



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20091E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

**TOSHIBA**

Toshiba Tec Corporation

Multifunctional Digital Color Systems

**e-STUDIO330AC**



### 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: e-STUDIO330AC

- Digital Color MFD (EP Type)
- Print speed: Color 35ppm (LT Vertical feed)  
Monochrome 35ppm (LT Vertical feed)
- Maximum paper size: LT
- Automatic duplex printing,  
Dual scan document feeding

### Company Information

Toshiba Tec Corporation

Engineering Planning Group

Engineering Planning Dept.

TEL: +81-55-976-7011

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

Registration#	JR-AI-20091E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	8/31/2020
Verification date	8/25/2020
Verification method	Product-by-product
Verification#	JV-AI-20091
Expiration date	8/24/2025
<b>PCR review was conducted by:</b>	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

### Third party verifier\*

Tetsuya Okuyama

Independent verification of data & declaration in accordance with ISO14025

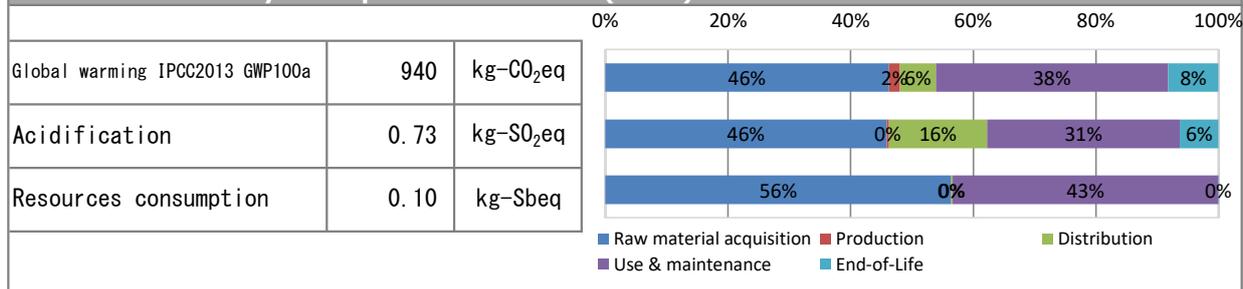
internal       external

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

Registration number : JR-AI-20091E



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	9.4E+02	4.4E+02	1.7E+01	5.5E+01	3.6E+02	7.7E+01
Acidification		kg-SO <sub>2</sub> eq	7.3E-01	3.3E-01	2.5E-03	1.2E-01	2.3E-01	4.6E-02
Resources consumption		kg-Sbeq	1.0E-01	5.9E-02	4.0E-05	2.3E-04	4.5E-02	3.1E-05

2. Life cycle inventory analysis (LCI)

Parameter	Value	Unit
Non-renewable material resources	4.2E+01	kg
Non-renewable energy resources	1.5E+04	MJ
Renewable material resources	1.2E+02	kg
Renewable primary energy	2.8E+02	MJ

3. Material composition

Material	Value	Unit
Ordinary steel	2.1E+01	kg
SUS	1.4E+00	kg
Other metals	1.2E+00	kg
Aluminium	3.5E-01	kg
Glass	1.5E+00	kg
Thermoplastic resin	2.3E+01	kg
Thermosetting resin	5.2E-02	kg
Rubber	1.4E-01	kg
Paper	5.7E+00	kg
Wood	5.7E+00	kg
Circuit Board	2.4E+00	kg
Medium-sized motor	2.2E+00	kg

5. Additional explanation

- Product destination: North America
- Calculation method of use stage (scenario)
  - Expected usage period: five years
  - Estimated number of use: 182,400 sheets\*
  - Print measuring method (pattern): ISO/IEC 19798
  - Inventory of the print paper is not included
- Products selected in the scenario used for Inventory calculation
  - Multifunction device (EP type)
- 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 182,400 sheets.  
 (32 jobs/day) x (19 sheets/job) x (1/4) x 5days x 4weeks x 5 years = 182,400 sheets



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20091E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

#### 6-1. Supplementary environmental information

- This product is produced in our ISO 14001 certified factories.
- ENERGY STAR® Ver.3.0 qualified.
- EU RoHS compliant.

#### 7. Assumptions of secondary data used

- Inventory Database: IDEA v2.1.3 and registered data v1.08 of Ecoleaf Environmental Labeling Program 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/>)

Registration number : JR-AI-20091E