Sumpo<br/>E R I F I E D<br/>Registration number :SumPO EPDJapan EPD Program by SumPO<br/>Sustainable Management Promotion Organization<br/>Type III Environmental Declaration (EPD) 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan<br/>https://ecoleaf-label.jp/

# **RICOH COMPANY, LTD**

RICOH

imagine. change.

Black and White MFP (Electrophotography)

# Pro 8410S (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 8410S for EU Main specifications: MFP (Electrophotography) Print Speed : 111 prints/minute (A4) Maximum Paper Size : A3 Function: Print /Copy /Scan Included Units in Assessment : Automatic Reversing Document Feeder, Automatic Duplexing Unit

Registration#	JR-AI-24367E			
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-24367			
Expiration date	14/11/2029			
PCR review was conducted by:				
Approval date	1/9/ 2023			
PCR review	Masayuki Kanzaki			
panel chair	(SuMPO)			
Third party verifier*				

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

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

external

**Company Information** 

RICOH COMPANY,LTD Tel:(03) 3777-8111

## Registration number : JR-AI-24367E

□internal



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1. Results of life cycle impact assessment (LCIA)									
			0%	20% 4	0% 6	0% 80	% 100%		
Global warming IPCC2013 GWP100a	4900	kg-CO2eq		40%	8% 8%	37%	8%		
Acidification	3.00	kg-SO2eq		70%		<mark>4%</mark> 12	<mark>% 9% </mark> 5%		
Resources consumption	0.99	kg-Sbeq			98%		2 <mark>%</mark>		
Raw material acquisition Production   Distribution Use & maintenance   End-of-Life End-of-Life									
stage Parameter	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life		
Global warming IPCC2013 GWP100a	kg-CO <sub>2</sub> eq	4.9E+03	1.9E+03	3.7E+02	3.7E+02	1.8E+03	3.7E+02		
Acidification	kg-SO <sub>2</sub> eq	3.0E+00	2.1E+00	1.3E-01	3.6E-01	2.8E-01	1.4E-01		
Resources consumption	kg-Sbeq	9.9E-01	9.7E-01	1.7E-03	1.6E-03	1.9E-02	2.2E-04		

2. Life cycle inventory analysis (LCI)					
Parameter		Unit			
Non-renewable material resources	4.6E+02	kg			
Renewable material resources	3.4E+02	kg			

3. Material composition					
Material		Unit			
SUS	1.0E+01	kg			
Aluminum	1.1E+01	kg			
Ordinary steel	3.3E+02	kg			
Other metals	1.2E+01	kg			
Thermoplastic resin	5.1E+01	kg			
Thermosetting resin	1.1E+00	kg			
Glass	2.1E+00	kg			
Rubber	9.2E-01	kg			
Paper	3.1E+01	kg			
Lubricant	1.1E-01	kg			
Mounting circuit board	4.2E+00	kg			
Wood	1.4E-04	kg			

PD SuMPO EPD

Japan EPD Program by SuMPO

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Sustainable Management Promotion Organization ERIFIED Type III Environmental Declaration (EPD)<sub>14-8</sub>, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan https://ecoleaf-label.jp/

\*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

--MFP (EP)

Product destination: EU

SuMPO

• Expected usage period: 5 years

• Estimated number of sheets:1,843,200 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/)

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