

## 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 *	ThinkPad	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 *	www.pc.ibm.com/ww/lenovo/about/environment	
Additional information		

	ased on product specification or test results based obtained from sample testing), that the product to given in this declaration.			
Type of product *	Notebook PC			
Commercial name *	ThinkPad Edge E420s			
Model number *	4401			
Issue date *	2011, March 24			
Intended market *	🔀 Global 📃 Europe 📃 Asia, Pacific & Japan 📃 Americas 🗌 Other			
Additional information	ENERGY STAR® Qualified; EPEAT GOLD Rating*; GREENGUARD Certified			

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

Quality Control F			Requirement met	
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 contro such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀		

Model nu	umber *	ThinkPad Edge E420s M/T:4401			
Issue da	ite *	2011, March 24 Logo	lene	DVC	
Product	t environ	mental attributes - Legal requirements	Require	ment	met
Item			Yes	No	n.a
P1	Hazardo	ous substances and preparations			
P1.1*	Products 0.1% po	s do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium lybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal e and Note B1)	ı, 🔀		
P1.2*	Products	s do not contain Asbestos (see legal reference). t: Legal reference has no maximum concentration value.			
P1.3*	Products hydrobro trichloro	s do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), omofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1- ethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum ration values.			
P1.4*	Products	s do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated /l (PCT) in preparations (see legal reference).	$\boxtimes$		
P1.5*	Products	s do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the ntaining at least 48% per mass of chlorine in the SCCP (see legal reference).	e 🛛		
P1.6*	Textile a Tris-(azi	nd leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), ridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). nt: Legal reference has no maximum concentration values.			$\boxtimes$
P1.7*		nd leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split camines. (See legal reference and Note B1)			$\times$
P1.8*	pentach	parts do not contain arsenic and chromium as a wood preservation treatment as well as lorophenol and derivatives (see legal reference). ht: Legal reference has no maximum concentration values.			$\boxtimes$
P1.9*	Parts wi microgra	th direct and prolonged skin contact do not release nickel in concentrations above 0.5 am/cm²/week (see legal reference). nt: 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): ww.lenovo.com/social_responsibility/us/en/environment.html			
P2	Batterie	S		•	
P2.1*	more tha marked	oduct contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains an 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is I in user manual. (See legal reference)			
P2.2*		ells used in the product do not contain more than 2% by weight of mercury. Other batteries or ators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference)	$\boxtimes$		
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". (See legal reference)				
P3		EMC connection to the telephone network and labeling			
P3.1*	The proc	duct complies with legally required safety standards as specified (see legal reference).	$\boxtimes$		
P3.2*	The proc	duct complies with legally required standards for electromagnetic compatibility (see legal reference)	).		
P3.3*	If produc	t is intended for connection to a public telecom network or contains a radio transmitter, it complies ally required standards for radio and telecommunication devices (see legal reference).			
P3.4*		duct is labeled to show conformance with applicable legal requirements (see legal reference).	$\boxtimes$		
P4	Consun	nable materials			
P4.1*	If a phot	o conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see erence and Note B1).			
P4.2*	If ink/tor	er is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			$\mathbf{X}$
P4.3*	product/	/toner formulation/preparation is classified as hazardous according to applicable regulations, the packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these nents is available (see legal reference).			
P5		packaging			
P5.1*		ng and packaging components do not contain more than 0.01% lead, mercury, cadmium an ent chromium by weight of these together.	d 🔀		
P5.2*	Plastic p	ackaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	$\boxtimes$		
P5.3*	The pro Protocol	duct packaging material is free from ozone depleting substances as specified in the Montrea (see legal reference). nt: Legal reference has no maximum concentration values.			

