



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-23043E

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 PA5500x(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 PA5500x  
Making Technology :Electrophotographic Printer (EP)  
Printng Speed: Monochrome 55 Pages per minute in A4  
Priting paper :Maximum Folio (Legal)  
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-23043E
PCR number	PA-590000-AI-05
PCR name	Imaging input and/or output equipment
Publication date	2/14/2023
Verification date	2/3/2023
Verification method	System certificaion
Verification#	JV-AI-23043E
Expiration date	2/2/2028
PCR review was conducted by:	
Approval date	1/6/2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

## Third party verifier\*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

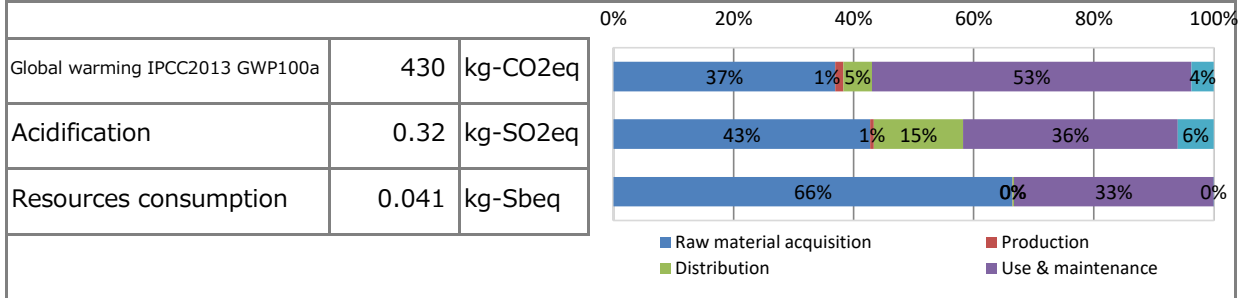
internal     external

\*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 <sub>2</sub> eq	4.3E+02	1.6E+02	5.9E+00	2.1E+01	2.3E+02	1.6E+01
Acidification		kg-SO <sub>2</sub> eq	3.2E-01	1.4E-01	1.9E-03	4.7E-02	1.1E-01	1.9E-02
Resources consumption		kg-Sbeq	4.1E-02	2.7E-02	2.5E-05	8.7E-05	1.3E-02	1.3E-05

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

Parameter	Value	Unit
Non-renewable material resources	1.8E+01	kg
Non-renewable energy resources	7.3E+03	MJ
Renewable material resources	1.3E+02	kg
Renewable primary energy	1.7E+02	MJ

**3. Material composition**

Material	Value	Unit
Steel	4.5E+00	kg
SUS	1.5E-01	kg
Cu	9.2E-01	kg
Al	2.6E-01	kg
Glass	6.8E-02	kg
Thermoplastics resin	8.7E+00	kg
Thermosetting resin	1.1E-01	kg
Rubber	1.8E-02	kg
Paper	3.9E+00	kg
Assembled circuit board	1.1E+00	kg
Medium-sized motor	6.6E-01	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: Monocrome 451,200
  - 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 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® Ver3.0 Program
- Manufactured at ISO14001 certified factories.
- Halogenated flame retardants are not used in Plastic housing and outer package.

#### 7. Assumptions of secondary data use

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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