



**SHARP**

Sharp Corporation

DIGITAL MULTIFUNCTIONAL SYSTEM

**BP-51M31 (US)**

EXIT TRAY CABINET is optional,  
its impact is not included.

### 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 : BP-51M31  
Marking technologies : Electrophotographic Printer (EP)  
Print speed : Monochrome 31prints/minute (A4)  
Maximum Paper Size : A3W  
Print/Copy/Scan : Standard  
Duplex printing/ADF : Standard

### Company Information

SHARP CORPORATION  
Smart Business Solutions BU  
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Registration#	JR-AI-25325E
PCR number	PA-590000-AI-08
PCR name	Imaging input and/or output equipment
Publication date	14 November 2025
Verification date	30 October 2025
Verification method	System certification
Verification#	FV-08-25052
Expiration date	29 October 2030
<b>PCR review was conducted by:</b>	
Approval date	01 September 2023
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

### Third party verifier\*

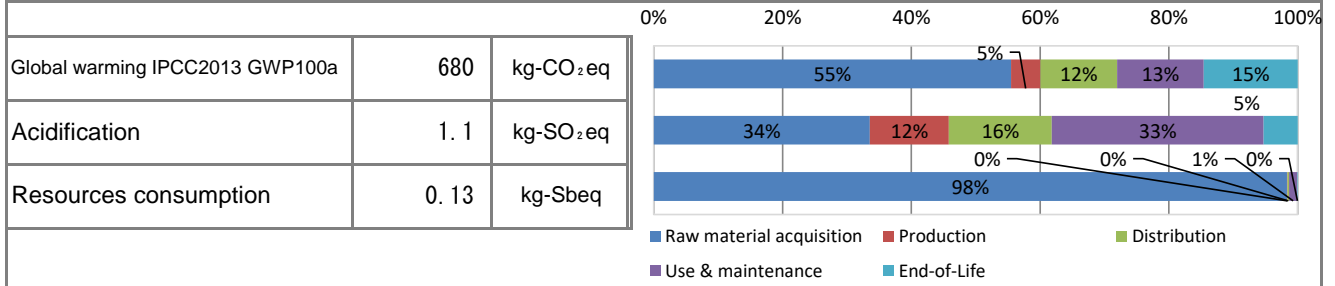
Shouko Hashizume

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)



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO <sub>2</sub> eq	6.8E+02	3.8E+02	3.1E+01	8.1E+01	9.2E+01	1.0E+02
Acidification		kg-SO <sub>2</sub> eq	1.1E+00	3.6E-01	1.3E-01	1.7E-01	3.5E-01	5.6E-02
Resources consumption		kg-Sbeq	1.3E-01	1.3E-01	1.1E-04	3.4E-04	1.6E-03	1.1E-04

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

Parameter	Unit
Non-renewable material resources	5.8E+01 kg
Renewable material resources	8.7E+01 kg

### 3. Material composition

Material	Unit
Steel	2.4E+01 kg
SUS	1.2E+00 kg
Aluminium	1.4E-01 kg
Other metal	1.7E-01 kg
Plastic	2.8E+01 kg
Rubber	1.2E-01 kg
Glass	1.7E+00 kg
Paper · Wood	1.5E+01 kg
Circuit Board	1.5E+00 kg
Others	5.5E+00 kg

### 5. Additional explanation

- Product destination: North America
  - Calculation method of use stage (scenario)
    - Expected usage period: five years
    - Estimated number of use : 139,500 sheets  
 $31 \text{ (Jobs/Day)} \times 15 \text{ (Sheets/Job)} \div 4 \times 5 \text{ (Days/Week)} \times 4 \text{ (Weeks/Month)} \times 12 \text{ (Months/Year)} \times 5 \text{ (Years)}$   
 $= 139,500 \text{ sheets}$
  - The impact of paper for printing is not included.
  - Products selected in the scenario used for inventory calculation : Multifunction device (EP)
- ※ Calculated according to the ENERGY STAR® Ver.3.0 program.

### 6-1. Supplementary environmental information

- Assembly and production of this product, as well as production of the photoconductor and toner, which are the main components, are performed at ISO 14001-certified factories.

### 7. Assumptions of secondary data used

IDEA v3.1.0 and Japan EPD Program by SuMPO Registry data v1.15

### 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/>)
- This is a selfdeclared translation of EPD that can be accessed at <https://ecoleaf-label.jp/epd/2571> and is published for convenience purposes. Only the original EPD is valid and binding between parties.