



Canon Inc.

imageRUNNER ADVANCE DX C3730i



※Calculation of Cassette Feeding Unit is excluded.

## 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 C3730i

Specifications

- Multi Functional Printer (Electrophotography)
- Print Speed : Up to 30 ppm (Letter)
- Duplex printing
- Weight: approx. 76.7kg

## Company Information

Canon Inc.

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<b>Registration#</b>	JR-AI-20106E
<b>PCR number</b>	PA-590000-AI-03
<b>PCR name</b>	Imaging input and/or output equipment
<b>Publication date</b>	1/20/2021
<b>Verification date</b>	12/24/2020
<b>Verification method</b>	System certificaion
<b>Verification#</b>	JV-AI-20106E
<b>Expiration date</b>	12/23/2025
<b>PCR review was conducted by:</b>	
<b>Approval date</b>	11/8/2019
<b>PCR review panel chair</b>	Masayuki Kanzaki Sustainable Management Promotion Organization

## Third party verifier\*

Hiroyuki Uchida

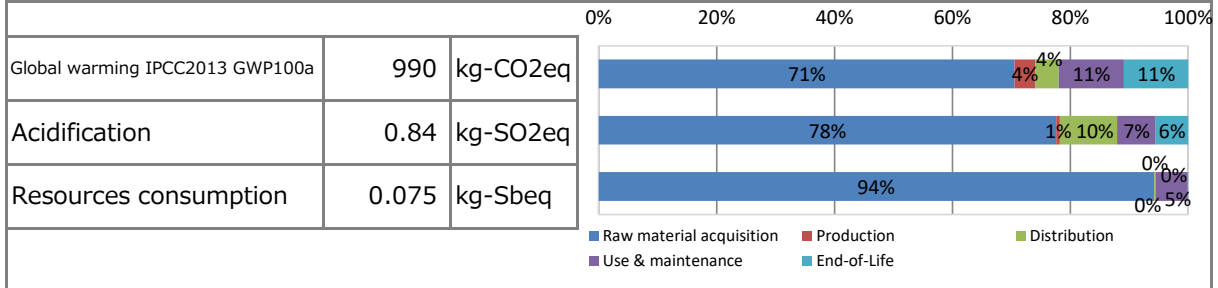
Independent verification of data & declaration in accordance with ISO14025

internal     external

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



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



stage Parameter	Unit	Total	Raw material acquisition	Productio n	Distributio n	Use & maintenan ce	End-of- Life
Global warming IPCC2013 GWP100a	kg-CO2eq	9.9E+02	7.0E+02	3.5E+01	4.0E+01	1.1E+02	1.1E+02
Acidification	kg-SO2eq	8.4E-01	6.6E-01	5.5E-03	8.2E-02	5.5E-02	4.7E-02
Resources consumption	kg-Sbeq	7.5E-02	7.1E-02	1.5E-04	1.7E-04	4.1E-03	6.2E-05

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

Parameter	Value	Unit
Non-renewable energy resources	1.5E+04	MJ
Renewable primary energy	2.4E+02	MJ

**3. Material composition**

Material	Value	Unit
Common Steel	30	%
Stainless Steel	1	%
Aluminium	2	%
Other Metal	2	%
Plastic	37	%
Rubber	0	%
Glass	2	%
Paper/Wood	18	%
Circuit Board	4	%
Others	5	%

**5. Additional explanation**

- Calculated in the following conditions;
- Printing paper is not considered.
  - The standard scenario for Multifunction Device (EP type).
  - The applied Energy Star program version is 3.0.
  - Print volume: 135,000 sheets.
  - US market.



#### **6-1. Supplementary environmental information**

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

#### **7. Assumptions of secondary data used**

IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA data v1.07 are used.  
Refer to Appendix for the list of basic units used to calculate this product.

#### **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/>)

## Appendix

The following is a list of the basic units used to calculate this product.  
These basic units can be obtained from the following URL.

