BROTHER INDUSTRIES, LTD.

Inkjet All-in-One Printer

MFC-J4555DW 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-J4555DW

Multifunction device (IJ method)

Product weight: 10.4kg　Packaging etc.: 2.3kg

Maximum paper size ：A4, Letter

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

Wired/Wireless LAN

* This product is for North America.

Company Information

Brother Industries, Ltd.
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Registration#	JR-AI-25016E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	8/8/2025
Verification date	7/18/2025
Verification method	System certificaion
Verification#	JV-AI-25016E
Expiration date	7/17/2030

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.

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_2eq	8.82E+01	8.69E+00	1.11E+01	8.29E+00	2.22E+01
Acidification	kg-SO_2eq	2.32E-01	5.90E-02	1.92E-02	2.84E-02	1.38E-02
ADP elements	kg-Sbeq	6.13E-03	1.15E-05	5.29E-06	1.75E-04	2.11E-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	1.72E+02	7.13E+01	1.21E+01	3.64E+01	4.60E+00
RPR_M	MJ	1.37E+01	1.88E-02	2.81E-04	2.45E+00	9.37E-04
$NRPR_E$	MJ	1.38E+03	1.26E+02	1.55E+02	2.01E+02	2.97E+01
$NRPR_M$	MJ	3.13E+02	3.64E-01	1.54E-02	2.28E+01	1.79E-02

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 compornents are produced in our ISO 14001 certified factories.

Material composition

Material		Unit
Steel	1.4E+00	kg
SUS	6.2E-02	kg
Aluminium	1.2E-01	kg
Other metal	4.5E-03	kg
Plastic	6.6E+00	kg
Rubber	5.5E-02	kg
Glass	6.3E-01	kg
Paper and Wood	2.3E+00	kg
Circuit board	5.2E-01	kg
Othres	9.0E-01	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/2375 and is published for convenience purposes. Only the original EPD is valid and binding between parties.