

## ecma 🖉 IT-Företagen

## Company environmental profile - THE ECO DECLARATION

Brand	RICOH	Logo
Company name *	RICOH Company Ltd.	-
Contact information	Ricoh Europe Plc 20 Triton Street, London NW1 3BF, United Kingdom emo@ricoh-europe.com	nashua <u>tec</u>
Internet site *	www.ricoh.com	
Issue date *	20 September 2011	
Intended market *	🗌 Global 🔀 Europe 🗌 Asia, Pacific & Japan 🗌 Americas	Other
Additional information		

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Quality	control	Requireme	ent met
Item		Yes	No
QC1 *	The company enforces an internal quality control system to ensure the correctness of this eco declaration	$\boxtimes$	
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control.	$\square$	

Compan	y environmental profile - Legal requirements	Require	ement	t met
Item		Yes	No	n.a.
C1	Product recycling			
C1.1*	The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required (2002/96/EC WEEE directive).			
C2	Battery recycling			
C2.1*	The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (2006/66/EC Battery and accumulators Directive) or pays eco tax / fee where required.			
C3	Packaging recycling			
C3.1*	The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (2004/12/EC Directive on packaging and packaging waste)			

Compa	ny environmental profile - Market requirements	Requir	emen	t met
Item		Yes	No	n.a.
C4	Environmental policy and environmental management			
C4.1*	The company has a documented environmental policy approved by the management.	$\boxtimes$		
C4.2*	The company has an environmental management system covering: Product development Manufacturing If so certified according to: ISO 14001 Other as specified in C6	$\boxtimes$		
C4.3	The company regularly publishes an environmental report. If so, it meets the recommendations of 🛛 The Global Reporting Initiative 🗌 Other as specified in C6	$\boxtimes$		
C5	Recycling			
C5.1*	Information about the product, battery & packaging take back system (C1, C2, C3) is available in printed or electronic format.	$\square$		
C6	Additional information			

## Product environmental attributes – THE ECO DECLARATION

	used on product specification or test results based obtained from sample testing), that the product ts given in this declaration.
Type of product *	Printer
Commercial name *	SP C242DN
Model number *	Aficio SP C242DN
Issue date *	20 September 2011

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Model number *	Aficio SP C242DN		
Issue date *	20 September 2011	Logo	nashua <u>tec</u>

Product	environmental attributes - Legal requirements	Requir	emen	t met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations	N 7	_	
P1.1*	Products do not contain lead max 0.1%, cadmium max 0.01%, mercury max 0.1%, hexavalent chromium max 0.1%, polybrominated biphenyls (PBB) max 0.1% and polybrominated diphenyl ethers (PBDE) max 0,1% (2002/95/EC ROHS Directive) see note B1			
P1.2*	Products do not contain Asbestos (REACH, Annex XVII). Comment: Legal reference has no maximum concentration value.	$\boxtimes$		
P1.3*	1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- trichloroethane, methyl bromide ( <i>Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000)</i> . Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain polychlorinated biphenyl (PCB) max 0.005% by weight, polychlorinated terphenyl (PCT) max 0.005% by weight ( <i>REACH, Annex XVII</i> ).	$\boxtimes$		
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP max 0.1% ( <i>Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002</i> ).			
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2, 3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) ( <i>REACH, Annex XVII</i> ). Comment: Legal reference has no maximum concentration values.			
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colorants that split aromatic amines max 0.003% by weight ( <i>REACH, Annex XVII and Note B1</i> ).			$\square$
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives ( <i>REACH, Annex XVII</i> ). Comment: Legal reference has no maximum concentration values.			$\square$
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm2/week ( <i>REACH, Annex XVII</i> ). Comment: Max limit in legal reference when tested according to EN1811:1998.	$\square$		
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact) (REACH Regulation 1907/2006, Annex VII)	$\boxtimes$		
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual (2006/66/EC Battery and accumulators Directive).			
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium (2006/66/EC Battery and accumulators Directive).			
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable" (2006/66/EC Battery and accumulators Directive).			
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (2006/95/EC Low Voltage Directive).			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (2004/108/EEC New EMC Directive).	$\square$		
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (1999/5/EC (R&TTE Directive).	$\square$		
P3.4*	The product is labeled to show conformance with applicable legal requirements (2006/66/EC Battery and accumulators Directive, 2006/95/EC Low Voltage Directive, 2004/108/EEC New EMC Directive, 1999/5/EC R&TTE Directive, 2002/96/EC WEEE directive)			
P4	Consumable materials	N		
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (2002/95/EC ROHS Directive).			
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (REACH, Annex XVII).			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS/MSDS) in accordance with these requirements (EC No. 1272/2008 regulation on classification, labeling and packaging CLP, REACH article 31, annex II).			
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain lead, mercury, cadmium and hexavalent chromium max 0.01% by weight of this together (2004/12/EC Directive on packaging and packaging waste).			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (97/129/EC Commission Decision on Identification System for Packaging Materials).			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (2037/2000/EC Regulation on Substances that Deplete the Ozone Layer). Comment: Legal reference has no maximum concentration values.			

