

Product Environmental Aspects Declaration



EP and IJ printer (PCR-ID:AD-04)

No. AD-18-E1090
Date of publication
9/25/2018



ECOSYS M3660idn

<http://www.kyoceradocumentsolutions.co.jp/> Making Technology: Electrophotographic Printer (EP)
 Printing Speed: Monochrome 60 Pages per minute in A4
 Maximum printing paper: A4
 Duplex function: Standard

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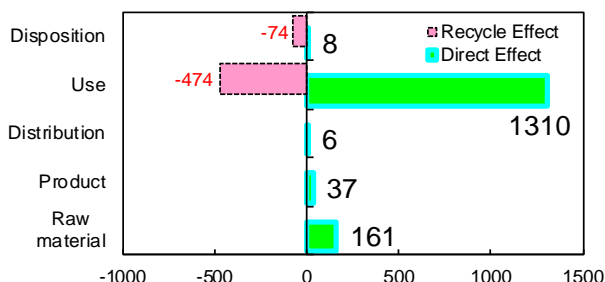


【The Environmental load for life-cycle】

Consumption and discharge in a life cycle□	All the stage sum totals□
Global Warming (CO ₂ equivalent)	1522kg (974kg)
Acidification (SO ₂ equivalent)	2.32kg (1.42kg)
Energy resources (crude oil equivalent)	31.772MJ (21,789MJ)

※Figures in () indicated environmental impact including recycle effect *note3

Warming load CO₂ equivalent of each stage[kg]



Use stage: Printing Mono 2160000
 A4 sheets in 5 years.
 The environmental load of sheet in "Use" stage is not included in above data.

Notes:

1. Original LCA data is available on PEIDS: Product Environmental Information Declaration Sheet, and Product Data Sheet.
2. Unified rules and requirements for EcoLeaf LCA, for intended product category, are available as a PCR: Product Specification Criteria. Visit EcoLeaf website under JEMAI homepage at http://www.jemai.or.jp/ecoleaf_e/ for details.
3. Recycle Effect illustrates an indirect influence to other products/services.
4. Basic Units used for calculations are based on Japan domestic data at this time, due to a lack of base data to establish localized Basic Unit for overseas locations adequately.
5. This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.

【Supplemental environmental information】

- Conformed to the International ENERGY STAR® Program.
- Manufactured at ISO14001 certified factories.
- Plastic housing and outer package: halogenated flame retardants are not

PCR review was conducted by : PCR Deliberation Committee, January 01, 2008, Name of representative : Youji Uchiyama, Independent verification of the declaration and data, according to ISO14025:2006 □ internal ■ external
 Third party verifier: < name of the third party verifier * > Hiroo Sakazaki

Programme operator: Japan Environmental Management Association for Industry, ecoleaf@jemai.or.jp

* In the case of an business entity certified as an Ecoleaf-data-collection system, the names of certification auditors are written.
 The EcoLeaf is an environmental labeling program that belongs to the ISO-Type III category.

Product data sheet

(Input data and parameters for LCA)



Document control no.	F-03s-02
Product vendor	KYOCERA Document Solutions Inc.
EcoLEAF registration no.	AD-18-E1090

PCR name	EP & IP Printer(PCR-ID:AD-04)	Product type	ECOSYS M3660idn				
LCA/LCIA in units of:	1 Unit	Product weight (kg)	29.12	Package (kg)	7.14	Weight total (kg)	36.26

1. Product information (per unit): parts etc. by material and by process/assembly method

Product	Breakdown of primary materials				Math breakdown of parts, which need to apply Processing / Assembly Base Units (Parts B, C)			
	Material name	Weight (kg)	Material name	Weight (kg)	Process name	Weight (kg)	Process name	Weight (kg)
	Carbon steel(kg)	7.91E+00	Paper (kg)	7.03E+00	Press molding:Iron (kg)	8.17E+00	Parts assembly (kg)	3.62E+01
SUS (kg)	2.65E-01	Assembled circuit board (kg)	1.42E+00	Press molding:Nonferrous metal (kg)	3.37E+00			
Cu (kg)	3.23E+00	Medium-sized motor (kg)	1.23E+00	Injection molding (kg)	1.39E+01			
Al (kg)	2.27E-01			Blow molding (kg)	6.15E-02			
Glass (kg)	1.00E+00			Glass molding (kg)	1.00E+00			
Thermoplastics resin (kg)	1.38E+01							
thermosetting resin (kg)	1.34E-01							
Rubber (kg)	2.38E-02							
Subtotal	2.66E+01	Subtotal	9.67E+00					
Total		Subtotal	3.63E+01	Subtotal	2.65E+01	Subtotal	3.62E+01	

Note

2. Production site information (per unit): Consumption and discharge/emission for production/processing/assembly within the site.

SOx and NOx should be indicated in SO₂, NO₂ equivalent.

