

Product environmental attributes - THE ECO DECLARATION

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

Additional information regarding each item may be found under P14.

Brand *	ThinkCentre	Logo
Company name *	Lenovo	
Contact information *	Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5J3 Morrisville, North Carolina 27560 alcarter @lenovo.com	lenovo
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment	.html
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 *	Personal Computer				
Commercial name *	ThinkCentre M75e				
Model number *	Tower: 4162, 5041, 5044, 5051, 5053, 5055, 5057, 5059, 5061, 5063, 5065; SFF: 4163, 5042, 5046, 5052, 5054, 5056, 5058, 5060, 5062, 5064, 5066				
Issue date *	2010.09.01				
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other				
Additional information	ENERGY STAR® 5.0 Qualified; EPEAT Gold Rating, GREENGUARD Certification				

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

Quality	Quality Control R				
Item		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 www.itecodeclaration.org).	ol 🔀			

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Issue date *	2010.09.01	Logo	lenovo		

Product	oduct environmental attributes - Legal requirements			t met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			-
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)			
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	\boxtimes		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	\square		
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-			
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.4*	Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference).			
P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	\boxtimes		
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS),			X
	Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.7*	Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split			X
	aromatic amines. (See legal reference and Note B1)			
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as			\boxtimes
	pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values.			
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5		$\overline{}$	$\overline{}$
1 1.5	microgram/cm²/week (see legal reference).		ш	ш
	Comment: Max limit in legal reference when tested according to EN1811:1998.			
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	\boxtimes		
	http://www.lenovo.com/social_responsibility/us/en/ThinkGreen_products.html#environment	_		_
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains	\boxtimes		
	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. (See legal reference)			
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or	\square		
1 2.2	accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)		ш	ш
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the	\square		
	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". (See legal reference)			
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	\boxtimes		
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	\boxtimes		
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 (see legal reference).	\boxtimes		
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	\boxtimes		
P4	Consumable materials			_
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note B1).			\boxtimes
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			\square
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the	-	H	
1 1.0	product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).	Ш		
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium and hexavalent chromium by weight of these together.			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\square		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal		\dashv	\dashv
3.3	Protocol (see legal reference).		Ш	Ш
1	Comment: Legal reference has no maximum concentration values.			

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

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Issue date *	2010.09.01	Logo	lenovo		

Produc	t environmental attributes - Market requirements - Environmental conscious design	equire	ment	met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).		Ш	Ш
P7	Design Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable		$\overline{\Box}$	П
P7.2*	Plastic materials in covers/housing have no surface coating.			
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.	X		
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.		+	H
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.		∺	Ħ
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\square	∺	\blacksquare
17.0	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives			П
P7.8*	Upgrading can be done using commonly available tools	X	Ħ	Ħ
P7.9.	Spare parts are available after end of production for: 5 years			Ħ
P7.10	Service is available after end of production for: 5 years			Ħ
	Material and substance requirements			
P7.11*	Product cover/housing material type:			
	Material type: ABS Material type: PC/ABS Material type: Steel			
P7.12	Electrical cable insulation materials of power cables are PVC free.			
P7.13	Electrical cable insulation materials of signal cables are PVC free		\boxtimes	
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.	\boxtimes		
P7.15	All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2)			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:	\boxtimes		
P7.17	Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #:			
	Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>Brominated Epoxy Resin See P14</i>			
P7.18	Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%:			
	Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier:			
	3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4:			
P7.19	Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)			
P7.20	Of total plastic parts' weight >25g, recycled material content is 36%(Tower), 37%(SFF)			
P7.21	Of total plastic parts' weight >25g, biobased material content is 0% .			
P7.22	Light sources are free from mercury			
P8	Batteries Pottory showing composition: Lithium Mangango Diavide			
P8.1*	Battery chemical composition: <i>Lithium Manganese Dioxide</i>			
P8.2	Batteries meet the requirements of the following voluntary program/s:			\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.