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %

Model nu Issue dat		Aficio SP C242DN 20 September 2011				
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Item		nmental attributes - Market requirements - Environmental conscious itory to fill in. Additional information regarding each item may be found under P14.	uesign	Require Yes	No	n.a.
P6		nt information		100		
P6.1*	Informati	on for recyclers/treatment facilities is available (2002/96/EC WEEE directive).				
P7	Design Disasse	mbly, recycling				
P7.1*	Parts that	t have to be treated separately are easily separable		$\square$		
P7.2*	Plastic m	aterials in covers/housing have no surface coating.			Ē	Ē
P7.3*		arts >100g consist of one material or of easily separable materials.			Ħ	Ħ
P7.4*	Plastic pa	arts >25g have material codes according to ISO 11469 referring ISO 1043.			Ē	Ē
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly a	available tools.		Ħ	Ħ
P7.6*		re easily separable. (This requirement does not apply to safety/regulatory labels).			H	H
_	Product					
P7.7*		g can be done e.g. with processor, memory, cards or drives		$\square$		
P7.8*		g can be done using commonly available tools			Ē	Ē
P7.9.		rts are available after end of production for: 7 years			П	Ħ
P7.10		s available after end of production for: 7 years			Ħ	Ħ
		and substance requirements				
P7.11*		cover/housing material type:				
		type: PC + ABS Material type: PC + PS Materia	al type:			
P7.12		cable insulation material of power cables are PVC free.				
P7.13		cable insulation materials of signal cables are PVC free.		$\square$		
P7.14		/housing plastic parts >25g are free from chlorine and bromine.		$\boxtimes$		
P7.15	note B2)	d circuit boards (without components) >25g are halogen free, as defined in IEC612	249-2-21 (see	$\square$		
P7.16	Marking:	tarded plastic parts >25g in covers / housings are marked according ISO 1043-4: <i>FR</i> (40)		$\square$		
P7.17		I specifications of flame retardants in printed circuit boards >25g (without compone additive) , TBBPA (reactive) , Other; chemical name: ,	ents): CAS #:			
	ISO 1043	I specifications of flame retardants in printed circuit boards (without components) > 3-4: <i>FR (17)</i>	25g according	$\boxtimes$		
P7.18	concentr	tarded plastic parts >25g contain the following flame retardant substances/prepara ations above 0.1%: t: No legal limits exist, this is a market requirement.	tions in			
	2. Chemi 3. Chemi	ical name:,CAS #:ical name:,CAS #:ical name:,CAS #:				
	FR (40)	I specifications of flame retardants in plastic parts >25g according ISO 1043-4:				
P7.19	R40, R40 regulatio	arts>25g are free from flame retardant substances/preparations above 0.1% classi 6, R48, R50, R51, R53, R60, R61 and any combination of these (see note B3)(EC n on classification, labeling and packaging CLP)	No. 1272/2008			
P7.20		lastic parts' weight >25g, recycled material content is 0% [pls see P14 for addition	al information]			
P7.21 P7.22		Ilastic parts' weight >25g, biobased material content is 0%. Inces are free from mercury				
F1.22	If mercur	y is used specify: Number of lamps: and max. mercury content per lamp:	mg	$\square$		
P8	Batteries	6				
P8.1*		hemical composition (2006/66/EC Battery and accumulators Directive): No battery				$\boxtimes$
P8.2		meet the requirements of the following voluntary program/s: <i>European eco-label</i> (2001/687/EC & 2001/686/EC)	(EU Flower)			$\square$

Note B2: IEC61249-2-21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

Model number *	Aficio SP C242DN		
Issue date *	20 September 2011	Logo	nashua <u>tec</u>

