

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)

IM 460F (for AP)

RICOH imagine. change.



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 460F Product destination: AP

Main specifications:

Black & White MFP (Electrophotography)
Print Speed: 46 prints/minute (A4)

Maximum Paper Size: A4

Included Units in Assessment : Automatic Reversing

Document Feeder, Automatic Duplexing Unit

Company Information

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

Registration#	JR-AI-23234E	
PCR number	PA-590000-AI-07	
PCR name	Imaging input and/or output equipment	
Publication date	7/31/2023	
Verification date	7/25/2023	
Verification method	Product-by-product	
Verification#	JV-AI-23234	
Expiration date	7/24/2028	
PCR review was conducted by:		
Approval date	4/27/2023	
PCR review	Masayuki Kanzaki	
panel chair	(SuMPO)	

Third party verifier*

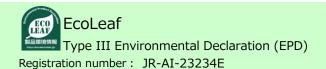
Takahiro Atou

Independent verification of data & declaration in accordance with ISO14025

□internal **■** external

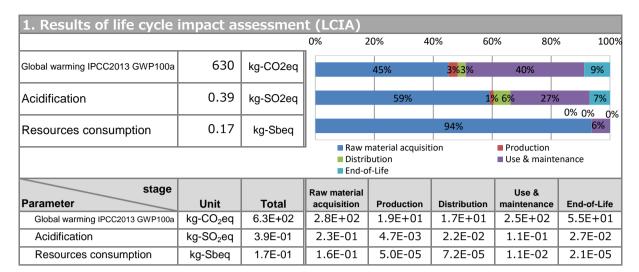
Registration number: JR-AI-23234E

 $[\]ensuremath{^{*}}\mbox{Auditor's}$ name is stated if system certification has been performed.



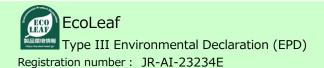
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2. Life cycle inventory analysis (LCI)				
Parameter		Unit		
Non-renewable material resources	3.2E+01	kg		
Renewable material resources	5.7E+01	kg		

3. Material composition			
Material		Unit	
SUS	0.30	kg	
Aluminum	0.25	kg	
Ordinary steel	19	kg	
Other metals	1.8	kg	
Thermoplastic resin	17	kg	
Thermosetting resin	0.94	kg	
Glass	0.88	kg	
Rubber	0.21	kg	
Paper	6.5	kg	
Lubricant	0.0012	kg	
Mounting circuit board	0.83	kg	
Wood	0.00027	kg	



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*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

- --Multifunction device (EP)
- Product destination: AP ※
- **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:316800 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:BSI-EMS646026 JQA – E-70001 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/)

Registration number: JR-AI-23234E