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

Issue dat						
Issue date *		2011, March 24 Logo	lend	lenovo		
Product	environ	mental attributes - Market requirements - Environmental conscious design	Require	ment	me	
tem		tory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a	
P6		nt information				
P6.1*	Informati	on for recyclers/treatment facilities is available (see legal reference).	$\boxtimes$			
P7	Design					
P7.1*		mbly, recycling t have to be treated separately are easily separable			_	
P7.2*		aterials in covers/housing have no surface coating.			╞	
P7.3*		arts >100g consist of one material or of easily separable materials.			+	
P7.4*		arts >25g have material codes according to ISO 11469 referring ISO 1043.		╶╞╡	╞	
P7.5		arts are free from metal inlays or have inlays that can be removed with commonly available tools.		╶╞┽	╞	
P7.6*	-	re easily separable. (This requirement does not apply to safety/regulatory labels).		╶┝┥		
17.0	Product			<u> </u>		
P7.7*		g can be done e.g. with processor, memory, cards or drives			_	
P7.8*	. 2	g can be done using commonly available tools		⊢⊢	+	
P7.9.					╞	
P7.10		Ints are available after end of production for: 5 years				
7.10		s available after end of production for: 5 years and substance requirements				
P7.11*		cover/housing material type:				
		type: PC+ABS Material type: PC Material type: PPS				
P7.12		cable insulation materials of power cables are PVC free.		$\square$		
P7.13	Electrica	cable insulation materials of signal cables are PVC free	<u> </u>		Ē	
P7.14	All cover/housing plastic parts >25g are free from chlorine and bromine.				F	
P7.15		d circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (Se	ee 🔀	H	╞	
	Note B2)					
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4:					
P7.17	TBBPA (	I specifications of flame retardants in printed circuit boards >25g (without components): additive) , TBBPA (reactive) , Other; chemical name: <i>9,10-dihydro-9-oxa-10-</i> aphenanthrene-10-oxide, CAS #: 35948-25-5				
	ISO 1043	I specifications of flame retardants in printed circuit boards (without components) >25g according 3-4:				
P7.18	concentra	etarded plastic parts >25g contain the following flame retardant substances/preparations ations above 0.1%:	in 🗌			
	Provide a complete 1. Chemi 2. Chemi 3. Chemi Alt. 2	<ul> <li>t: No legal limits exist, this is a market requirement.</li> <li>a list of all used flame retardants including MSDS for each flame retardant. The list must conta chemical name, CAS number and supplier.</li> <li>ical name: , CAS #: , Supplier:</li> <li>ical name: , CAS #: , Supplier:</li> <li>ical name: , CAS #: , Supplier:</li> </ul>	ain 🔀		C	
P7.19	FR(40)	I specifications of flame retardants in plastic parts >25g according ISO 1043-4:				
	R40, R46	6, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)				
P7.20		lastic parts' weight >25g, recycled material content is 0%.				
P7.21 P7.22		Ilastic parts' weight >25g, biobased material content is 0%. Inces are free from mercury			_	
P8	Batteries	s hemical composition: Lithium Ion/Lithium Manganese Dioxide			_	
P8.1*	Ratton/ a					

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.

Issue date         2011, March 24         Loge         Icrosvo           Product environmental attributes - Market requirements (continued)         Requirement more intermediate i	Model number *	Thin	kPad Edge	E420s M/T	:4401			
Item         Yes         No         No           9P         Energy consumption         For the product the following power levels or energy consumptions are reported: See P14 The product is shipped w/WOL Enabled.         Image: See P14 Constraints of the power level at power level at power level at power level at and test method.         Image: See P14 Constraints of the power level at power level power level power level power level power levele power level power levele power	Issue date *					Logo	lenovo	
P3 Energy consumption 9.1 For the product its following power levels or energy consumptions are reported: See P14 The product is shipped wi WOL Enabled Energy mode into V AC i	Product enviro	nmental at	tributes - Market	requirements (co	ontinued)		Requirement	met
9.1         For the product the following power levels or energy consumptions are reported: See P14           The product is shipped w/WOL Enabled.         Image: See P14           Energy mode*         Power level at 100 vAC         Power level at 230 vAC         Power level at 230 vAC           Peak (On-max)         65/90 W         65/90 W         65/90 W         Full load           Category A          65/90 W         65/90 W         Full load           VAC         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(Pau)         [           Skep (S3) - WOL Enabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(Pau)         [           Category B         Category B         1.12 W         1.13 W         1.22 W         Reference         [           Off (S5) - WOL Enabled         0.73 W         7.70 W         7.72 W         Use for ENERGY STAR Registration(Pau)         [           Category B         T.27 W         1.27 W         1.36 W         Use for ENERGY STAR Registration(Pau)         [           Category B         7.70 W         7.72 W         Use for ENERGY STAR Registration(Pau)         [           Category B         7.37 W         7.70 W         7.72 W         Use for ENERGY STAR Registration(Pau)         [	Item						Yes No	n.a.
