



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20081E-A

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

KONICAMINOLTA,INC.

bizhub 450i



Functional unit

Per unit of product

System boundary

- final products intermediate products

Raw material acquisition, Production, Distribution,
Use & maintenance, End-of-Life

Main specifications of the product

Model name : bizhub 450i

- Marking technologies : Electrophotographic Printer (EP)
- Printing speed(A4) : Monochrome 45 prints-per-minute
- Printing paper : Maximum A3
- Duplex function : Standard

Company Information

Please direct any inquiries or comments
to e-mail: eco-support@konicaminolta.com

Registration#	JR-AI-20081E-A
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	09/10/2020
Verification date	01/28/2021
Verification method	System certificaion
Verification#	JV-AI-20081-A
Expiration date	01/27/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

Third party verifier*

Kazuo Naitou

Independent verification of data & declaration in accordance
with ISO14025

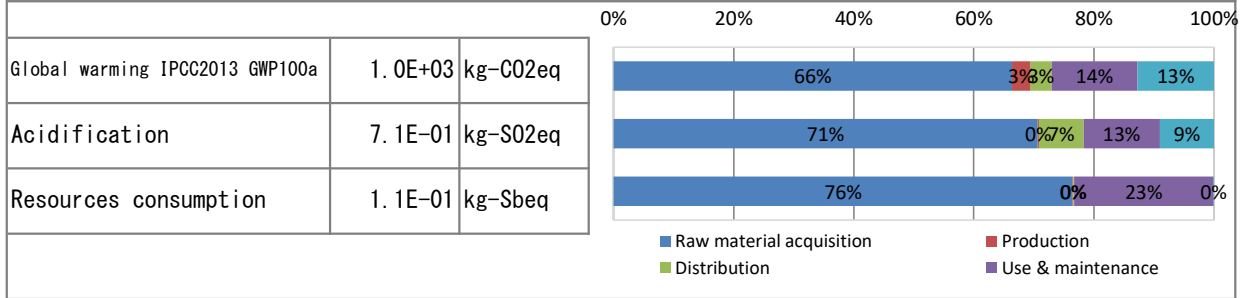
internal external

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

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1. Results of life cycle impact assessment (LCIA)



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO ₂ eq	1.0E+03	6.9E+02	3.2E+01	3.6E+01	1.5E+02	1.3E+02
Acidification		kg-SO ₂ eq	7.1E-01	5.0E-01	1.9E-03	5.2E-02	9.0E-02	6.4E-02
Resources consumption		kg-Sbeq	1.1E-01	8.6E-02	9.7E-05	1.5E-04	2.6E-02	1.1E-04

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	7.1E+01 kg
Renewable material resources	1.2E+02 kg

3. Material composition

Material	Unit
Steel	4.7E+01 kg
SUS	4.8E-01 kg
Al	6.2E-01 kg
Other metals	1.6E+00 kg
Glass	9.3E-01 kg
Thermoplastics resin	3.6E+01 kg
Wood	5.5E+00 kg
Paper	8.5E+00 kg
Rubber	1.2E+00 kg
Assembled circuit board	3.1E+00 kg

5. Additional explanation

- Production destination : Japan
- Calculation method of use stage (Calculated by the standard scenario for MFP (EP type))
 - Expected usage period : five years
 - Estimated number of sheets used : 297,600
 - The impact of printing paper is not included.
 - The impact of expendables and Maintenance parts are included in the stage of Use&maintenance.

※ Conformed to the International ENERGY STAR® Ver3.0 Program



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6-1. Supplementary environmental information

- ENERGY STAR® Ver.3.0 qualified

7. Assumptions of secondary data used

IDEA v2.1.3 and Ecoleaf Environmental Labeling Program Registry data v1.06

8. Remarks

Revise day:02/05/2021 Revised the calculation / description method and re-verified.

- 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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