

Registration number : JR-AI-25378E



4-in-1 Colour Laser Printer

**MFC-EX570** for Europe

BROTHER INDUSTRIES, LTD.



## 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-EX570

Multifunction device (EP method)

Colour

Printing speed: 31ppm (A4)

Maximum document size: A4

Print/Copy/Scan/FAX/Automatic duplex printing/  
ADF (Automatic document feeding)

Product weight: 27.3kg, Packaging etc.: 8.6kg

Wired/Wireless LAN

\* This product is for Europe.

## 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#	JR-AI-25378E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	2/6/2026
Verification date	1/21/2026
Verification method	System certification
Verification#	JV-AI-25378E
Expiration date	1/20/2031
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.

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#### 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	2.07E+02	1.88E+01	2.11E+01	4.28E+02	5.80E+01
Acidification	kg-SO <sub>2</sub> eq	6.34E-01	1.41E-01	1.34E-02	1.67E+00	4.05E-02
ADP elements	kg-Sbeq	5.93E-02	5.40E-05	4.11E-08	2.27E-02	8.28E-06

#### Life cycle inventory analysis (LCI)

##### Indicators describing use of primary resources

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
RPR <sub>E</sub>	MJ	4.97E+02	1.68E+02	4.02E-02	2.46E+03	1.84E+01
RPR <sub>M</sub>	MJ	3.66E+01	8.54E-01	1.82E-04	1.25E+02	3.51E-03
NRPR <sub>E</sub>	MJ	3.51E+03	3.00E+02	2.37E+02	7.69E+03	9.78E+01
NRPR <sub>M</sub>	MJ	7.57E+02	1.90E+00	4.56E-04	1.04E+03	6.03E-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(EP method), Expected use period: 5 years, Assumed usage: 139,500 sheets, Print measuring method (pattern): ISO/IEC 19798, 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 ISO 14001 certified factories.

#### Material composition

Material		Unit
Steel	6.6E+00	kg
SUS	2.1E-01	kg
Aluminium	3.2E-01	kg
Other metal	9.3E-02	kg
Plastic	1.7E+01	kg
Rubber	1.3E-01	kg
Glass	3.7E-01	kg
Paper and Wood	8.5E+00	kg
Circuit board	8.8E-01	kg
Othres	1.6E+00	kg

#### 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/2827> and is published for convenience purposes. Only the original EPD is valid and binding between parties.