The product is shipped wi WOL Enabled.         Image: Second								
100         VAC         115         VAC         230         VAC         and test method *         □           Peak (On-max)         65/90 W         65/90 W         65/90 W         Full load         □           Category A         B65/90 W         8.65 W         Use for ENERGY STAR Registration(Paul)         □           Steep (S3)         WOL Enabled         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(Paul)         □           Off (S5)         WOL Disabled         1.12 W         1.13 W         1.28 W         Reference         □           Category B         0.75 W         0.75 W         0.77 W         7.72 W         Use for ENERGY STAR Registration(Paul)         □           Steep (S3)         WOL Enabled         7.37 W         7.70 W         7.72 W         Use for ENERGY STAR Registration(Paul)         □           Steep (S3)         WOL Enabled         1.77 W         1.27 W         1.38 W         Use for ENERGY STAR Registration(Paul)         □           Steep (S3)         WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(Paul)         □           Steep Kolod         0.56 W         0.56 W         0.44 W         Use for ENERGY STAR Registration(Paul)         □	The pr				mptions are reported	d: See P14		
Category A         Category A           Idle State - WOL Enabled         8.37 W         8.43 W         8.65 W         Use for ENERGY STAR Registration(Paul)         [           Steep (S3) - WOL Enabled         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(Paul)         [           Off (S5) - WOL Disabled         1.12 W         1.13 W         1.28 W         Reference         [ <td>Energy mode *</td> <td></td> <td colspan="2"></td> <td></td> <td></td> <td>rd for energy modes</td> <td></td>	Energy mode *						rd for energy modes	
Idle State - WOL Enabled         8.37 W         8.43 W         9.65 W         Use for ENERGY STAR Registration(Pam)           Sileop (S3) - WOL Enabled         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(Pam)           Off (S5) - WOL Enabled         0.92 W         0.33 W         1.02 W         Use for ENERGY STAR Registration(Pam)           Off (S5) - WOL Enabled         0.75 W         0.86 W         Use for ENERGY STAR Registration(Pam)         E           Category B         106 State - WOL Enabled         1.27 W         1.36 W         Use for ENERGY STAR Registration(Pam)         E           Sileop (S3) - WOL Disabled         1.27 W         1.27 W         1.36 W         Use for ENERGY STAR Registration(Pam)         E           Sileop (S3) - WOL Disabled         1.18 W         1.19 W         1.17 W         Reference         E           Off (S5) - WOL Disabled         0.76 W         0.76 W         0.38 W         Use for ENERGY STAR Registration(Pam)         E           CF(S) - WOL Disabled         0.76 W         0.76 W         0.38 W         Use for ENERGY STAR Registration(Pam)         E           CF(S) - WOL Disabled         0.76 W         0.76 W         0.38 W         Use for ENERGY STAR Registration(Pam)         E           Frere *         Annual Energy Consumption <td< td=""><td>Peak (On-max)</td><td></td><td>65/90 W</td><td>65/90 W</td><td>65/90 W</td><td>Full load</td><td></td><td></td></td<>	Peak (On-max)		65/90 W	65/90 W	65/90 W	Full load		
Sleep (S3) - WOL Enabled         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Disabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.75 W         0.86 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         7.37 W         7.70 W         2.72 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         1.27 W         1.26 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         1.78 W         1.97 W         7.70 W         Z.72 W           Sleep (S3) - WOL Enabled         0.96 W         1.04 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Off (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         <	Category A			L	•	•		
Sleep (S3) - WOL Enabled         1.14 W         1.15 W         1.33 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Disabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.75 W         0.86 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         7.37 W         7.70 W         2.72 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         1.27 W         1.26 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Sleep (S3) - WOL Enabled         1.78 W         1.97 W         7.70 W         Z.72 W           Sleep (S3) - WOL Enabled         0.96 W         1.04 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Off (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ann</sub> )           Cft (S5) - WOL Enabled         <	Idle State - WOL	Enabled	8.37 W	8.43 W	8.65 W	Use for ENERGY ST	AR Registration(Pidle)	
