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

Black and White Printer (Electrophotography)

Pro 8420 (for EU)

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: Pro 8420 for EU

Main specifications:

Printer (Electrophotography)

Print Speed : 136 prints/minute (A4)

Maximum Paper Size : A3

Function: Print

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

Company Information

RICOH COMPANY,LTD

Tel:(03) 3777-8111

Registration#	JR-AI-24370E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	30/11/2024
Verification date	15/11/2024
Verification method	System certificaion
Verification#	JV-AI-24370
Expiration date	14/11/2029

PCR review was conducted by:

Approval date	1/9/ 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.

SuMPO EPD Type III Environmental Declaration (EPD)

Registration number : JR-AI-24370E

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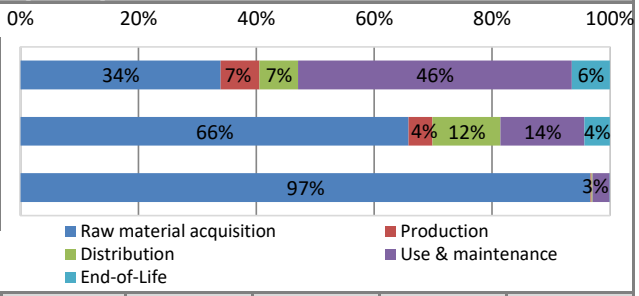
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	5300	kg-CO2eq
Acidification	3.00	kg-SO2eq
Resources consumption	0.89	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	5.3E+03	1.8E+03	3.5E+02	3.5E+02	2.5E+03	3.5E+02
Acidification	kg-SO_2eq	3.0E+00	2.0E+00	1.2E-01	3.5E-01	4.3E-01	1.3E-01
Resources consumption	kg-Sbeq	8.9E-01	8.6E-01	1.6E-03	1.5E-03	2.6E-02	2.1E-04

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	4.5E+02	kg
Renewable material resources	3.4E+02	kg

3. Material composition

Material		Unit
SUS	8.3E+00	kg
Aluminum	1.1E+01	kg
Ordinary steel	3.2E+02	kg
Other metals	1.1E+01	kg
Thermoplastic resin	4.3E+01	kg
Thermosetting resin	8.7E-01	kg
Glass	5.6E-01	kg
Rubber	8.2E-01	kg
Paper	3.1E+01	kg
Lubricant	1.1E-01	kg
Mounting circuit board	4.0E+00	kg
Wood	0.0E+00	kg

*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: EU

・ Expected usage period: 5 years

・ Estimated number of sheets:2,774,400 sheets ※

※Apply the number of sheets according to the actual usage conditions based on the product performance

※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: JQA－E-70001

Certification number: CERT-0088051

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/)