

Registration number : JR-AI-26144E

Results of life cycle impact assessment (LCIA)						
		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global Warming Potential total (GWP-total)	kg-CO ₂ eq	8.22E+02	3.62E+01	4.68E+01	2.13E+02	1.27E+02
Ozone layer destruction	kg-CFC-11eq	7.42E-05	5.13E-08	9.39E-08	3.84E-05	6.56E-07
Eutrophication	kg-PO ₄ ³⁻ eq	1.80E-02	2.03E-06	1.41E-05	7.33E-03	9.22E-05
Acidification	kg-SO ₂ eq	8.02E-01	2.58E-01	2.96E-02	2.18E-01	8.60E-02
Photochemical ozone	kg-C ₂ H ₄ eq	2.06E-02	1.62E-05	2.90E-04	4.61E-03	7.98E-04
ADP elements	kg-Sbeq	1.07E-01	1.55E-05	8.00E-06	8.20E-02	5.25E-05

Life cycle inventory analysis (LCI)						
Indicators describing use of primary resources						
		Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
RPR _E	MJ	1.62E+03	7.55E+01	1.40E+01	1.05E+03	9.86E+01
RPR _M	MJ	2.13E+02	4.25E-03	1.43E-03	5.85E+00	1.37E-02
NRPR _E	MJ	1.21E+04	4.13E+02	5.27E+02	4.10E+03	5.90E+02
NRPR _M	MJ	1.85E+03	3.40E-01	4.86E-02	9.16E+02	3.57E-01

Additional explanation	
• Production destination : Japan • Calculation method of use stage (Calculated by the standard scenario for MFP (EP type)) - Expected usage period : five years - Estimated number of sheets used : 297,600 - The impact of printing paper is not included - The impact of expendables and Maintenance parts are included in the stage of Use&maintenance. ※ Conformed to the International ENERGY STAR® Ver3.2 Program • The results of the environmental impact assessment are presented as relative figures only. These figures should not be interpreted as definitive indicators of environmental impact based solely on their magnitude. Additionally, the calculated figures do not directly reflect the specific extent of environmental impact, environmental safety (e.g., whether thresholds are exceeded), or risk assessment (e.g., the degree of impact on the environment or human health).	

Supplementary environmental information	
• ENERGY STAR® Ver.3.2 qualified • The assembly of this product and the production of its main components are carried out at an ISO14001 certified factory.	

Material composition		
Material		Unit
Steel	6.4E+01	kg
SUS	6.8E-01	kg
Al	9.1E-01	kg
Other metals	3.2E+00	kg
Glass	2.1E+00	kg
Thermoplastics resin	4.3E+01	kg
Wood	8.0E+00	kg
Paper	1.3E+01	kg
Rubber	5.8E-01	kg
Assembled circuit board	3.7E+00	kg
Medium-sized motor	6.7E+00	kg

Regulated hazardous substances		
Substance	CAS No.	Reference to standards or regulations

Assumptions of secondary data used	
IDEA v3.4, registered data v1.16 of Japan EPD Program by SuMPO are used.	

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/>)
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