Silvep (S3) - WOL Disabled         1.12 W         1.13 W         1.25 W         Reference           Off (S5) - WOL Enabled         0.92 W         0.33 W         1.02 W         Use for ENERGY STAR Registration(P_m)         0           Off (S5) - WOL Enabled         0.75 W         0.75 W         0.86 W         Use for ENERGY STAR Registration(P_m)         0           Category B	Sleep (S3) - WOL	Enabled	1.14 W	1.15 W	1.33 W			
Off (\$\$) - WOL Enabled         0.92 W         0.93 W         1.02 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )           Category B         0.75 W         0.75 W         0.86 W         Use for EUP            Category B         1.02 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )             Steep (\$3) - WOL Enabled         7.37 W         7.70 W         7.72 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )            Steep (\$3) - WOL Enabled         1.78 W         1.19 W         1.17 W         Reference            Off (\$5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )            Steep (\$3) - WOL Disabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )            Off (\$5) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>ed</sub> )            Extence and power supply / charge plugged in the wall         W         0.24 W         0.38 W             Category Discussion         W/week         k/Wh/week         k/Wh/week              Step for Sumption         k/Wh/week         k/Wh/week         k/Wh/week         <			1.12 W	1.13 W	1.25 W			
Off (\$\$) - WOL Disabled         0.75 W         0.75 W         0.86 W         Use for EuP           Category B           Idle State - WOL Enabled         7.37 W         7.70 W         7.72 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Sieep (\$3) - WOL Enabled         1.27 W         1.27 W         1.36 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Sieep (\$3) - WOL Enabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Off (\$5) - WOL Disabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$3) - WOL Disabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$3) - WOL Disabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$3) - WOL Disabled         0.76 W         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$3) - WOL Disabled         0.75 W         0.84 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$20 minutes)         W         0.24 W         0.38 W         Use for ENERGY STAR Registration(P <sub>amp</sub> )           Cities of Size (\$20 minutes)         Pamp: Off Mode(\$5) - WOL Enabled; P							AR Registration(P)	
Category B       Idle State - WOL Enabled       7.37 W       7.70 W       7.72 W       Use for ENERGY STAR Registration(Pamp)         Sileop (S3) - WOL Disabled       1.17 W       1.27 W       1.36 W       Use for ENERGY STAR Registration(Pamp)         Sileop (S3) - WOL Disabled       0.96 W       0.44 W       Use for ENERGY STAR Registration(Pamp)         Off (S5) - WOL Enabled       0.96 W       0.44 W       Use for ENERGY STAR Registration(Pamp)         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for ENERGY STAR Registration(Pamp)         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for EuP       C         Eres No-load       W       0.24 W       0.38 W       Use for EuP       C         Eres Pugged in the wall outlet but disconnected from the product.)       W       0.24 W       0.38 W       C         TEC       Frec *       Annual Energy Consumption       KWh/week       KWh/week       C       C         Pric Off Mode(S5) - WOL Enabled       26.4 kWh/year(B)       26.9 kWh/year(B)       0.1 + Pam x 0.3)       Pamp x (II B State - WOL Enabled)         Display resolution : 1366 x 768 Megapixels       Images per minute       C       C       C         P10 Emission       Images per minute       C       C <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Idle State - WOL Enabled       7.37 W       7.70 W       7.72 W       Use for ENERGY STAR Registration(P <sub>amp</sub> )         Sleep (S3) - WOL Enabled       1.27 W       1.36 W       Use for ENERGY STAR Registration(P <sub>amp</sub> )         Sleep (S3) - WOL Disabled       1.18 W       1.19 W       1.17 W       Reference       Image: Comparison of the state of t		sabled	0.75 VV	0.75 VV	0.86 VV	Use for EuP		