[https://ecoleaf-label.jp/entry/application\\_form.html#FB-01](https://ecoleaf-label.jp/entry/application_form.html#FB-01)

### Raw material acquisition

ordinary steel cold rolled steel sheet and strips  
stainless steels and heat resisting steels, 4 digit  
stainless steel bars  
rolled and drawn copper products  
rolled and drawn brass products  
regenerated aluminium and aluminium alloys  
aluminium sheet for general use  
plate glass, 4 digit  
optical glass materials (including ones for glasses)  
silica gel  
felt and bonded fabrics  
low density polyethylene  
polypropylene  
polystyrene  
expanded polystyrene (EPS)  
vinyl chloride resin  
polycarbonate  
polyacetal  
acrylonitrile butadiene styrene resin  
acrylonitrile-styrene resin  
methacrylic resin  
nylon 6  
polyethylene terephthalate  
polyurethane, flexible  
rigid polyurethane, foamed  
polyacrylonitrile  
polystyrene, shock resistance  
polyimide  
polyphenylene sulfide  
polytetrafluoroethylene  
miscellaneous plastic  
styrene butadiene rubber  
polybutadiene  
ethylene propylene diene terpolymer  
chloroprene rubber, butadiene  
silicone rubber, compound  
wood screws, machine screws and set screws  
radial ball bearing, except ones for bearing units  
miscellaneous adhesives  
corrugated board box  
information paper  
common plywood  
carbon black  
ferric oxide (red oxide)  
medium motor

copper bare wire  
copper-clad wire  
lithium ion battery  
soft ferrite  
connectors  
assembled circuit board  
pushbutton switch (discrete)  
multilayer ceramic capacitor 0603  
multilayer ceramic capacitor 1005  
multilayer ceramic capacitor 1608  
multilayer ceramic capacitor 2012  
multilayer ceramic capacitor 3216  
laminated inductor 1005  
laminated inductor 2012  
square tip fixed resistor 0603  
square tip fixed resistor 1005  
square tip fixed resistor 1608  
square tip fixed resistor 2012  
square tip fixed resistor 3216  
square tip fixed resistor 3225  
switching power supply\_100W  
ferrite core transformer\_EER28  
aluminum electrolytic capacitor (lead type)\_D5 x L11  
laminated dielectric filter\_1005  
laminated dielectric filter\_1608  
laminated dielectric filter\_2125  
chip varistor\_1005  
thermistor\_2.0x1.2  
SMD inductor\_3x3  
SMD inductor\_4x4  
SMD inductor\_6x6  
SMD inductor\_8x8  
semiconductor package  
machine press processing  
injection molding

## Production

electricity, Japan, 2014FY  
electricity, Thailand, IEA, 2011  
energy, town gas 13A combustion  
industrial water  
tap water

## Distribution

truck transportation, 15t truck, loading ratio default  
ship transportation, container ship >4kTEU  
truck transportation, 10t truck, loading ratio default

## Use & maintenance

electricity, United States, IEA, 2011  
ordinary steel cold rolled steel sheet and strips  
stainless steels and heat resisting steels, 4 digit  
aluminium sheet for general use  
felt and bonded fabrics  
low density polyethylene  
polypropylene  
polystyrene  
expanded polystyrene (EPS)  
polycarbonate  
polyacetal  
acrylonitrile butadiene styrene resin  
methacrylic resin  
polyethylene terephthalate  
polyurethane, flexible  
polystyrene, shock resistance  
miscellaneous plastic  
corrugated board box  
information paper  
ferric oxide (red oxide)  
semiconductor package  
machine press processing  
Injection molding  
electricity, Japan, 2014FY  
energy, town gas 13A combustion  
industrial water  
tap water  
truck transportation, 10t truck, loading ratio default  
truck transportation, 15t truck, loading ratio default  
ship transportation, container ship >4kTEU  
incineration, domestic waste, waste plastics  
incineration, domestic waste, waste paper  
landfill, domestic waste  
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)  
truck transportation, 2t truck, loading ratio default

## End-of-Life

truck transportation, 2t truck, loading ratio default  
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)  
incineration, domestic waste  
incineration, domestic waste, waste plastics  
incineration, domestic waste, waste paper  
landfill, domestic waste  
electricity, United States, IEA, 2011