



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20123E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

https://ecoleaf-label.jp/

Black and White Printer (Electrophotography)

RICOH COMPANY,LTD

P 502

RICOH
imagine. change.



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:P 502 Product destination: NA

Main specifications:

Black and White MFP (Electrophotography)

Print Speed : 43 prints/minute (A4)

Maximum Paper Size : 8.5" x 11"

Included Units in Assessment : Automatic Duplexing U Independent verification of data & declaration in accordance with ISO14025

Company Information

RICOH COMPANY,LTD

Tel:(03) 3777-8111

Registration#	JR-AI-20123E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	12/25/2020
Verification date	12/17/2020
Verification method	System certificaion
Verification#	JV-AI-20123
Expiration date	12/16/2025
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (SuMPO)

Third party verifier*

Yasuo Koseki

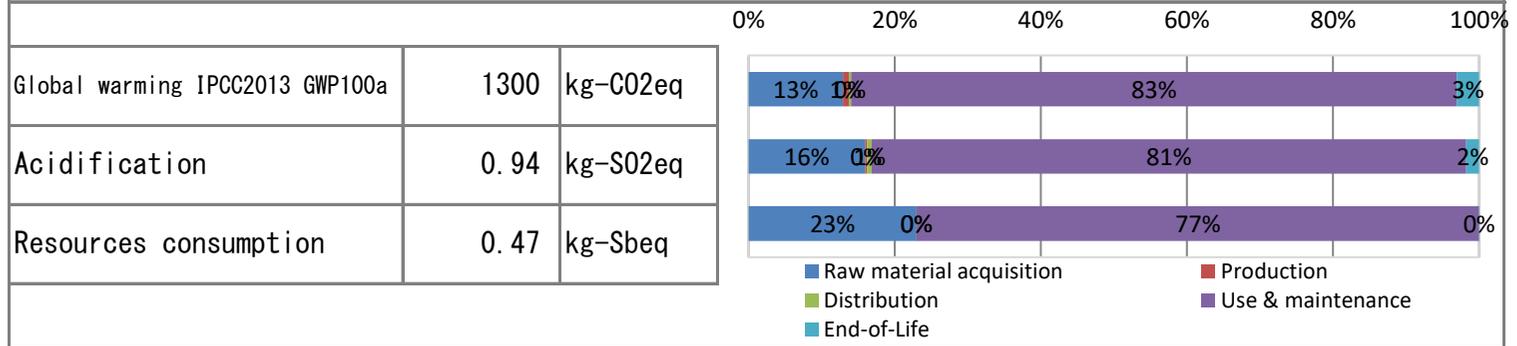
internal external

*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	1.3E+03	1.7E+02	1.1E+01	4.5E+00	1.1E+03	4.1E+01
Acidification		kg-SO ₂ eq	9.4E-01	1.5E-01	2.8E-03	5.8E-03	7.6E-01	1.6E-02
Resources consumption		kg-Sbeq	4.7E-01	1.1E-01	2.8E-05	1.9E-05	3.6E-01	9.2E-06

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	4.8E+01 kg
Renewable material resources	5.2E+02 kg

3. Material composition

Material	Unit
SUS	0.2 %
Aluminum	1.0 %
Ordinary steel	31.9 %
Other metals	3.1 %
Thermoplastic resin	45.1 %
Thermosetting resin	0.3 %
Glass	0.1 %
Rubber	0.8 %
Paper	11.3 %
Lubricant	0.0 %
Mounting circuit board	3.6 %
Wood	2.3 %

5. Additional explanation

-Products selected in the scenario used for load calculation
 --Multifunction device (EP)
 • Product destination: NA ※
 ※Transportation scenarios are for China, Thailand, and Ricoh Group.from three production sites in Japan, North America, Europe, on transportation routes to the five poles of China, Oceania and Japan transport load calculate the weighted average of transportation activity per kg of product from the total calculated using the annual production volume for each pole .
 Then, it is used as a transportation unit of calculation.
 • Expected usage period: 5 years
 • Estimated number of sheets: 1075200 sheets ※
 ※Compatible with International Energy Star Program Ver.2.0
 -The load on the image output medium (printing paper) is not included.

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



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6-1. Supplementary environmental information

Compliant with the International Energy Star Program Ver.2.0. 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

7. Assumptions of secondary data used

IDEA v2.1.3 is used and registration data and JLCA data v1.07 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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