



Product environmental attributes – THE ECO DECLARATION

Brand *	Hewlett-Packard	Logo
Company name * Hewlett-Packard Company		
Contact information *	Hans Wendschlag http://www.hp.com/hpinfo/globalcitizenship/environment/contactemail.html	(h)) [®]
Internet site *	http://www.hp.com/hpinfo/globalcitizenship/environment/	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.				
Type of product *	Business Desktop PC			
Commercial name *	dc5850 Small Form Factor Business Desktop PC			
Model number *	dc5850 SFF			
Issue date *	May 2008			
Intended market *	🔀 Global 🗌 Europe 🔲 Japan 🔛 U.S. 🗌 Other			
Additional information				

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The declaration may be published only when all rows and/or fields marked with a * are filled-in (n.a. for not applicable).

Quality Control			nt met
Item	Additional information regarding each item may be found under P14.	Yes	No
QC1 *	The company enforces an internal quality control scheme 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 such as organized by IT-Företagen (see http://www.itforetagen.se).	\bowtie	

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Product e	environmental attributes - Legal requirements	equiren	nent	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) as specified in <i>EU 2002/95/EC and its amendments</i>			
P1.2*	Products do not contain Asbestos (EU 76/769/EEC, amendment 1999/77/EC)	\bowtie		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (<i>EU</i> : <i>Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000</i>)			
P1.4*	Products do not contain polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), (EU 76/769/EEC)	\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 as specified in <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>EU 76/769/EEC</i>)	-		
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colourants that split aromatic amines as specified in EU 76/769/EEC, amendment 2003/3/EC			
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (<i>EU 76/769/EEC</i>)			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations higher than specified in 76/769/EEC, amendment 94/27/EEC			
P2	Batteries			
P2.1*	If hazardous batteries (as defined in 91/157/EEC) are used in the product they are easily removable and labelled with the disposal and the substance logo (as defined in 91/157/EEC, 93/86/EEC)			\square
P2.2*	If batteries are used in the product they do not contain mercury in concentrations higher than specified in 91/157/EEC	\square		
P2.3*	If batteries are permanently installed in the product, information on the environmentally hazardous substances and safe removal method is listed in the user manual (91/157/EEC)			
P3	Electrical safety, EMC and connection to the telephone network			
P3.1*	The product meets the Low Voltage Directive (LVD) regarding electrical safety (73/23/EEC & 93/68/EEC)	\boxtimes		
P3.2*	The product meets the EMC Directive regarding electromagnetic compatibility (89/336/EEC / 2004/108/EEC after June, 20 th 2007			
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EL R&TTE Directive (1999/5/EC)	J 🖂		
P3.4*	The product is CE-marked and a Declaration of Conformity is available (93/68/EEC)	\boxtimes		
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in (76/769/EEC and 91/338/EEC)			
P4.2*	If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in (76/769/EEC and 91/338/EEC)			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to EU Directive 1999/45/EC, and a amended, the product/packaging is labelled and a Material Safety Data Sheet (MSDS) in accordance with (99/45/EC & 2001/58/EC) is available.	S		
P5	Product packaging			
P5.1*	The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packagin or packaging components does not exceed 0,01% by weight (94/62/EC).	g 🔀		
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043.(97/129/EEC)	\boxtimes		
P5.3*	The product packaging material is free from CFC/HCFC.	\square		
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities (e.g. as requested by 2002/96/EC) is available.	\square		

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Product	environmental at	tributes - Market requ	irements - Environmental conscious design	Requirem	nent	met
Item	*=mandatory to	fill in. Additional inform	nation regarding each item may be found under P14.	Yes	No	n.a.
P7	Design, Disass	embly, recycling				
P7.1*	Parts that have t	o be treated separately	y are easily separable	\boxtimes		
P7.2*	Plastic materials	\boxtimes				
P7.3*	Plastic parts >10	00g consist of one mate	erial or of easily separable materials.	\boxtimes		
P7.4*	Plastic parts >25	\square				
P7.5		-	or have inlays that can be removed with commonly available tools.		$\overline{\Box}$	一一
P7.6*			irement does not apply to safety/regulatory labels).		Ħ	Ħ
	Product lifetime					
P7.7*	Upgrading can b	e done e.g. with proce	ssor, memory, cards or drives	\square		
P7.8*		e done using common	-		$\overline{\Box}$	一
P7.9.		available after end of p	-			一一
P7.10		ble after end of produc				H
		bstance requirement				
P7.11*		ousing material type:	-			
	Material type: Al	BS	Material type: Material type:			
P7.12*	Electrical cable i	nsulation material of po	ower cables are halogen free (including PVC)		\boxtimes	
P7.13*	Electrical cable i	nsulation material of si	gnal cables are halogen free (including PVC)		\boxtimes	
P7.14	All cover/housing	g plastic parts >25g are	e halogen free	\boxtimes		
P7.15	All printed circuit	t boards (without comp	onents) >25g are halogen free			$\overline{\Box}$
P7.16			ants in cover / housing plastic parts >25g according ISO 1043-4:			
P7.17	Chemical specifi 1043-4: TBBP-A		ants in printed circuit boards (without components) >25g according	ISO		
P7.18		ed material in plastic pa	arts is 0			
P7.19	Plastic parts >25		retardant substances/preparations above 0.1% classified as R45/46	,		
P7.20	Light sources are	e free from mercury ed specify: Number of la	amps: and max. mercury content per lamp: mg			
P8	Batteries					
P8.1*	Product does no	t contain batteries defi	ned as hazardous according to 91/157/EEC	\boxtimes		
P8.2*			Battery chemical composition: Lithium			
P8.3	Batteries meet th	ne requirements of the	following voluntary program/s:			
P9	Energy consum	nption				
9.1	For the product t	the following power lev	els or energy consumptions have been measured:			
Mode	Power level at * Volts	Time (s) to <mode></mode>	Mode description	Reference/ Standard		n.a.
On-max	W		*	*		
On- normal	* W	to	*	*		
On-idle	W	to	*	*		
Save 1	* W	to	*	*		
Save 2	W	to	*	*		Ē
Off 1	* W	to	*	*		〒
Off 2	W	to	*	*		Ħ
No load	* W		External power supplies/charger plugged in but disconnected from the product	*		
TEC	* k\\/h/v	I Typical Energy Consur		*		
P9.2*		51 85	tion is provided with the product.			
P9.3	ENERGY STAR	0, 1	nents of the following voluntary program/s: U (Version 5.0)			

