

KONICAMINOLTA ,INC. **bizhub 4221i**



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 4221i

■ Marking technologies : Electrophotographic Printer (EP)

■ Printing speed(A4) : Monochrome 42 ppm

■ Printing paper : Maximum A4

■ Duplex function : Standard

Company Information

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

Registration#	JR-AI-25231E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	10/20/2025
Verification date	9/30/2025
Verification method	Product-by-product
Verification#	JV-AI-25231
Expiration date	9/29/2030
PCR review was conducted by:	
Approval date	9/1/2023
PCR review	Masayuki Kanzaki
panel chair	Sustainable Management Promotion Organization

Third party verifier*

Tomoko Fuchigami

Independent verification of data & declaration in accordance
with ISO14025

☐ internal ☒ external

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

Results of life cycle impact assessment (LCIA)

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global Warming Potential total (GWP-total)	kg-CO ₂ eq	1.5E+02	7.7E+00	4.3E+00	3.4E+02	3.8E+01
Acidification	kg-SO ₂ eq	4.4E-01	6.4E-02	3.5E-03	9.9E-01	1.8E-02
ADP elements	kg-Sbeq	8.1E-03	2.4E-05	1.2E-08	4.4E-03	5.7E-06

Life cycle inventory analysis (LCI)

Indicators describing use of primary resources

		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
RPR _E	MJ	3.6E+02	7.8E+01	1.5E-02	1.7E+03	1.1E+01
NRPR _E	MJ	2.5E+03	1.0E+02	4.8E+01	6.1E+03	4.8E+01

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 : 259,200※
- 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

Supplementary environmental information

- ENERGY STAR® Ver3.0 qualified
- The assembly of this product and the production of its main components are carried out at ISO14001 certified factories.

Material composition

Material		Unit
Steel	3.4E+00	kg
SUS	6.9E-02	kg
Al	1.0E-01	kg
Other metals	1.5E-02	kg
Glass	2.1E-01	kg
Thermoplastics resin	1.2E+01	kg
Paper and Wood	2.6E+00	kg
Rubber	1.5E-01	kg
Assembled circuit board	6.9E-01	kg
Othres	1.3E+00	kg

Assumptions of secondary data used

IDEA v3.4
 Registered data of Japan EPD Program by SuMPO, JLCA data v1.16

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/>)
- This is a selfdeclared translation of EPD that can be accessed at [<https://ecoleaf-label.jp/epd/2503>] and is published for convenience purposes. Only the original EPD is valid and binding between parties.