



Monochrome Printer

ECOSYS P4145dn

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 P4145dn
Making Technology : Electrophotographic Printer (EP)
Printing Speed:
Monochrome 45 pages per minute in A4
Printing paper : Maximum A3
Duplex function: Standard

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-26077E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	22 July 2026
Verification date	13 July 2026
Verification method	System certification
Verification#	JV-AI-26077E
Expiration date	7/12/2031
PCR review was conducted by:	
Approval date	1 September 2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

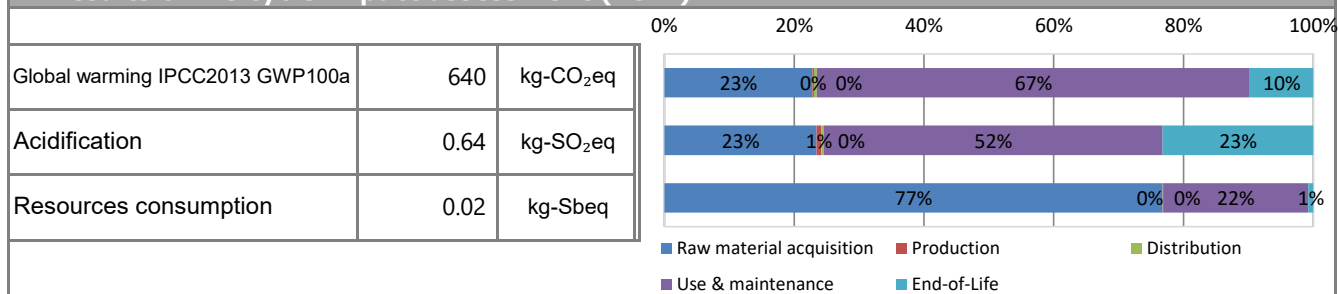
Hiroyuki Uchida

Independent verification of data & declaration in accordance
with ISO14025

☐ internal ☒ external

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

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	6.4E+02	1.5E+02	1.7E+00	2.8E+00	4.3E+02	6.3E+01
Ozone layer destruction		kg-CFC-11eq	6.7E-05	2.0E-05	2.8E-07	3.2E-11	4.4E-05	2.4E-06
Acidification		kg-SO ₂ eq	6.4E-01	1.5E-01	4.5E-03	2.4E-03	3.3E-01	1.5E-01
Photochemical ozone		kg-C ₂ H ₄ eq	1.2E-02	4.3E-03	2.3E-05	9.0E-06	7.1E-03	3.6E-04
Eutrophication		kg-PO ₄ ³⁻ eq	1.0E-01	8.1E-03	2.4E-05	2.8E-11	9.3E-02	4.2E-05
Resources consumption		kg-Sbeq	2.2E-02	1.7E-02	9.4E-06	1.2E-05	4.8E-03	1.7E-04

2. Life cycle inventory analysis (LCI)

Parameter	Unit
Non-renewable material resources	2.2E+01 kg
Non-renewable energy resources	1.0E+04 MJ
Renewable material resources	9.0E+01 kg
Renewable primary energy	1.0E+03 MJ

3. Material composition

Material	Unit
Steel	5.9E+00 kg
SUS	4.9E-01 kg
Cu	8.4E-01 kg
Al	2.8E-01 kg
Thermoplastics resin	9.7E+00 kg
Thermosetting resin	2.2E-02 kg
Rubber	4.5E-02 kg
Paper	4.6E+00 kg
Assembled circuit board	1.3E+00 kg
Medium-sized motor	6.5E-01 kg
Glass	1.2E+00 kg
Wood	1.1E-03 kg
Other electric electronic component	1.1E-02 kg

5. Additional explanation

- Product destination: Japan
- Calculation method of use stage (scenario)
 - Expected usage period: five years
 - Estimated number of sheets used: Monocrome 297,600
 - 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 phase.



SuMPO EPD
Type III Environmental Declaration (EPD)

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization
14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan
<https://ecoleaf-label.jp/>

Registration number : JR-AI-26077E

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

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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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