Steep (S3) - WOL Enabled       1.27 W       1.36 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )         Steep (S3) - WOL Disabled       1.18 W       1.19 W       1.17 W       Reference         Off (55) - WOL Enabled       0.96 W       0.96 W       1.04 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )         Charger plugged in the wall       0.24 W       0.38 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )       C         Charger plugged in the wall       0.24 W       0.38 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )       C         Charger plugged in the wall       0.24 W       0.38 W       Use for ENERGY STAR Registration(P <sub>aug</sub> )       C         TEC       Tree       Tree       0.38 W       0.38 W       C       C         Annual Energy Consumption       Z7.8 kWh/year(B)       26.0 kWh/year(B)       29.3 kWh/year(B)       Enc C = (8760/1000) × (P <sub>auf</sub> × 0.6 + P <sub>auge</sub> × 0.6 + P <sub>auge</sub> × 0.6 + P <sub>auge</sub> × 0.3)       P <sub>aug</sub> idle state - WOL Enabled       D         Display resolution       1366 x 768 Megapixels       Enc fill defees + Wolk Enabled ; P <sub>aug</sub> idle state - WOL Enabled       D<		Enabled	7.37W	7 70 W	7 72 W	Use for ENERGY ST	AR Registration(P)	
Sitep (S3) - WOL Disabled         1.18 W         1.19 W         1.17 W         Reference         Image: Construction of the second			-				•	
Off (S5) - WOL Enabled       0.96 W       1.04 W       Use for ENERGY STAR Registration(P <sub>w</sub> )         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for EuP         Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for EuP       Images for EuP         Off (S5) - WOL Disabled       0.76 W       0.24 W       0.38 W       Use for EuP       Images for EuP </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AR Registration(<b>F</b>sleep)</td> <td></td>							AR Registration( <b>F</b> sleep)	
Off (S5) - WOL Disabled       0.76 W       0.75 W       0.84 W       Use for EuP         EPS No-load       W       0.24 W       0.38 W       Image: Construct the product of the product of the product of the product.)       Image: Construct of the product of	,		-	-				
EPS No-load       W       0.24 W       0.38 W       Image Pulgged in the wall outlet but disconnected from the product.)         TEC       TeC       TeC       27.8 kWh/year(A)       28.0 kWh/year(A)       29.3 kWh/year(A)       0.1 + P <sub>site</sub> x 0.5 + P <sub>siteep</sub> x       Image Pulgged in the wall outlet but disconnected from the product.)         TEC       TeC       27.8 kWh/year(A)       28.0 kWh/year(B)       29.3 kWh/year(A)       0.1 + P <sub>site</sub> x 0.5 + P <sub>siteep</sub> x       Image Pulgged in the wall outlet but disconnected from the product.)         TEC       25.5 kWh/year(B)       26.4 kWh/year(B)       29.3 kWh/year(A)       0.1 + P <sub>site</sub> x 0.3)       Image Pulgged in the wall outlet from the tect product from the tect pulgged from the product from the product from the energy save mode: 20 minutes       Images per minute       Images per minute         Default time to enter energy save function is provided with the product.       The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: A, B       Image per thermal Power Supplies Eligibility Criteria Version 2       Image per technologic from technolog					-		AR Registration(Poff)	
(External power supply / charger plugged in the wall outlet but disconnected from the product.)       Image: Sonnected from the product.)       Image: Sonnected from the product.)         TEC Typical Energy Consumption       XWh/week       KWh/week       Ersc. = (8760/1000) x (Poir X 0.6 + Poince X 0.5 + Po		sabled	0.76 W	0.75 W	0.84 W	Use for EuP		
Typical Energy Consumption       kWh/week       kWh/wear(B)       kt	(External power su charger plugged in	the wall	W	0.24 W	<i>0.38</i> W			
Annual Energy Consumption       25.5 kWh/year(B)       26.4 kWh/year(B)       26.9 kWh/year(B)       0.1 + P <sub>kdle</sub> x 0.3)       Images per minute         Display resolution       : 1366 x 768 Megapixels       Images per minute       I	TEC Typical Energy Co	nsumption	kWh/week	kWh/week	kWh/week			
Perf: Off Mode(S5) - WOL Enabled; Peterp: Steep Mode(S3) - WOL Enabled; Peterp: Idle State - WOL Enabled         Display resolution : 1366 x 768 Megapixels         Print Speed : Images per minute         Default time to enter energy save mode: 20 minutes         P9.2" Information about the energy requirements of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: A, B         P10         Emissions         Noise emission - Declared according to ISO 9296         P10.1         Mode       Mode description         Declared A-weighted sound power         Ievel L <sub>WAd</sub> (B)         Operator position & HDD: Idle         * 4.3         Other mode         Measured according to:         X       ISOT779         ECMA-74         Measured according to:         X       ISOT779         ECMA-74         Measured according to:         X       ISOT779         ECMA-74         Measured according to:         X       ISOT779	Etec *		27.8 kWh/year(A)				$x (P_{off} \times 0.6 + P_{sleep} \times 0.6)$	
