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
PA4500x(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 PA4500x
Making Technology :Electrophotographic Printer（EP)
Printng Speed: Monochrome 45 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-23041E
PCR number	PA-590000-AI-05
PCR name	Imaging input and/or output equimpent
Publication date	2/14/2023
Verification date	2/3/2023
Verification method	System certificaion
Verification#	JV-AI-23041E
Expiration date	2/2/2028

PCR review was conducted by:

Approval date	1/6/2023
PCR review panel chair	Masayuki Kanzaki Sustanable 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.

EcoLeaf

Type III Environmental Declaration (EPD)

Registration number： JR-AI-23041E

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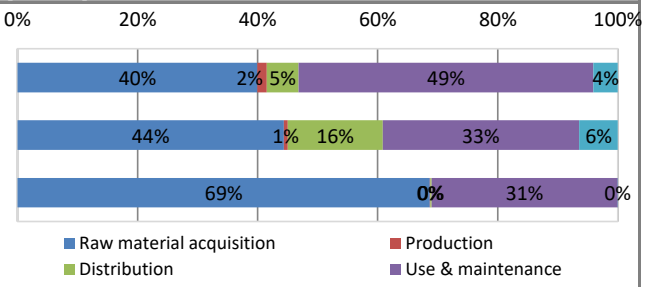
1. Results of life cycle impact assessment (LCIA)

Global warming IPCC2013 GWP100a	370	kg-CO2eq
Acidification	0.29	kg-SO2eq
Resources consumption	0.039	kg-Sbeq



Parameter \ stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO_2eq	3.7E+02	1.5E+02	5.9E+00	2.0E+01	1.8E+02	1.5E+01
Acidification	kg-SO_2eq	2.9E-01	1.3E-01	1.9E-03	4.5E-02	9.3E-02	1.8E-02
Resources consumption	kg-Sbeq	3.9E-02	2.7E-02	2.5E-05	8.3E-05	1.2E-02	1.3E-05

2. Life cycle inventory analysis (LCI)

Parameter		Unit
Non-renewable material resources	1.5E+01	kg
Non-renewable energy resources	6.3E+03	MJ
Renewable material resources	9.7E+01	kg
Renewable primary energy	1.5E+02	MJ

3. Material composition

Material		Unit
Steel	4.3E+00	kg
SUS	1.5E-01	kg
Cu	9.0E-01	kg
Al	2.6E-01	kg
Glass	6.8E-02	kg
Thermoplastics resin	8.2E+00	kg
Thermosetting resin	1.1E-01	kg
Rubber	1.8E-02	kg
Paper	4.0E+00	kg
Assembled circuit board	1.0E+00	kg
Medium-sized motor	5.0E-01	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 297,600

③The 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

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/)