Produc	t environmenta	l attribu	tes - Market requi	rements (c	ontinu	ied)			Re	quire	ment	met
Item			•			-				Yes	No	n.a.
P9												
9.1	For the product t	he followi				nave been	measured:					-
Energy r	mode *		Power level at 100 V AC	Power level 115 V A		Power le <sup>x</sup> 230 V		Referenc modes ar	e / Standard nd test metho	for ene	ergy	
Maximu	P9         Energy consumption           9.1         For the product the folk           Energy mode *         Maximum Energy Consumption           Operating Mode         Ready Mode           Off/Sleep Mode         Off/Sleep Mode           EPS No-load         (External power supply / charger plugged in the wall outlet but disconnected from the product.)           PTEC *         Typical Energy Consumption           TEC *         Typical Energy Consumption           ETEC *         Annual Energy Consumption           Display resolution * : dpi         Print Speed * : 20 pages per m           Default time to enter energy save         P9.2*           P9.3*         The product meets the ENERGY STAR® vers Others specify:           P10         Emissions           Noise emission – Dec         P10.1		VV	W		<b>1300</b> W	1					
Operati	Item P9 Energy consumption 9.1 For the product the foll Energy mode * Maximum Energy Consumptio Operating Mode Ready Mode Off/Sleep Mode EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) PTEC * Typical Energy Consumption TEC * Typical Energy Consumption ETEC * Annual Energy Consumption Display resolution * : dpi Print Speed * : 20 pages per n Default time to enter energy save P9.2* Information about the e ENERGY STAR® vers Others specify: P10 Emissions Noise emission – Dee P10.1 Mode Mode		VV	W		379.5 V	V					
Ready I	Mode		VV	W		77.6 W	1					
Off/Slee	ep Mode		VV	W		7.4 W						
			VV	W		,	W					
			VV	W		١	N					
(Externa plugged disconne	I power supply / ch in the wall outlet b	ut	W	W								
Typical E	Energy Consumption	on	W									$\boxtimes$
Typical E	Energy Consumption	on	kWh/week	kWh	/week	3.054 kW	/h/week					
	Energy Consumption	on	kWh/year	kWh	/year	146.592	kWh/year					
												$\square$
-		-										<u>Ц</u>
	-	-		rovidod with t	the proc	luot						<u> </u>
-							2/0:					
	ENERGY STAR Others specify:					ry program	1/3.					
P10			· · · · · · · · · · · · · · · · · · ·									
P10.1			-	290	A-we	eighted	sour		-	(dB)		
							De	esktop	(only if p	roduct	is not	
	Idle	* Stand-	by		* 4.2				33.7			
	Operation	* Operat	ting Mode		* 6.6				56.8			
	Other mode											
	Measured accord	ding to: 📐	ISO7779 🗌 ECMA	-74								
D40.0	The survey doubt use a s							urement di	stance	m)		
P10.2			·	ents of the fo	liowing	voluntary	program/s:					
P10.3*				-C 28260) at	andard	othor		117				
P10.4	Typical emission Dust (monochror	rate (prin ne: <limit< td=""><td>t phase) is (mg/h): of detection colour</td><td>: <b>0.85</b>) Ozon</td><td>e (monc</td><td>ochrome: &lt;</td><td>limit of det</td><td>ection col</td><td>our: &lt;<i>limit o</i> ochrome: 3.2</td><td>f detec 2 colou</td><td>tion) Ir: 4.4)</td><td></td></limit<>	t phase) is (mg/h): of detection colour	: <b>0.85</b> ) Ozon	e (monc	ochrome: <	limit of det	ection col	our: < <i>limit o</i> ochrome: 3.2	f detec 2 colou	tion) Ir: 4.4)	
P10.5	ximum Energy Consumption       W       W       1300 W         perating Mode       W       W       379 5 W         addy Mode       W       W       77.6 W         side Mode       W       W       77.6 W         Sileop Mode       W       W       77.6 W         Sileop Mode       W       W       W         W       W       W       W         Sileop Mode       KWhiveek       KWhiveek       Sileop Mode         Cill - formation about the energy save mode. 10.1 minutes       Sileop Mode       Sileop Mode         Sileop Sileop Sileop       Sileop Mode       Sileop Mode       Sileop Mode         O Emission       Declare											
P10.6				v froquency:	aloctrom	agnotic fic	lde of the fe	llowing yel	untan/			
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Model number *	Aficio SP C242DN		
Issue date *	20 September 2011	Logo	nashuatec

tem	· · · ·			met
244		Yes	No	n.a
7 I I	Consumable materials for printing products			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	$\boxtimes$		
	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN12281.	$\boxtimes$		
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	$\boxtimes$		
P12	Ergonomics for computing products			
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.			$\times$
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.			
P13	Packaging and documentation			
	Product packaging material type(s): Corrugated Paper       weight (kg): 3.48         Product packaging material type(s): Plastic       weight (kg): 0.511         Product packaging material type(s):       weight (kg): 0.511			
P13.2*	Product plastic packaging is free from PVC	$\boxtimes$		
	Specify media for user and product documentation (tick box): Electronic Z Paper Z Other _			
	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber. %			$\boxtimes$
P14	Additional information			