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Product environmen	roduct environmental attributes - Market requirements (continued) Requirement me							
Item	em Yes							
•								
	Positive product the following power levels or energy consumptions are reported: See P14 The product is shipped w/ WOL Enabled.							
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference / Standard for energy modes and test method *				
Category D	Category D							
Idle State - WOL Enable	ed 50.46w	49.92w	49.79w	Use for Energy Star V5 registration(Pidle)				
Sleep (S3) - WOL Enab	ed 2.35w	2.24w	2.51w	Use for Energy Star V5 registration(P _{sleep})	$\overline{\Box}$			
Off (S5) - WOL Enabled	0.83w	0.57w	0.84w	Use for Energy Star V5 registration(Poff)				
Peak (On-max)	143.83w	139.49w	142.85w	Full load				
Category C	•	•						
Idle State - WOL Enable	ed 48.09w	47.55w	47.42w	Use for Energy Star V5 registration(P _{idle})				
Sleep (S3) - WOL Enable	ed 2.11w	2.11w	2.31w	Use for Energy Star V5 registration(P _{sleep})				
Off (S5) - WOL Enabled	0.59w	0.57w	0.84w	Use for Energy Star V5 registration(Poff)				
Peak (On-max)	141.75w	142.55w	140.17w	Full load				
Category B								
Idle State - WOL Enable	ed 49.39w	48.85w	49.06w	Use for Energy Star V5 registration(P _{idle})				
Sleep (S3) - WOL Enable	ed 2.35w	2.11w	2.51w	Use for Energy Star V5 registration(P _{sleep})				
Off (S5) - WOL Enabled	0.59w	0.57w	0.84w	Use for Energy Star V5 registration(Poff)				
Peak (On-max)	134.94w	138.85w	139.16w	Full load				
Category A								
Idle State - WOL Enable	ed NA	NA	NA	Use for Energy Star V5 registration(P _{idle})				
Sleep (S3) - WOL Enable	ed NA	NA	NA	Use for Energy Star V5 registration(P _{sleep})				
Off (S5) - WOL Enabled	NA	NA	NA	Use for Energy Star V5 registration(Poff)				
Peak (On-max)	NA	NA	NA	Full load				
EPS No-load (External power supply / charger plugged in the w outlet but disconnected f		W	W					
TEC Typical Energy Consump	kWh/week	kWh/week	kWh/week					
ETEC * Annual Energy Consump	Cat D: 181.8; Cat C: 172.3; Cat B: 176.9; kWh/year	Cat D: 178.6; Cat C: 170.3; Cat B: 174.8; kWh/year	Cat D: 179.6; Cat C: 171.2; Cat B: 177.1; kWh/year	$E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.1 + P_{idle} \times 0.3)$				
	P _{off} : Off Mode(S5) -	WOL Enabled; P _{sleep} :	Sleep Mode(S3) - WO	L Enabled; P _{idle} : Idle State - WOL Enabled				
Display resolution : Megapixels								
Print Speed :	Images per minu	te						
Default time to enter ene	rgy save mode: 25 minute	S						
P9.2* Information a	bout the energy save fund	ction is provided with	the product.					
ENERGY ST	P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: Others specify:							

