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&White MFP (Electrophotography)

RICOH MP W4002 SP

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 MP W4002 SP

Main specifications:

MFP (Electrophotography)

Print Speed：Monochrome 40ppm (A4)

Maximum Paper Size：A2

Function: Print /Copy /Scan

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

Registration#	JR-AI-24564E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	30 May 2025
Verification date	22 May 2025
Verification method	System certificaion
Verification#	JV-AI-24564
Expiration date	21 May 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

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

Company Information

RICOH COMPANY,LTD

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

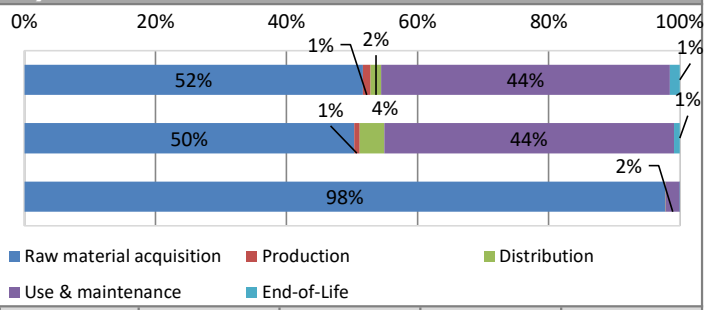
SuMPO EPD
Type III Environmental Declaration (EPD)

Registration number : JR-AI-24564E

Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	2400	kg-CO_2eq
Acidification	3.4	kg-SO_2eq
Resources consumption	0.6	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	2.4E+03	1.2E+03	2.9E+01	3.9E+01	1.1E+03	3.5E+01
Acidification	kg-SO_2eq	3.4E+00	1.7E+00	2.9E-02	1.3E-01	1.5E+00	3.1E-02
Resources consumption	kg-Sbeq	5.7E-01	5.6E-01	1.9E-04	1.6E-04	1.2E-02	9.7E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	2.5E+02	kg
Renewable material resources	2.8E+02	kg

3. Material composition

Material		Unit
SUS	1.1E+01	kg
Aluminum	8.7E+00	kg
Ordinary steel	1.2E+02	kg
Other metals	4.6E+00	kg
Thermoplastic resin	5.9E+01	kg
Thermosetting resin	5.5E+00	kg
Glass	5.4E+00	kg
Rubber	1.4E+00	kg
Paper	1.9E+01	kg
Lubricant	4.0E-02	kg
Mounting circuit board	1.2E+00	kg
Wood	2.3E-03	kg
Other	0.0E+00	kg

5. Additional explanation

Products selected in the scenario used for load calculation
--MFP (Electrophotography)
・Product destination: Japan
・ Expected usage period: 5 years
・ Estimated number of sheets:960,000 sheets ※
※Compatible with International Energy Star Program Ver.2.0
-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.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 factory.
Certification number: JQA－E-70001 , SGS-CN18/20330
https://jp.ricoh.com/sustainability/environment/management/iso

7. Assumptions of secondary data used

IDEA v3.1.0, and registered data of Japan EPD Program by SuMPO v1.15 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/)