



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20069E-A

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization
2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan
<https://ecoleaf-label.jp/>



Multifunction Color Laser Printer
Xerox AltaLink C8155

Fuji Xerox Co., Ltd.

Functional unit

Per unit of product

System boundary

- final products intermediate products
- Material - Product - Distribution - use - Disposition

Main specifications of the product

Model name: Xerox AltaLink C8155

- Color MFD (EP Type)
- Print Speed Color 55ppm
- Monochrome 55ppm(A4 LEF)
- Maximum Paper Size SRA3 (320x450mm)
- Capable of Print /Copy/Scan/FAX
- Automatic Duplex Printing

Company Information

Fuji Xerox Co., Ltd.

<https://www.fujixerox.co.jp/>

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Registration#	JR-AI-20069E-A
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	7/7/2020
Verification date	1/8/2021
Verification method	System certificaion
Verification#	2020-FX-EL-012-A
Expiration date	1/7/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

Third party verifier*

Kenichi Asakawa

Independent verification of data & declaration in accordance with ISO14025

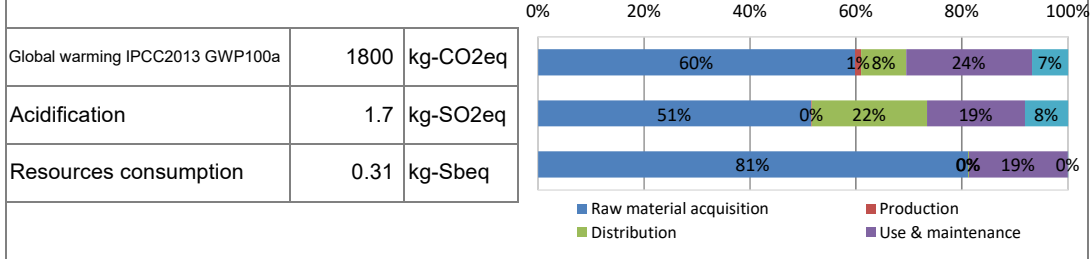
internal external

*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 ₂ eq	1.8E+03	1.1E+03	2.1E+01	1.5E+02	4.3E+02	1.2E+02
Acidification		kg-SO ₂ eq	1.7E+00	8.6E-01	2.2E-03	3.6E-01	3.1E-01	1.4E-01
Resources consumption		kg-Sbeq	3.1E-01	2.5E-01	3.3E-05	6.4E-04	5.7E-02	1.9E-04

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	1.3E+02	kg
Renewable material resources	3.5E+02	kg

3. Material composition

Material	Value	Unit
Steel	6.2E+01	kg
Plastic	4.2E+01	kg
SUS	1.0E+01	kg
Conversion parts	6.9E+00	kg
Circuit Board	5.5E+00	kg
Glass	1.9E+00	kg
Aluminium	8.3E-01	kg
Other metal	3.6E-01	kg
Rubber	1.6E-01	kg
Others	4.7E+00	kg

5. Additional explanation

- Product destination: North America
- Calculated by the standard Scenario for MFP (EP type).
- Printing paper is excluded from the use and maintenance stage.
- Electric power in the use and maintenance stage is evaluated using TEC value according to International ENERGY STAR program Version3.0 and the public electric-power-consumption-rate in the United States.
- Print volume is assumed 451,200 sheets.
 $1/4 \times 32(\text{job/day}) \times 47(\text{sheets}) \times 5\text{days} \times 4\text{weeks} \times 12\text{month} \times 5\text{years} = 451,200$



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6-1. Supplementary environmental information

ENERGY STAR® Ver.3.0 qualified.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3 and registered data v1.07 of Ecoleaf Environmental Labeling Program are used.

Basic units used to calculate this product are listed in Appendix.

8. Remarks

Revised on February 5th, 2021:

Re-verification was conducted due to change of a basic unit adopted for two items quantification.

Revised on March 9th, 2021:

Appendix is added, listing all the basic units used to calculate this product.

- 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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Appendix

The following list indicates all the basic units used to conduct LCA on this product.

