



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22089E

The Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

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

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



Monochrome MFD TASKalfa MZ4000i(US)

KYOCERA Document Solutions Inc.

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 : Monochrome MFD

TASKalfa MZ4000i

Making Technology : Electrophotographic Printer (EP)

Printing Speed: Monochrome 40 Pages per minute in A4

Printing paper : Maximum A3

Duplex function: Standard

Company Information

KYOCERA Document Solutions Inc.

Quality Assurance Division Reliability Assurance Section 11

TEL : 06-6764-3764

<http://www.kyoceradocumentsolutions.co.jp/>

Registration#	JR-AI-22089E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	6/6/2022
Verification date	31/5/2022
Verification method	System certification
Verification#	JV-AI-22089E
Expiration date	5/30/2027
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

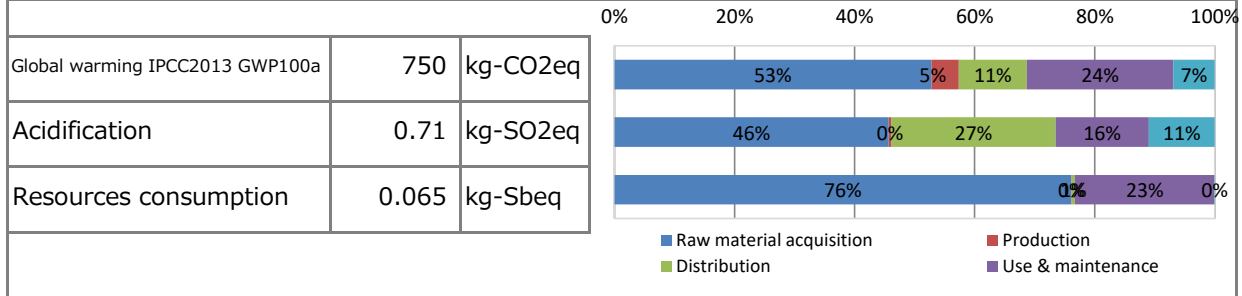
internal external

*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	7.5E+02	4.0E+02	3.4E+01	8.5E+01	1.8E+02	5.2E+01
Acidification		kg-SO ₂ eq	7.1E-01	3.3E-01	3.0E-03	2.0E-01	1.1E-01	7.8E-02
Resources consumption		kg-Sbeq	6.5E-02	5.0E-02	5.4E-05	3.6E-04	1.5E-02	5.2E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	5.3E+01	kg
Non-renewable energy resources	1.2E+04	MJ
Renewable material resources	1.7E+02	kg
Renewable primary energy	1.9E+02	MJ

3. Material composition

Material	Value	Unit
Steel	3.1E+01	kg
SUS	1.0E+00	kg
Cu	1.3E+00	kg
Al	2.2E-01	kg
Glass	1.6E+00	kg
Thermoplastics resin	2.3E+01	kg
Thermosetting resin	6.6E-02	kg
Rubber	8.7E-02	kg
Paper	1.1E+01	kg
Wood	1.2E+01	kg
Assembled circuit board	2.1E+00	kg
Medium-sized motor	1.2E+00	kg

5. Additional explanation

- Product destination: North America
- Calculation method of use stage (scenario)
 - ① Expected usage period: five years
 - ② Estimated number of sheets used:
Monochrome 240,000
 - ③ The impact of printing paper is not included
- Products selected in the scenario used for inventory calculation : Multifunction device (EP)
- Conformed to the International ENERGY STAR® Ver3.0 Program
- Consumables will be shipped directly from the factory to the country of sale separately from the product body.



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6-1. Supplementary environmental information

- Conformed to the International ENERGY STAR® Ver3.0 Program
- Manufactured at ISO14001 certified factories.
- halogenated flame retardants are not used in Plastic housing and outer package.

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IDEA v2.1.3 and Ecoleaf Environmental Labeling Program Registry data v1.07

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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