Black and White MFP (Electrophotography)

IM 4000

RICOH COMPANY,LTD

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:IM 4000　　Product destination: NA

Main specifications:

Black and White MFP (Electrophotography)

Print Speed : 40 prints/minute（A4）

Maximum Paper Size : 11" x 17"

Included Units in Assessment : Automatic Reversing Document Feeder, Automatic Duplexing Unit

Company Information

RICOH COMPANY,LTD

Tel:(03) 3777-8111

Registration#	JR-AI-21122E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	10/8/2021
Verification date	9/29/2021
Verification method	System certificaion
Verification#	JV-AI-20121
Expiration date	9/28/2026

PCR review was conducted by:

Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (SuMPO)

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.

EcoLeaf

Type III Environmental Declaration (EPD)

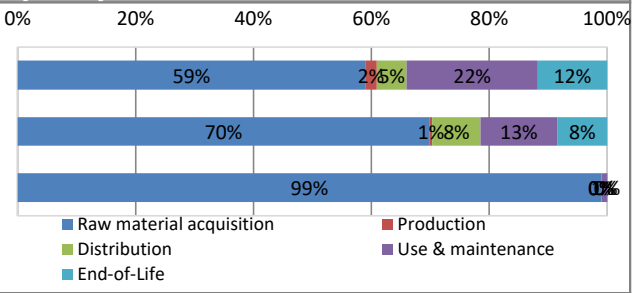
Registration number： JR-AI-21122E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization
2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	870	kg-CO2eq
Acidification	0.61	kg-SO2eq
Resources consumption	0.77	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	8.7E+02	5.2E+02	1.7E+01	4.5E+01	1.9E+02	1.0E+02
Acidification	kg-SO_2eq	6.1E-01	4.3E-01	3.2E-03	5.0E-02	8.0E-02	5.1E-02
Resources consumption	kg-Sbeq	7.7E-01	7.6E-01	7.0E-05	1.9E-04	7.3E-03	3.8E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	6.0E+01	kg
Renewable material resources	9.4E+01	kg

3. Material composition

Material		Unit
SUS	1.0	kg
Aluminum	0.8	kg
Ordinary steel	40.8	kg
Other metals	2.2	kg
Thermoplastic resin	27.7	kg
Thermosetting resin	1.5	kg
Glass	1.6	kg
Rubber	0.2	kg
Paper	6.8	kg
Lubricant	0.0	kg
Mounting circuit board	1.4	kg
Wood	8.5	kg

5. Additional explanation

-Products selected in the scenario used for load calculation

-MFP (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 calcuration.

・ Expected usage period: 5 years

・ Estimated number of sheets:240,000sheets ※

※Compatible with International Energy Star Program Ver.3.0

-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

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

7. Assumptions of secondary data used

IDEA v2.1.3 is used and registration data and JLCA data v1.10 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/)