



RICOH COMPANY,LTD

Color MFP (Electrophotography)

Pro C5410S (for NA)



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 C5410S for NA

Main specifications:

MFP (Electrophotography)

Print Speed : Monochrome 80ppm ,Color 80ppm (LT)

Maximum Paper Size : 13×19.2 inch

Function: Print /Copy /Scan

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

| | |
|---------------------|---------------------------------------|
| Registration# | JR-AI-24559E |
| PCR number | PA-590000-AI-08 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 9 Jun 2025 |
| Verification date | 24 Apr 2025 |
| Verification method | System certification |
| Verification# | JV-AI-24559 |
| Expiration date | 23 Apr 2030 |

PCR review was conducted by:

| | |
|------------------------|-----------------------------|
| Approval date | 1 Sep 2023 |
| PCR review panel chair | Masayuki Kanzaki (SuMPO) |

Third party verifier*

Hiroyuki Uchida

Independent verification of data & declaration in accordance
with ISO14025

☐ internal ☒ external

Company Information

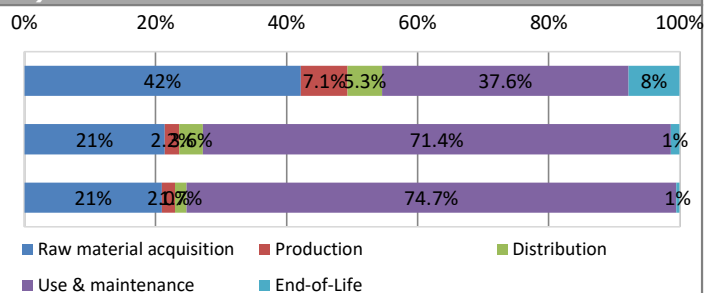
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<https://www.ricoh.co.jp/>

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

1. Results of life cycle impact assessment (LCIA)

| | | |
|---------------------------------|------|-----------------------|
| Global warming IPCC2013 GWP100a | 3900 | kg-CO ₂ eq |
| Acidification | 10 | kg-SO ₂ eq |
| Urban area air pollution | 4.2 | kg-Sbeq |



| Parameter | stage | Unit | Total | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
|---------------------------------|-------|-----------------------|---------|--------------------------|------------|--------------|-------------------|-------------|
| Global warming IPCC2013 GWP100a | | kg-CO ₂ eq | 3.9E+03 | 1.6E+03 | 2.8E+02 | 2.0E+02 | 1.5E+03 | 3.0E+02 |
| Acidification | | kg-SO ₂ eq | 1.0E+01 | 2.2E+00 | 2.3E-01 | 3.7E-01 | 7.3E+00 | 1.4E-01 |
| Resources consumption | | kg-Sbeq | 4.2E+00 | 4.0E+00 | 1.8E-03 | 8.6E-04 | 2.4E-01 | 1.8E-04 |

2. Life cycle inventory analysis (LCI)

| Parameter | Unit |
|----------------------------------|------------|
| Non-renewable material resources | 2.9E+02 kg |
| Renewable material resources | 4.0E+02 kg |

3. Material composition

| Material | Unit |
|------------------------|------------|
| SUS | 1.4E+01 kg |
| Aluminum | 8.2E+00 kg |
| Ordinary steel | 1.6E+02 kg |
| Other metals | 1.1E+01 kg |
| Thermoplastic resin | 7.8E+01 kg |
| Thermosetting resin | 2.6E+00 kg |
| Glass | 3.5E+00 kg |
| Rubber | 2.0E+00 kg |
| Paper | 9.8E+00 kg |
| Lubricant | 7.4E-02 kg |
| Mounting circuit board | 1.7E+00 kg |
| Wood | 1.7E+01 kg |
| Other | 1.5E-01 kg |



5. Additional explanation

Products selected in the scenario used for load calculation

--MFP (Electrophotography)

- Product destination: NA
- Expected usage period: 5 years
- Estimated number of sheets: 960,000 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: JQA-E-70001

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

7. Assumptions of secondary data used

The generic data is taken from IDEA ver3.1.0 and SuMPO Environmental Label Program Registration Data v1.15.

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/>)