BROTHER INDUSTRIES, LTD.

# Monochrome Laser Printer

# HL-L1242W 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: HL-L1242W

Printer (EP method)

Monochrome

Printing Speed: 20ppm (A4)

Maximum paper size ：A4

Print

Product weight: 4.6kg, Packaging etc.: 1.4kg

Wireless LAN

*This product is for Europe.

## Company Information

Brother Industries, Ltd.

inml-ecoleaf-jimukyoku(at)brother.co.jp

https://global.brother/en

| | |
|---|---|
| Registration# | JR-AI-25029E |
| PCR number | PA-590000-AI-08 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 9/12/2025 |
| Verification date | 8/28/2025 |
| Verification method | System certificaion |
| Verification# | JV-AI-25029E |
| Expiration date | 8/27/2030 |

## PCR review was conducted by:

| | |
|---|---|
| Approval date | 9/1/2023 |
| PCR review panel chair | Masayuki Kanzaki<br>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.

SuMPO EPD JAPAN VERIFIED
Registration number： JR-AI-25029E

# SuMPO EPD
# Type III Environmental Declaration (EPD)

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 | 4.45E+01 | 2.46E+00 | 3.52E+00 | 2.65E+02 | 9.38E+00 |
| Acidification | kg-$SO_2$eq | 1.22E-01 | 2.10E-02 | 2.33E-03 | 1.08E+00 | 6.56E-03 |
| ADP elements | kg-Sbeq | 4.30E-03 | 7.91E-06 | 6.85E-09 | 4.77E-03 | 1.34E-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 | 9.20E+01 | 2.43E+01 | 6.69E-03 | 1.66E+03 | 2.97E+00 |
| $RPR_M$ | MJ | 9.56E+00 | 1.86E-01 | 3.03E-05 | 1.37E+02 | 5.60E-04 |
| $NRPR_E$ | MJ | 7.14E+02 | 3.57E+01 | 3.95E+01 | 4.95E+03 | 1.59E+01 |
| $NRPR_M$ | MJ | 1.25E+02 | 1.19E-01 | 7.60E-05 | 6.36E+02 | 9.67E-03 |

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) : Printer(EP method), Expected use period: 5 years, Assumed usage:60,000 sheets, Print measuring method (Pattern): ISO/IEC 19798, Printing paper is not included in the environmentalimpact, The applied Energy Star program version is 3.0, This product is for Europe.

## Supplementary environmental information

This product and photoconductors are produced in ISO 14001 certified factories.

## Material composition

| Material | | Unit |
|---|---|---|
| Steel | 9.8E-01 | kg |
| SUS | 3.3E-02 | kg |
| Aluminium | 1.5E-01 | kg |
| Other metal | 5.1E-03 | kg |
| Plastic | 2.8E+00 | kg |
| Rubber | 8.8E-03 | kg |
| Glass | 3.9E-04 | kg |
| Paper and Wood | 1.3E+00 | kg |
| Circuit board | 2.4E-01 | kg |
| Othres | 4.6E-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/2423
  and is published for convenience purposes. Only the original EPD is valid and binding between parties.