



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24491E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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



# Monochrome MFD ECOSYS MA4000wfx

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  
ECOSYS MA4000wfx

Making Technology : Electrophotographic Printer (EP)

Printng Speed:

Monochrome 40 pages per minute in A4

Prting paper : Maximum A4R

Copy / Print / Scan / FAX

## Company Information

KYOCERA Document Solutions Inc.

Quality Assurance Division Reliability Assurance Section 21

TEL : 06-6764-3764

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

Registration#	JR-AI-24491E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	1/31/2025
Verification date	1/22/2025
Verification method	System certificaion
Verification#	JV-AI-24491E
Expiration date	1/21/2030
PCR review was conducted by:	
Approval date	9/1/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

## Third party verifier\*

Hiroyuki Uchida

Independent verification of data & declaration in accordance with ISO14025

internal

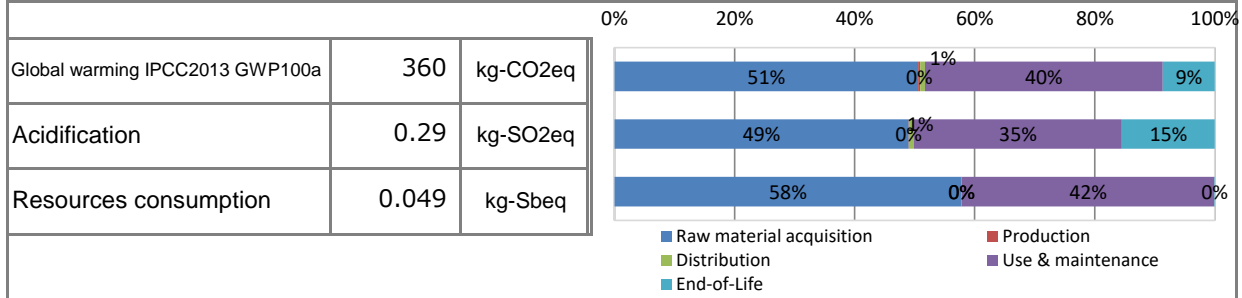
external

\*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 <sub>2</sub> eq	3.6E+02	1.8E+02	1.3E+00	2.9E+00	1.4E+02	3.1E+01
Acidification		kg-SO <sub>2</sub> eq	2.9E-01	1.4E-01	1.3E-04	2.5E-03	1.0E-01	4.4E-02
Resources consumption		kg-Sbeq	4.9E-02	2.9E-02	3.0E-06	1.2E-05	2.1E-02	4.0E-05

**2. Life cycle inventory analysis (LCI)**

Parameter	Unit
Non-renewable material resources	2.2E+01 kg
Non-renewable energy resources	6.0E+03 MJ
Renewable material resources	1.1E+02 kg
Renewable primary energy	1.1E+02 MJ

**3. Material composition**

Material	Unit
Steel	6.2E+00 kg
SUS	8.5E-01 kg
Cu	5.7E-01 kg
Al	1.0E-01 kg
Glass	7.3E-01 kg
Thermoplastics resin	9.9E+00 kg
Thermosetting resin	1.2E-01 kg
Rubber	3.2E-02 kg
Paper	5.1E+00 kg
Assembled circuit board	1.1E+00 kg
Medium-sized motor	6.1E-01 kg

**5. Additional explanation**

- Product destination: Japan
- Calculation method of use stage (scenario)
  - ① Expected usage period: five years
  - ② Estimated number of sheets used: Monocrome 240,000
  - ③ The impact of printing paper is not included
- Products selected in the scenario used for inventory calculation : Copier, Printer and 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 and all of them are accounted for in the use and maintenance



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#### 6-1. Supplementary environmental information

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

#### 7. Assumptions of secondary data used

IDEA v2.1.3 and Japan EPD Program by SuMPO Registry data v1.13

#### 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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