Raw material acquisition

acrylonitrile butadiene styrene resin
polyamide resin
aluminium sheet for general use
polyimide
polyacetal
polyethylene terephthalate
polycarbonate
electrogalvanized steel sheet
ordinary steel cold rolled steel sheet and strips
rolled and drawn copper products
stainless steels and heat resisting steels, 4 digit
synthetic rubbers (including synthetic latex), 4 digit
denatured polyphenylene oxide
polypropylene
anisotropic barium ferrite magnet, wet process
polyurethane, flexible
polystyrene
polyethylene, high density (HDPE)
polyphenylene sulfide
iron and steel products which are not elsewhere classified
miscellaneous industrial plastic products
low density polyethylene
plate glass, 4 digit
optical glass materials (including ones for glasses)
laminated springs
wire springs
bolts and nuts
wood screws, machine screws and set screws
midium motor
assembled circuit board
telecommunication cable
radial ball bearing, except ones for bearing units
unsaturated polyester resin
injection molding
machine press processing
aluminium pipe
polyamide resin
polyimide
radial ball bearing, except ones for bearing units
machine press processing
stainless steels and heat resisting steels, 4 digit
laminated springs
polypropylene
polyurethane, flexible
iron and steel products which are not elsewhere classified
polyethylene terephthalate
wood screws, machine screws and set screws
telecommunication cable
anisotropic barium ferrite magnet, wet process
acrylonitrile butadiene styrene resin
denatured polyphenylene oxide
activated carbon
acrylonitrile-styrene resin
polyethylene, high density (HDPE)
unsaturated polyester resin
carbon black
silica gel
paraffin
cyclic intermediates, synthetic dyes and organic pigments, 4 digit
ferric oxide
titanium oxide
electricity, Japan, 2014FY
energy, liquefied petroleum gas (LPG) combustion
aluminium pipe
energy, town gas 13A combustion
corrugated board box
packaging material, steel band etc.
boards less than 7.5cm depth of minimum cross section, with more than 4 times width larger than depth

Production

electricity, PR of China, IEA, 2011
electricity, Japan, 2014FY
truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU

Distribution

truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU
truck transportation, 2t truck, loading ratio default
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)

Use & Maintenance

truck transportation, 2t truck, loading ratio default
volume reduction of used paper container, bale
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)
electricity, United States, IEA, 2011
polystyrene
polyethylene, high density (HDPE)
low density polyethylene
corrugated board box
Injection molding
acrylonitrile butadiene styrene resin
polycarbonate
polyethylene terephthalate
polyacetal
polypropylene
stainless steels and heat resisting steels, 4 digit
laminated springs
synthetic rubbers (including synthetic latex), 4 digit
wire springs
telecommunication cable
electrogalvanized steel sheet
polyurethane, flexible
wood screws, machine screws and set screws
radial ball bearing, except ones for bearing units
medium motor
machine press processing
denatured polyphenylene oxide
activated carbon
acrylonitrile-styrene resin
low density polyethylene
corrugated board box
electricity, PR of China, IEA, 2011
polypropylene
assembled circuit board
paper and machine-made Japanese paper, 4 digit
unsaturated polyester resin
carbon black
silica gel
paraffin
cyclic intermediates, synthetic dyes and organic pigments, 4 digit
ferric oxide (red oxide)
titanium oxide
electricity, Japan, 2014FY
energy, liquefied petroleum gas (LPG) combustion
denatured polyphenylene oxide
polyurethane, flexible
aluminium pipe
stainless steels and heat resisting steels, 4 digit
ordinary steel cold rolled steel sheet and strips
polyethylene terephthalate
radial ball bearing, except ones for bearing units
wood screws, machine screws and set screws
machine press processing
energy, town gas 13A combustion
electricity, PR of China, IEA, 2011
polystyrene
boards less than 7.5cm depth of minimum cross section, with more than 4 times width larger than depth

flexible plastic film for packaging, less than 0.2mm thickness
truck transportation, 2t truck, loading ratio default
truck transportation, 10t truck, loading ratio default
ship transportation, container ship <4kTEU
rail transportation, freight
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)
volume reduction of used paper container, bale
incineration, industrial waste, waste plastics
incineration, industrial waste

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, industrial waste, waste plastics
incineration, industrial waste

For the further details of the source of the basic unit, refer to the below list posted by Ecoleaf Environmental Labelling Program at:
https://ecoleaf-label.jp/entry/application_form.html#FB-01