



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24072E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

RICOH COMPANY,LTD

Color Printer (Electrophotography)

RICOH IP C8500



Functional unit

Per product

System boundary

■ final products intermediate products

Raw material acquisition,Production,Distribution,

Use & maintenance,End-of-Life

Main specifications of the product

Product name:RICOH IP C8500

Main specifications:

Color Printer (Electrophotography)

Print Speed : 45 prints/minute (A4)

Maximum Paper Size : 12" x 18"

Included Units in Assessment :

Automatic Duplexing Unit

Company Information

RICOH COMPANY,LTD

Tel:(03) 3777-8111

| | |
|------------------------------|---------------------------------------|
| Registration# | JR-AI-24072E |
| PCR number | PA-590000-AI-08 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 3/29/2024 |
| Verification date | 2/27/2024 |
| Verification method | System certificaion |
| Verification# | JV-AI-24072 |
| Expiration date | 2/26/2029 |
| PCR review was conducted by: | |
| Approval date | 9/1/2023 |
| PCR review panel chair | Masayuki Kanzaki (SuMPO) |

Third party verifier*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

internal

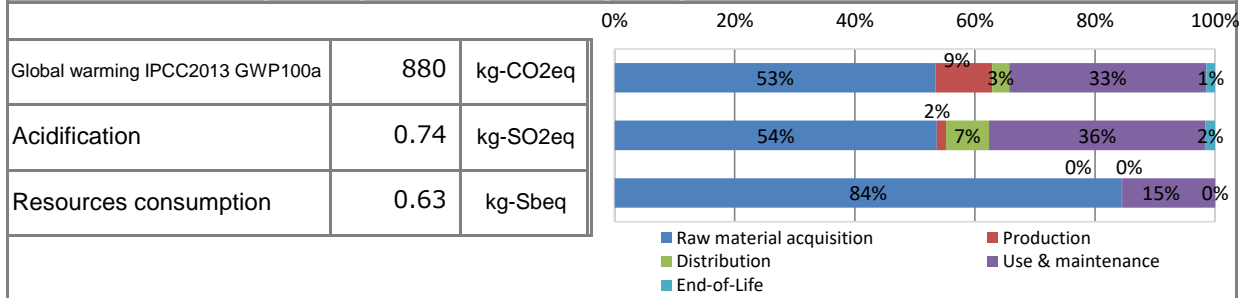
external

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

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1. Results of life cycle impact assessment (LCIA)



| Parameter | stage | Unit | Total | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
|---------------------------------|-----------------------|---------|---------|--------------------------|------------|--------------|-------------------|-------------|
| Global warming IPCC2013 GWP100a | kg-CO ₂ eq | 8.8E+02 | 4.7E+02 | 8.3E+01 | 2.5E+01 | 2.9E+02 | 1.3E+01 | |
| Acidification | kg-SO ₂ eq | 7.4E-01 | 4.0E-01 | 1.1E-02 | 5.3E-02 | 2.7E-01 | 1.2E-02 | |
| Resources consumption | kg-Sbeq | 6.3E-01 | 5.3E-01 | 1.8E-04 | 1.0E-04 | 9.8E-02 | 3.1E-05 | |

2. Life cycle inventory analysis (LCI)

| Parameter | Value | Unit |
|----------------------------------|---------|------|
| Non-renewable material resources | 7.7E+01 | kg |
| Renewable material resources | 9.8E+01 | kg |

3. Material composition

| Material | Value | Unit |
|------------------------|---------|------|
| SUS | 2.0E+00 | kg |
| Aluminum | 1.1E+00 | kg |
| Ordinary steel | 3.6E+01 | kg |
| Other metals | 2.8E+00 | kg |
| Thermoplastic resin | 3.4E+01 | kg |
| Thermosetting resin | 7.9E-01 | kg |
| Glass | 6.1E-01 | kg |
| Rubber | 4.5E-01 | kg |
| Paper | 1.2E+01 | kg |
| Lubricant | 3.1E-03 | kg |
| Mounting circuit board | 1.7E+00 | kg |
| Wood | 4.5E-04 | kg |



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*Data derived from LCA and not assigned to the impact categories of LCIA

5. Additional explanation

Products selected in the scenario used for load calculation

--Printer (EP)

- Product destination: DOM
- Expected usage period: 5 years
- Estimated number of sheets:297,600 sheets ※

※Compatible with International Energy Star Program Ver.3.0

-The load on the image output medium (printing paper) is not included.

6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.3.0. It also complies with the European RoHS Directive. Assembly production of this product and production of the main parts, photoconductor and toner, are carried out at an ISO14001 certified factory.

Certification number:SSCC-061-20-E1-0082-R0-L JQA – E-70001

<https://jp.ricoh.com/sustainability/environment/management/iso>

7. Assumptions of secondary data used

IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO v1.13 are used.

8. 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/>)

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