Canon Inc.

imageRUNNER ADVANCE DX C478iF(For US)


## Functional unit

Per unit product

## System boundary

■ final products　□intermediate products

Raw Material acquisition, Production, Distribution, Use & maintenance, and End-of-Life stage

## Main specifications of the product

Model name

imageRUNNER ADVANCE DX C478iF(For US)

Specifications

- Multi Functional Printer (Electrophotography)
- CL
- Print Speed : Up to 50 ipm（LTR）
- Max paper size : LGL
- Print/copy/scan/FAX/Duplex printing/ADF
- Weight: approx.42kg(CRG not included)

## Company Information

Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku,
Tokyo 146-8501, Japan +81-3-3758-2111

| | |
|---|---|
| **Registration#** | JR-AI-24220E |
| **PCR number** | PA-590000-AI-08 |
| **PCR name** | Imaging input and/or output equipment |
| **Publication date** | 7/12/2024 |
| **Verification date** | 7/5/2024 |
| **Verification method** | System certificaion |
| **Verification#** | JV-AI-24220 |
| **Expiration date** | 7/12/2024 |

## PCR review was conducted by:

| | |
|---|---|
| **Approval date** | 7/4/2029 |
| PCR review panel chair | Masayuki Kanzaki |
| | Sustainable Management Promotion Organizati |

## 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.

EcoLeaf

Type III Environmental Declaration (EPD)

Registration number： JR-AI-24220E

**Japan EPD Program by SuMPO**

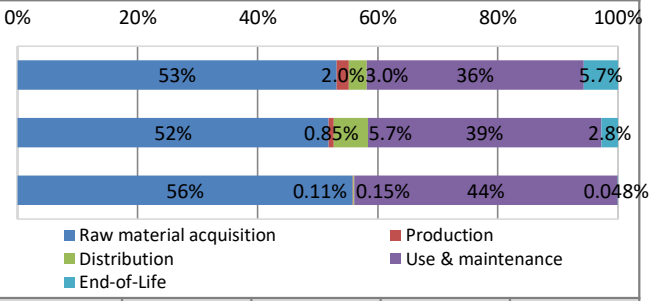
Sustainable Management Promotion Organization

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

https://ecoleaf-label.jp/

## 1. Results of life cycle impact assessment (LCIA)

| | | |
|---|---|---|
| Global warming IPCC2013 GWP100a | 1100 | kg-CO2eq |
| Acidification | 0. 86 | kg-SO2eq |
| Resources consumption | 0. 089 | kg-Sbeq |




| Parameter \ stage | Unit | Total | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
|---|---|---|---|---|---|---|---|
| Global warming IPCC2013 GWP100a | kg-$CO_2$eq | 1.1E+03 | 5.6E+02 | 2.1E+01 | 3.2E+01 | 3.8E+02 | 6.0E+01 |
| Ozone layer destruction | kg-CFC-11eq | 1.3E-04 | 5.9E-05 | 3.4E-08 | 2.3E-10 | 7.5E-05 | 6.5E-07 |
| Acidification | kg-$SO_2$eq | 8.6E-01 | 4.5E-01 | 7.3E-03 | 4.9E-02 | 3.3E-01 | 2.4E-02 |
| Resources consumption | kg-Sbeq | 8.9E-02 | 5.0E-02 | 9.5E-05 | 1.3E-04 | 3.9E-02 | 4.3E-05 |

## 2. Life cycle inventory analysis (LCI)

| Parameter | | Unit |
|---|---|---|
| Non-renewable energy resources | 1.6E+04 | MJ |
| Renewable primary energy | 3.0E+02 | MJ |
| | | |
| | | |
| | | |
| | | |

## 3. Material composition

| Material | | Unit |
|---|---|---|
| Common Steel | 28 | % |
| Stainless Steel | 0.49 | % |
| Aluminium | 0.75 | % |
| Other Metal | 3.0 | % |
| Plastic | 29 | % |
| Rubber | 0.31 | % |
| Glass | 1.5 | % |
| Paper/Wood | 27 | % |
| Circuit Board | 4.9 | % |
| Others | 4.2 | % |

## 5. Additional explanation

Calculated in the following conditions;

・Printing paper is not considered.

・Expected use period is 5 years.

・The standard scenario for Multifunction Device (EP type).

・US market.

・Print volume: 374,400 sheets.

・The applied Energy Star program version is 3.0.

・We evaluated the Ecoleaf with Canon's own data of raw materials weight and the general basic unit for the parts because it is difficult to collect the data for a couple of thousands of parts. Accordingly, the results may be different from the specific product specification.As such, please be advised that this result would be a rough estimate.

## 6-1. Supplementary environmental information

Complies with the EU RoHS Directive (2011/65/EU) and its amendments including 2015/863/EU.
Manufactured at ISO 14001 certified factories.

## 7. Assumptions of secondary data used

IDEA v2.1.3, and registered data v1.13 of Japan EPD Program by SuMPO are used.

## 8. Remarks

- 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/)