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Product	environmental at	tributes - Market requirements (continue	d)	Re	quirement met	
Item	* = mandatory to	o fill in. Additional information regarding eac	h item may be fou	nd under P14.	Yes No n.a	
P10	Emissions	D. I. I. I. I. 100 0000				
P10.1	Noise emission Mode	n – Declared according to ISO 9296 Mode description	Declared A-weighted sound power level L _{WAd} (B)	Desktop (only if pro	(dB) er positions oduct is not r attended)	
	Idle	* Fans on, HDD spinning (if applicable)	* 3.9	29		
	Operation	* Fans on, HDD spinning	* 3.9	29		
	Other mode					
	Measured accor	ding to: ISO 7779 ECMA-74	d bv ECMA-74 witl	h L _{pAm} measurement distance	m)	
P10.2	The product me	ets the acoustic noise requirements of the fo				
	Chemical emiss	sions from printing products				
P10.3*	Test performed	according to ECMA-328 standard, other	specify:			
	The test covers:	Dust Ozone Styrene	Benzene	e 🗌 TVOC 🗌		
P10.4	The product me	ets the chemical emission requirements of t	he following volunt	tary program/s:		
	Electromagneti	ic emissions				
P10.5	Computer displa program/s:	ay meets the requirement for low frequency	electromagnetic fie	elds of the following voluntary		
P11	Consumable m	aterials for printing products				
P11.1*	A Material Safet P4.3).	y Data Sheet (MSDS) is available for the inl	<td>n, even if not legally required (see</td> <td></td>	n, even if not legally required (see		
P11.2*	Paper containing	g recycled fibres that meets the requirement	ts of EN12281 can	be used.		
P11.3*	2-sided (duplex)	printing/copying is an integrated product fu	nction.			
P12	Ergonomics for	r computing products				
P12.1*		ystem meets the ergonomic requirements of 06-2 for flat panel displays.	f EN 29241-3, -7, -	8 for CRT displays		
P12.2*	The product key	board meets the requirements of ISO 9995	and EN 29241-4.			
P12.3*	The computer in	put device meets the requirements of ISO S	9241-9.			
P13	Packaging and	documentation				
P13.1*	Product packagi	ng material type(s): Corrugated / paper ing material type(s): EPE Foam ing material type(s): LDPE Bag	weight (kg): 1 weight (kg): 0 weight (kg): 0).138		
P13.2*	Product plastic p	backaging is halogen free (including PVC)				
P13.3*	User and product documentation do not contain chlorine bleached paper					
P13.4*	User and produc	ct documentation contain recycled paper			\boxtimes \Box \Box	

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P9 Energy co	nsumption				
9.1 For the pro	duct the following powe	er levels or energy cons	sumptions have been mea	sured:	
Power Consumption Mode Description	Power Consumption AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	Power Consumption AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	Power Consumption AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	Default Time Settings to Enter Energy Saving Mode	Reference Standard (test method)
On-Idle (ENERGY STAR [®] Idle (S0))	47.049W	46.986W	46.870W	Not Applicable	ENERGY STAR [®] Program Requirements for Computers: Ver. 4.0
ENERGY STAR [®] "Sleep" (S3) (WOL enabled)	2.7446W	2.7575W	;2.9882W	30 minutes (system unit)	ENERGY STAR [®] Program Requirements for Computers: Ver. 4.0
ENERGY STAR [®] "Standby" (Off) (S5) (WOL disabled)	0.9938W	1.0150W	1.2470W	Not Applicable	ENERGY STAR [®] Program Requirements for Computers: Ver. 4.0
	l information				•
			declaration is valid as of t on may invalidate some inf		is published. Changes to
P9 1. Energy marked STAR® efficience 2. For m markets 3. Energy model m extra ha 4. Powe disabled	gy efficiency data listed with the ENERGY STA specifications for compre- cy data listed is for a typ ore information about H segments and product of gy Efficiency information neeting ENERGY STAR rd disks or graphic carc r consumption in the O d.	is for an ENERGY STA R [®] Logo are compliant uters. If a model family pically configured mode HP's ENERGY STAR [®] (categories for more info apublished on the ECN secifications if offer s etc, these can chang ff / Apparent Off mode	R [®] compliant product if of with the applicable U.S. E does not offer ENERGY l. qualified products, go to h rmation. IA 370 The Eco Declaration ed within the model family the the energy efficiency dations is measured and reported	ffered within the model invironmental Protectio STAR [®] compliant config p.com: http://www.hp.c on represents a typicall r. If optional componen ata listed above. with the network interfa	family . HP computers n Agency (EPA) ENERGY gurations, then energy com/ and select the applicable y configured product base ts or modules are added, like ace controller (NIC) WOL
P10 1. Acou only. If	stic noise information p	ving parts are added, lik			onfigured product base mode. these can change acoustic

NOTE:

Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the [Enter] key.