Japan EPD Program by SuMPO
Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
https://ecoleaf-label.jp/

Monochrome Printer

ECOSYS PA4000wx(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 Printer
ECOSYS PA4000wx(US)
Making Technology : Electrophotographic Printer (EP)
Printng Speed:
Monochrome 40 pages per minute in A4
Priting paper ：Maximum A4R

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-24497E-A
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equimpent
Publication date	2 December 2025
Verification date	19 November 2025
Verification method	System certificaion
Verification#	JV-AI-24497E-A
Expiration date	11/18/2030

PCR review was conducted by:

Approval date	1 September 2023
PCR review panel chair	Masayuki Kanzaki Sustanable 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.

SuMPO EPD
Type III Environmental Declaration (EPD)
Registration number： JR-AI-24497E-A

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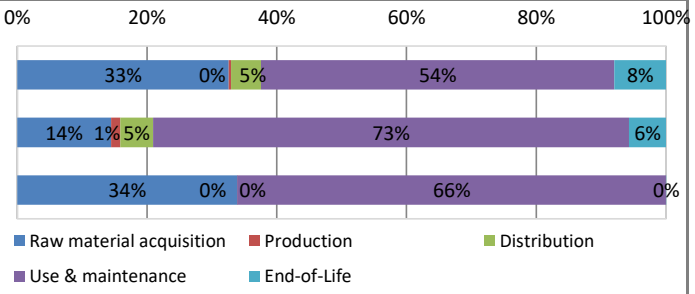
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	360	kg-CO_2eq
Acidification	0.70	kg-SO_2eq
Resources consumption	0.76	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	3.6E+02	1.2E+02	1.3E+00	1.7E+01	2.0E+02	2.9E+01
Ozone layer destruction	kg-CFC-11eq	2.8E-05	1.2E-05	6.6E-10	2.0E-10	1.5E-05	6.8E-07
Acidification	kg-SO_2eq	7.0E-01	1.0E-01	9.8E-03	3.5E-02	5.1E-01	4.0E-02
Photochemical ozone	kg-C_2H_4eq	5.5E-03	2.8E-03	1.6E-06	8.6E-05	2.6E-03	9.7E-05
Eutrophication	kg-PO_4^{3-}eq	1.8E-02	6.3E-03	5.4E-09	1.7E-10	1.1E-02	1.7E-05
Resources consumption	kg-Sbeq	7.6E-01	2.6E-01	3.2E-06	6.9E-05	5.1E-01	4.5E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	2.1E+01	kg
Non-renewable energy resources	5.8E+03	MJ
Renewable material resources	9.8E+01	kg
Renewable primary energy	4.3E+02	MJ

3. Material composition

Material		Unit
Steel	6.1E+00	kg
SUS	2.4E-01	kg
Cu	4.5E-01	kg
Al	9.9E-02	kg
Other metal	3.4E-02	kg
Thermoplastics resin	6.3E+00	kg
Thermosetting resin	6.8E-02	kg
Rubber	3.5E-02	kg
Paper	3.8E+00	kg
Assembled circuit board	6.0E-01	kg
Medium-sized motor	3.7E-01	kg
Glass	5.9E-01	kg
Wood	1.1E-03	kg

5. Additional explanation

・ Product destination: North America

・Calculation method of use stage (scenario)

①Expected usage period: five years

②Estimated number of sheets used:
Monoclome 240,000

③The 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® Ver3.2 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 phase.

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 v3.1.0 and Japan EPD Program by SuMPO Registry data v1.16

8. Remarks

Re-verification/Updating by using MiLCA for EPD version (-A is added to registration number)

- 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/)