Sumpo Sumpo EPD VERIFIED Type III Environmental Declaration (EPD)

Registration number : JR-AI-24644E

## Japan EPD Program by SuMPO Sustainable Management Promotion Organization 14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan https://ecoleaf-label.jp/



# SHARP

Sharp Corporation DIGITAL MULTIFUNCTIONAL SYSTEM

# **BP-B547WD** (EU)

# **Functional unit**

Per unit of product

## System boundary

■ final products □ intermediate products Raw material acquision, Production, Distribution, Use & maintenance, End-of-Life

## Main specifications of the product

Model name : BP-B547WD Marking technologies : Electrophotographic Printer (EP) Print speed :Monochrome 47prints/minute (A4)

Maximum Paper Size : A4 Print/Copy/Scan/Fax : Standard Duplex printing/ADF : Standard **Company Information** SHARP CORPORATION Smart Business Solutions BU

E-mail :ECOLEAF-BS@sharp.co.jp

Registration#	JR-AI-24644E			
PCR number	PA-590000-AI-08			
PCR name	Imaging input and/or output equipment			
Publication date	24 March 2025			
Verification date	07 March 2025			
Verification method	System certificaion			
Verification#	FV-08-25001			
<b>Expiration date</b>	3/6/2030			
PCR review was conducted by:				
Approval date 01 September 2023				
PCR review	Masayuki Kanzaki			
panel chair	Sustainable Management Promotion Organization			
Third party verifier*				
Shouko Hashizume				
Independent verification of data & declaration in				
accordance with ISO14025				

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

external

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□internal

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1. Results of life cycle im	pact asse	ssment (L	.CIA)				
			0%	20% 4	.0% 60	0% 80%	6 100 <sup>4</sup>
Global warming IPCC2013 GWP100a	630	kq-CO2eq			۲ 1%		
Global warming IPCC2013 GWP100a	030	kg-COzeq		53%	4%	33%	8%
Acidification	0, 45	kg-SO2eq	-	61%	0% ¬	7% 26%	6%
	0.40			01/0		0%0% -	ο% 0% η
Resources consumption	0.26 ka-Sbea	kg-Sbeq			83%		17%
		3	Raw materia		Production	Distrib	ution
			Use & mainte	•	End-of-Life	Distric	ution
Parameter	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a	kg-CO₂eq	6.3E+02	3.4E+02	6.2E+00	2.7E+01	2.1E+02	4.9E+01
Acidification	kg-SO <sub>2</sub> eq	4.5E-01	2.7E-01	1.4E-03	3.0E-02	1.2E-01	2.8E-02
Resources consumption	kg-Sbeg	2.6E-01	2.1E-01	2.5E-05	1.1E-04	4.4E-02	4.1E-05

2. Life cycle inventory analysis (LCI)					
Parameter		Unit			
Non-renewable material resources	2.6E+01	kg			
Renewable material resources	6.2E+01	kg			

3. Material composition				
Material		Unit		
Steel	8.3E+00	kg		
SUS	2.9E-01	kg		
Aluminium	1.1E-01	kg		
Other metal	2.3E-01	kg		
Plastic	1.8E+01	kg		
Rubber	1.6E-02	kg		
Glass	9.1E-01	kg		
Paper · Wood	3.2E+00	kg		
Circuit Board	2.1E+00	kg		
Others	2.0E+00	kg		

5. Additional explanation

Product destination: Europe

• Calculation method of use stage (scenario)

• Expected usage period: five years

Estimated number of use : 326,400 sheets

32 (Jobs/Day) × 34 (Sheets/Job)  $\div$  4 × 5 (Days/Week) × 4 (Weeks/Month) × 12 (Months/Year) × 5 (Years) = 326,400 sheets

 $\cdot$  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  $\ensuremath{\mathbb{R}}$  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 v2.1.3 and Japan EPD Program by SuMPO Registry data v1.18

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/)