	kg
Plastic	1.7E+01	kg
Rubber	7.8E-02	kg
Glass	1.3E+00	kg
Paper and Wood	6.3E+00	kg
Circuit board	1.0E+00	kg
Othres	1.5E+00	kg

Assumptions of secondary data used

Inventory Database: IDEA v3.4 is used.

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/>)
- This is a selfdeclared translation of EPD that can be accessed at <https://ecoleaf-label.jp/epd/2871> and is published for convenience purposes. Only the original EPD is valid and binding between parties.