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P10	Emissions						
		n – Declared according to ISO 9296					
P10.1	Mode	Mode description	Declared	Declared A-weig	•		
			A-weighted	sound pressure level	L_{pAm} (dB)		
			sound power	Operator position V BV	stander posi	itions	
			level L_{WAd} (B)	operator position 2	otaliaol pool		
				Desktop 🔀 (onl	y if product i	s not	
					perator atter		
	Idle	* HDD: Idle	* Tower 3.8;	Tower 28;		,	
		SFF 3.6 SFF 28					
	Operation * HDD: Operating * Tower 4.0; Tower 30;						
		The second secon	SFF 3.8	SFF 30			ш
	Other mode						
	Measured according to: ISO7779 ECMA-74						
	ivieasured acco	· -		th. I			
D40.0	<u></u>		•	th L _{pAm} measurement distance	e m)		
P10.2	<u> </u>	eets the acoustic noise requirements of the		program/s:		Ш	
Product	environmental	l attributes - Market requirements (co	ontinued)		Require	ment	met
Item					Yes	No	n.a.
	Chemical emis	ssions from printing products					
P10.3*	Test performed	according to ECMA-328 (ISO/IEC 28360) s	standard 🔲, other	specify:			\boxtimes
P10.4	Typical emissio	on rate (print phase) is (mg/h):					X
	Dust	Ozone Styrene Be	nzene TV0	OC .			
P10.5	Chemical emiss	sion requirements of the following voluntary	program/s	are met for :			X
	Dust	Ozone Styrene	Benzene	TVOC			
	Electromagnet	tic emissions					
P10.6	Computer displ	ay meets the requirement for low frequency	electromagnetic fie	elds of the following voluntary	\boxtimes		
	program/s:						
P11		naterials for printing products					
P11.1*	A Safety Data S	Sheet (SDS) is available for the ink/toner pre	eparation, even if n	ot legally required (see P4.3).			\boxtimes
P11.2*	EN12281.	ng post-consumer recycled fibers can be		at it meets the requirements	of		
P11.3*	2-sided (duplex	() printing/copying is an integrated product for	unction.				\boxtimes
P12	Ergonomics fo	or computing products					
P12.1*	The display me	ets the ergonomic requirements of ISO 924	1-307 for visual dis	play technologies.			
P12.2*	The physical in	put device meets the requirements of ISO 9	995 and ISO 9241-	410.	M N	Ħ	Ħ
P13	<u> </u>	d documentation					
P13.1*		ging material type(s): Corrugated paper w	eight (kg): Tower 1	.12 SFF 0.835			
			eight (kg): Tower (
			eight (kg):SFF 0.28	7			
P13.2*	Product plastic	packaging is free from PVC.					
P13.3*	Specify media f	for user and product documentation (tick bo	x):				
	Electronic X,	Paper , Other					
P13.4*		and product documentation, please specify	contained percenta	age of post-consumer recycled	b		
	fiber: 0% (Jap	an only 70%)					
P14	Additional info	ormation (See Note B4)					
		er makes no representations, guarantees, a					
		stained in this document. All information provided the state of the st					
		ilable at the time of completion, and supplie s approximate and provided for informationa					on
	information.	s approximate and provided for informations	ai puiposes oniy. S	se a Lenovo Account Represe	mauve for II	iore	
P7.17		not contain free TBBPA in printed circuit	t boards(without c	omponents)>25a.			
P9		tar Qualified Computers for the latest info	•				
-	http://www.energystar.gov/index.cfm?fuseaction=find a product.ShowProductGroup&pgw code=CO						

Note B4: 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.

Legal references Europe Annex B

Reference	Declaration item
2002/95/EC (ROHS Directive)	P1.1, P4.1
REACH, Annex XVII	P1.6, P1.8, P4.2
REACH, Annex XVII	P1.4
REACH, Annex XVII	P1.2
REACH, Annex XVII	P1.7
REACH, Annex XVII	P1.9
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000	P1.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
2006/66/EC (Battery and accumulators Directive)	P2.1, P2.2, P2,3, P3.4, P8.1
2006/95/EC (Low Voltage Directive)	P3.1, 3.4
2004/108/EEC (New EMC Directive)	P3.2, 3.4
1999/5/EC (R&TTE Directive)	P3.3, 3.4
"REACH" Regulation (1907/2006), annex VII	P1.10
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P4.3
REACH article 31, annex II	P4.3
2004/12/EC (Directive on packaging and packaging waste)	P5.1
(97/129/EC) (Commission Decision on Identification System for Packaging Materials	P5.2
2037/2000/EC Regulation on Substances that Deplete the Ozone Layer	P5.3
2002/96/EC (WEEE directive)	P3.4, P6.1
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P7.19