Display resolution : 1366 x 768 Megapixels       Images per minute         Print Speed : Images per minute       Images per minute         Default time to enter energy save mode: 20 minutes       Images per minute         P9.2*       Information about the energy save function is provided with the product.       Images per minute         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: A, B       Images per minute         P10       Emissions       Images per minute       Images per minute         Noise emission - Declared according to ISO 9296       Declared       A-weighted sound pressure level $L_{pAm}$ (dB)         P10.1       Mode       Mode description       Declared A-weighted sound pressure level $L_{pAm}$ (dB)         Idle       * HDD: Idle       * 2.9       19         Operation       Hoperating       * 4.3       31         Other mode       Other       Other       Other         mode       Iso7779       ECMA-74       Other         Measured according to: Iso7779       ECMA-74       With not covered by ECMA-74 with LpAm measurement distance	Annual Energy Co	nsumption		• • • •				
Print Speed       Images per minute       Images per minute         Default time to enter energy save mode: 20 minutes       Images per minute       Images per minute         P9.2*       Information about the energy save function is provided with the product.       Images per minute       Images per minute         P9.3*       The product meets the energy save function is provided with the product.       Images per minute       <			Poff: Off Mode(S5) -	WOL Enabled; P <sub>sleep</sub> :	Sleep Mode(S3) - WO	L Enabled; P <sub>idle</sub> : Idle Sta	te - WOL Enabled	
Default time to enter energy save mode: 20 minutes       Image: Constraint of the specific term of term o	Display resolution	: <b>1366 x 7</b>	68 Megapixels					
Default time to enter energy save mode: 20 minutes       Image: Comparison of Comparison	Print Speed	:	Images per minut	te				
P9.2*       Information about the energy save function is provided with the product.       Image: Constraint of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: A, B       Image: Constraint of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: A, B         P10       Emissions       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2         P10       Emissions       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2         P10       Emissions       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2       Image: Constraint of the following voluntary program/s: Energy stark for External Power Supplies Eligibility Criteria Version 2         P10       Emissions       Noise emission – Declared according to ISO 9296       Declared A-weighted sound power level L <sub>pAm</sub> (dB)         P10.1       Mode       Mode description       Declared A-weighted sound power level L <sub>pAm</sub> (dB)       Image: Constraint of the following voluntary program of the following voluntary program of the following voluntary product is not operation * HDD: Operating * 4.3       Image: Constraint of the following vol	Default time to ent	er enerav sa	ve mode: 20 minute	s				
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: A, B       Image: Comparison of the following voluntary program/s: ENERGY STAR® version: Version 5.0 dated July 1, 2009 Product category: A, B         P10       Emissions         Noise emission – Declared according to ISO 9296         P10.1       Mode         Mode       Mode description         Declared sound power       Declared A-weighted sound power         Ievel L <sub>WAd</sub> (B)       Operator position         Desktop       or Desk side         Operation       HDD: Idle         Version       4.3         Other mode       ISO7779         Measured according to:       ISO7779         ECMA-74       Only if not covered by ECMA-74 with L <sub>pAm</sub> measurement distance m)					the product.			╘
P10       Emissions         Noise emission - Declared according to ISO 9296         P10.1       Mode       Mode description       Declared A-weighted sound power level $L_{pAm}$ (dB)         P10.1       Mode       Mode description       Declared A-weighted sound power level $L_{wAd}$ (B)       Declared result of the sound pressure level $L_{pAm}$ (dB)         Idle       * HDD: Idle       * 2.9       19         Operation       * HDD: Operating       * 4.3       31         Other mode       Other (only if not covered by ECMA-74 with LpAm measurement distance m)       Other	P9.3* The pr ENER	oduct meets GY STAR®	the energy requiren	nents of the following dated July 1, 2009	g voluntary program/ Product category:	A, B		
