



BROTHER INDUSTRIES, LTD.

Colour LED Printer

HL-L3220CW 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-L3220CW
 Printer(EP method)
 Colour
 Printing Speed:18ppm (A4)
 Maximum paper size : A4
 Print
 Wireless LAN
 Product weight: 14.6kg, Packaging etc.: 3.1kg
 * This product is for Europe.

Company Information

Brother Industries, Ltd.
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<https://global.brother/en>

Registration#	JR-AI-24420E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	3/26/2025
Verification date	3/14/2025
Verification method	System certificaion
Verification#	JV-AI-24420E
Expiration date	3/13/2030
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

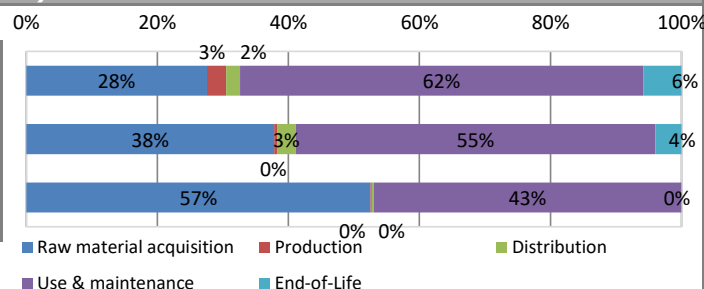
Independent verification of data & declaration in accordance with ISO14025

internal external

*Auditor's name is stated if system certification has been performed.

1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	480	kg-CO ₂ eq
Acidification	0.32	kg-SO ₂ eq
Resources consumption	0.017	kg-Sbeq



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	4.8E+02	1.3E+02	1.4E+01	1.0E+01	3.0E+02	2.8E+01
Acidification		kg-SO ₂ eq	3.2E-01	1.2E-01	1.5E-03	9.1E-03	1.8E-01	1.3E-02
Resources consumption		kg-Sbeq	1.7E-02	9.6E-03	3.5E-05	4.4E-05	7.2E-03	7.3E-06

2. Life cycle inventory analysis (LCI)

Parameter	Unit	Value
Non-renewable material resources	kg	2.0E+01
Non-renewable energy resources	MJ	7.1E+03
Renewable material resources	kg	5.5E+01
Renewable primary energy	MJ	1.7E+02
Consumption of freshwater	m ³	5.4E-01

3. Material composition

Material	Value	Unit
Steel	4.3E+00	kg
SUS	1.5E-01	kg
Aluminium	3.5E-01	kg
Other metal	4.0E-03	kg
Plastic	8.8E+00	kg
Rubber	1.3E-01	kg
Glass	0.0E+00	kg
Paper and Wood	2.5E+00	kg
Circuit board	6.9E-01	kg
Othres	8.5E-01	kg

5. Additional explanation

Calculation method for usage stage (Scenario) : Printer (EP method), Expected use period: 5 years, Assumed usage: 48,600 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.

6-1. Supplementary environmental information

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

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO, JLCA data v1.18 are used.

8. 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/>)