



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23443E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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

PFU Limited

RICOH

RICOH Image Scanner fi-8820



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 Image Scanner fi-8820
Product Category : Sheet-fed scanner (Without Flat-bed)
For Business

Scanning Speed : Simplex or Duplex, 120 ppm(240 ipm)
Scanning Size : 304.8mm × 431.8mm (12in × 17in)
Scanning Resolutionz : 50~600 dpi (configurable in 1 dpi increments)
*1,200 dpi can be set from the scanner driver

Scanning Method : CIS
*This product is for United States.

Company Information

PFU Limited Imaging Service & Support center

E-mail: scanners@ml.ricoh.com

Registration#	JR-AI-23443E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	1/12/2024
Verification date	11/30/2023
Verification method	Product-by-product
Verification#	JV-AI-23443
Expiration date	11/29/2028

PCR review was conducted by:

Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Yumiko Umehara

Independent verification of data & declaration in accordance with ISO14025

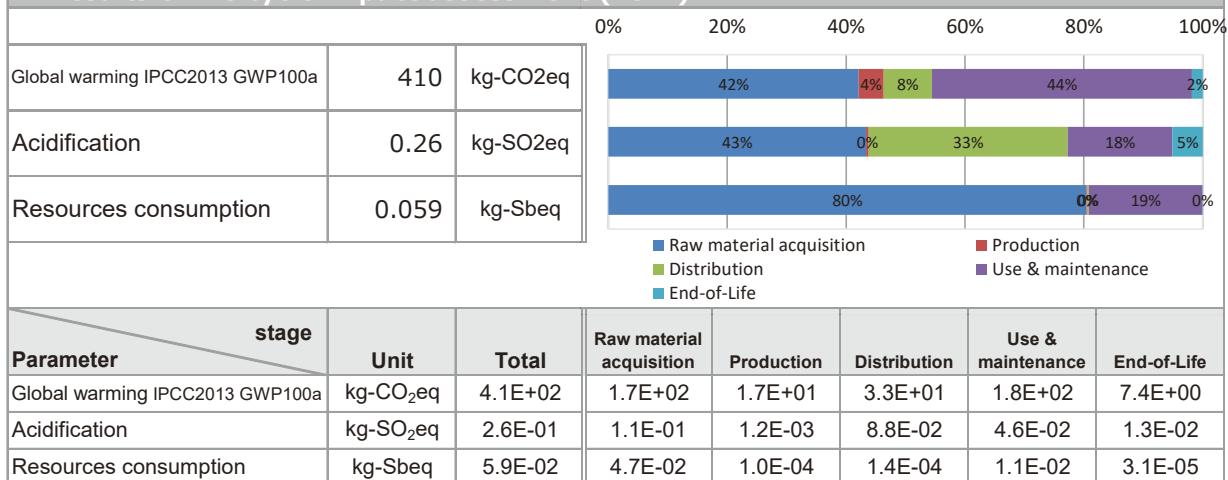
internal external

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

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1. Results of life cycle impact assessment (LCIA)



2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	2.1E+01	kg
Renewable material resources	3.4E+01	kg

3. Material composition

Material	Value	Unit
Ordinary steel	9.82E+00	kg
SUS	1.77E+00	kg
Aluminum	1.26E-03	kg
Other metals	4.34E-02	kg
Plastic	6.28E+00	kg
Rubber	1.04E-01	kg
Glass	1.04E-01	kg
Paper and Wood	2.75E-03	kg
Circuit Board	4.46E-01	kg
Others	3.63E+00	kg



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5. Additional explanation

Product selected for the scenario used for load calculation - Sheet-fed scanner

Product Destination: United States

Calculation method for the use phase

- Scans per day: 20,000 sheets/day (5 scans/day)
- Workdays per month: 20 days/month
- Working days per year: 240 days/year
- Expected usage period: 5 years
- Total scans: 6000 times (24,000,000 sheets)/5 years

Printing paper is not included in the environmental impact

6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.3.2.

It also complies with the European RoHS Directive.

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Inventory Database: IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA datav1.10 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/>)

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