Noise emission – Declared according to ISO 9296         P10.1       Mode       Mode description       Declared A-weighted sound power level L <sub>WAd</sub> (B)       Declared A-weighted sound pressure level L <sub>pAm</sub> (dB)         Idle       * HDD: Idle       * 2.9       19         Operation       * HDD: Operating       * 4.3       31         Other mode       ISO7779       ECMA-74       Measured according to: XISO7779       ECMA-74         Measured according to:       ISO7779       ECMA-74       With LpAm measurement distance		. ,						
A-weighted sound power       sound pressure level $L_{pAm}$ (dB)         Idle       * HDD: Idle       * 2.9       19         Operation       * HDD: Operating       * 4.3       31         Other mode       Isorr779       ECMA-74       Isorr774 with LpAm measurement distance         m)       Other       (only if not covered by ECMA-74 with LpAm measurement distance	Noise	emission -		to ISO 9296	•			
Idle       * HDD: Idle       * 2.9       19         Operation       * HDD: Operating       * 4.3       31         Other mode       0ther mode       0ther mode       0ther mode         Measured according to:       ISO7779       ECMA-74         In the mode       0ther mode       0ther mode	P10.1 Mode		Mode description				0	
Idle       * HDD: Idle       * 2.9       19         Operation       * HDD: Operating       * 4.3       31         Other mode            Measured according to:       ISO7779       ECMA-74         In the mode						sound pressure I	evel $L_{p{\sf Am}}$ (dB)	
Operation       * HDD: Operating       * 4.3       31         Other mode						Desktop	(only if product is not	
Other mode  Other mode  Measured according to: ISO7779 ECMA-74  Other (only if not covered by ECMA-74 with L <sub>pAm</sub> measurement distance m)		•						
Measured according to: ISO7779 ECMA-74 Other (only if not covered by ECMA-74 with L <sub>pAm</sub> measurement distance m)			HDD: Operating		* 4.3	3	1	
,			Other		overed by ECMA-74	with L <sub>pAm</sub> measureme	nt distance	
E IN Z THE DROUGT MEASTING PROUSING NOISE FAMILIAMENTS OF THE FAMILIAN ADDITION PROGRAM/S.	P10.2 The pr	oduct meete	/	aquirements of the f	ollowing voluntary n	rogram/s:		-

		ThinkPad Edge E420s M/T:4401				
Issue da	te *	2011, March 24	Logo	leno	vo	
	t environr	mental attributes - Market requirements (continued)		Require		met
Item				Yes	No	n.a.
		al emissions from printing products				
P10.3*		formed according to ECMA-328 (ISO/IEC 28360) standard, other specify:				$\square$
P10.4	Typical e	emission rate (print phase) is (mg/h):				$\boxtimes$
		Dust Ozone Styrene Benzene TVOC				
P10.5		al emission requirements of the following voluntary program/s are met for :	_			$\boxtimes$
		magnetic emissions				
P10.6		er display meets the requirement for low frequency electromagnetic fields of the follo v/s: <b>MPR-II</b> (3 pin AC adapter only)	wing voluntary	$\bowtie$		
P11		nable materials for printing products			•	
P11.1*		/ Data Sheet (SDS) is available for the ink/toner preparation, even if not legally require	red (see P4.3).			
P11.2*		containing post-consumer recycled fibers can be used, provided that it meets the		of	╞	
1 11.2	EN1228		e requirements			
P11.3*	2-sided	(duplex) printing/copying is an integrated product function.				$\mathbf{X}$
P12	Ergono	mics for computing products				
P12.1*	The disp	play meets the ergonomic requirements of ISO 9241-307 for visual display technolog	ies.			
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.					
P13	Packagi	ing and documentation				
P13.1*		packaging material type(s): Corrugated cardboard weight (kg): 0.827				
		packaging material type(s): Molded Pulp Cushion weight (kg)				
		packaging material type(s): Others (plastic bags) weight (kg)	: <b>0.026</b>			
P13.2*		plastic packaging is free from PVC.		$\square$		
P13.3*		media for user and product documentation (tick box):				
		iic 🔀, Paper 🔀, Other 📃				
P13.4*	fiber: (	er user and product documentation, please specify contained percentage of post-con 0 % (Japan only 70%)	sumer recycled		•	
P14		nal information (See Note B4)				
		Supplier makes no representations, guarantees, assurances or warranties whether				
		ion contained in this document. All information provided by supplier in this document lge available at the time of completion, and supplier shall have no obligation to updat				ion
		there is approximate and provided for informational purposes only. See a Lenovo Ad				UII
	informat				1010	
		Gold rating in the US only; EPEAT Silver rating for all other applicable geos.				
P9	See EN	ERGY STAR Qualified Notebooks & Tablet Computers for the latest information	1:			
	http://de	ownloads.energystar.gov/bi/qplist/laptops_prod_list.xls				

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