Consumption	Classification	Energy	Material	Energy	Energy				
	Distribution	Electricity (kWh)	Industrial water (kg)	Heavy oil as fuel (kg)	Gasoline as fuel (kg)				
	Quantity	4.40E+01	2.83E+02	4.04E-01	7.85E-03				
Note									
Emission/Discharge	Classification	Water system	Atmosphere						
	Distribution	BOD	CH4						
	Quantity	3.70E-04	1.53E-02						
Note									

Note

3. Distribution stage information (per unit): means, distance, loading ratio, consumptions and emissions/discharges.

Distribution	Means of transportation	Diesel truck:10 ton (kg·km)	Diesel truck:10 ton (kg·km)	Diesel truck:10 ton (kg·km)	Diesel truck:10 ton (kg·km)	Freight by ship (kg·km)	Freight by ship (kg·km)	Freight by ship (kg·km)	Freight by ship (kg·km)
	Conditions	Mass(kg)	Distance (km)	Loading Ratio(%)	Load(kg·km)	Mass(kg)	Distance (km)	Loading Ratio(%)	Load(kg·km)
	Quantity	3.63E+01	1.00E+02	5.55E+01	6.53E+03	3.63E+01	2.60E+03	1.00E+02	9.43E+04
Note									

Note

4. Use stage (per unit): use condition (mode, term) including active mode, standby mode and maintenance.

4.1 Product and accessories subject to this analysis

Product	Classification	Process	Consumption	Consumption	Process	Process	Process	Process	Process
	Distribution	Diesel truck:2 ton (kg·km)	Electricity (kWh)	Industrial water (kg)	Injection molding (kg)	Blow molding (kg)	Parts assembly (kg)	Press molding:Iron (kg)	Press molding:Nonferrous metal (kg)
	Quantity	4.82E+04	1.09E+03	4.80E+02	3.43E+01	7.01E-02	3.46E+02	6.74E+00	9.70E-01
Note									
Product	Classification	Process	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Glass molding (kg)	Carbon steel(kg)	SUS (kg)	Cu (kg)	Al (kg)	Glass (kg)	Thermoplastics resin (kg)	thermosetting resin (kg)
	Quantity	1.86E-01	6.24E+00	4.97E-01	6.23E-02	9.08E-01	1.86E-01	9.30E+01	3.42E-01
Note									
Product	Classification	Consumption	Consumption	Consumption					
	Distribution	Rubber (kg)	Paper (kg)	Assembled circuit board (kg)					
	Quantity	7.76E-02	3.04E+02	3.99E-01					
Note									

Note

4.2 Disposition/Recycle information on consumables and replacement parts

Consumables	Classification	Process	Process	Process	Process	Process	Process	Process	Deduction
	Distribution	Shredding (kg)	Recycle to copper plate (kg)	Recycle to Thermoplastic pellet (kg)	Recycle to corrugated cardboard (kg)	Recycle to cold-rolled steel (kg)	Recycle to Aluminum plate (kg)	Recycle to Glass (kg)	Carbon steel(kg)
	Quantity	3.46E+02	4.61E-01	3.40E+01	3.04E+02	6.74E+00	9.08E-01	1.86E-01	6.24E+00
Note									
Consumables	Classification	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction	Deduction
	Distribution	SUS (kg)	Cu (kg)	Al (kg)	Glass (kg)	Thermoplastics resin (kg)	Paper (kg)		
	Quantity	4.97E-01	4.61E-01	9.08E-01	1.86E-01	3.40E+01	3.04E+02		
Note									

Note

5. Disposition/Recycle stage information (per product): process method and scenarios

Scenario	Classification	Process	Process	Process	Consumption	Process	Process	Process	Process
	Distribution	Diesel truck:10 ton (kg·km)	Diesel truck:2 ton (kg·km)	Incineration: Industrial waste (kg)	Electricity (kWh)	Shredding (kg)	Recycle to cold-rolled steel (kg)	Recycle to copper plate (kg)	Recycle to Aluminum plate (kg)
	Quantity	2.61E+03	4.24E+04	5.64E-01	4.40E-01	3.61E+01	8.17E+00	5.88E+00	2.27E-01
Note									
Scenario	Classification	Process	Process	Process	Deduction	Deduction	Deduction	Deduction	Deduction
	Distribution	Recycle to Thermoplastic pellet (kg)	Recycle to corrugated cardboard (kg)	Recycle to Glass (kg)	Carbon steel(kg)	SUS (kg)	Cu (kg)	Al (kg)	Glass (kg)
	Quantity	1.38E+01	7.03E+00	1.00E+00	7.91E+00	2.65E-01	5.88E+00	2.27E-01	1.00E+00
Note									
Scenario	Classification	Deduction	Deduction						
	Distribution	Thermoplastics resin (kg)	Paper (kg)						
	Quantity	1.38E+01	7.03E+00						
Note									

Note

6. Others

This declaration was produced using Product Category Rule intended for a product model sold in the Japanese market and using the qualitative and quantitative data collected in Japan.