EcoLeaf Type III Environmental Declaration (EPD)

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization 2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan https://ecoleaf-label.jp/

KONICAMINOLTA, INC.

Registration number: JR-AI-20087E



Functional unit

Per unit of product

System boundary

■ final products □intermediate products Raw material acquision, Production, Distribution, Use & maintenance, End-of-Life

Main specifications of the product

Model name: bizhub 4700i

■ Marking technologies : Electrophotographic Printer (EP)

■ Printing speed(8.5"×11"):

Monochrome 47 prints-per-minute

■ Printing paper: Maximum 8.5"×11"

■ Duplex function: Standard

Company Information

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

	Registration#	JR-AI-20087E	
	PCR number	PA-590000-AI-03	
	PCR name	Imaging input and/or output equipment	
	Publication date	03/24/2021	
	Verification date	03/16/2021	
	Verification method	System certificaion	
	Verification#	JV-AI-20087	
	Expiration date	03/15/2026	
	PCR review was conducted by:		
	Approval date	11/8/2019	
ΕF	PCR review	Masayuki Kanzaki	

Third party verifier*

panel chair

Kazuo Naitou

Independent verification of data & declaration in accordance with ISO14025

> □internal ■ external

(Sustainable Management Promotion Organization)

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



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1. Results of life cycle impact assessment (LCIA)									
			0%	20%	40% 60	9% 80%	% 100%		
Global warming IPCC2013 GWP100a	6. 3E+02	kg-CO2eq		39%	<mark>6%</mark> 5%	41%	9%		
Acidification	4. 6E-01	kg-S02eq		50%	0%9%	31%	10%		
Resources consumption	9. 2E-02	kg-Sbeq	30	0% 0 <mark>%</mark>		69%	0%		
	Raw material acquisitionDistribution			■ Production ■ Use & maintenance					
stage			material			maintenanc			
Parameter	Unit	Total	acquisition	Production	Distribution	е	End-of-Life		
Global warming IPCC2013 GWP100a	kg-CO₂eq	6.3E+02	2.5E+02	3.9E+01	3.0E+01	2.6E+02	5.5E+01		
Acidification	kg-SO₂eq	4.6E-01	2.3E-01	2.2E-03	4.3E-02	1.4E-01	4.6E-02		
Resources consumption	kg-Sbeq	9.2E-02	2.8E-02	1.4E-04	1.3E-04	6.4E-02	9.7E-05		

2. Life cycle inventory analysis (LCI)							
Parameter		Unit					
Non-renewable material resources	2.5E+01	kg					
Renewable material resources	7.4E+01	kg					

3. Material composition							
Material		Unit					
Steel	1.3E+01	kg					
SUS	1.2E-01	kg					
Al	6.7E-01	kg					
Other metals	4.6E-01	kg					
Glass	0.0E+00	kg					
Thermoplastics resin	1.1E+01	kg					
Wood	3.6E+00	kg					
Paper	2.6E+00	kg					
Rubber	7.4E-02	kg					
Assembled circuit board	1.4E+00	kg					
Medium-sized motor	9.92E-01	kg					

5. Additional explanation

- · Production destination : North America
- Calculation method of use stage (Calculated by the standard scenario for Printer (EP type))
 - Expected usage period : five years
 - Estimated number of sheets used: 326,400
 - 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 Enviromental Labeling Program Registry data v1.06

8. Remarks

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- 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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