

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 / 5F1 Morrisville, North Carolina 27560				
	alcarter@lenovo.com				
Internet site *	http://www.lenovo.com/social_responsibility/us/en/environment.html				
Additional information	The latest version of this document can be found at http://www.lenovo.com/social_responsibility/us/en/datasheets_notebooks.html				

	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 *	Notebook PC				
Commercial name *	ThinkPad Edge E435				
Model number *	M/T: 3256				
Issue date *					
Intended market *	☑ Global ☑ Europe ☑ Asia, Pacific & Japan ☑ Americas ☐ Other				
Additional information	ENERGY STAR® 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	Requireme	ent 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 control such as organized by IT-Företagen (see www.itecodeclaration.org).		

Model number *	ThinkPad Edge E435 M/T:3256		
Issue date *	2012, May 16	Logo	lenovo.

Product	roduct environmental attributes - Legal requirements				
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.				
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), 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).				
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) (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 aromatic amines. (See legal reference and Note B1)			\boxtimes	
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as 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 microgram/cm²/week (see legal reference). 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): http://www.lenovo.com/social_responsibility/us/en/environment.html				
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. (See legal reference)				
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. (See legal reference)				
P2.3*					
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).	X			
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).				
P3.3*					
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	\boxtimes	П		
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).				
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).		П	\square	
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) in accordance with these requirements is available (see legal reference).				
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.	d 🔀			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	\boxtimes			
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montrea Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	al 🔀			

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

Model number *	ThinkPad Edge E435 M/T:3256		
Issue date *	2012, May 16	Logo	lenovo.

*mandatory to fill in. Additional information regarding each item may be found under P14.	Product	duct environmental attributes - Market requirements - Environmental conscious design Requirement met				
Information for recyclers/irreatment facilities is available (see legal reference).					n.a.	
Pr. Dassign Dassembly, recycling Pr. Parts that have to be treated separately are easily separable Pr. Plastic materials in covers/housing have no surface coating. Pr. Plastic parts > 25g have materials in covers/housing have no surface coating. Pr. Plastic parts > 25g have material codes according to ISO 11469 referring ISO 1043. Plastic parts > 25g have material codes according to ISO 11469 referring ISO 1043. Pr. Plastic parts > 25g have material codes according to ISO 11469 referring ISO 1043. Pr. Plastic parts > 25g have material codes according to ISO 11469 referring ISO 1043. Pr. Pr. Pr. Upgrading can be done done done on tapply to safety/regulatory labels). Pr. Pr. Upgrading can be done using commonly available tools Pr. Pr. Upgrading can be done using commonly available tools Pr. Pr						
Disassembly, recycling		Information for recyclers/treatment facilities is available (see legal reference).				
P7.1º Parts that have to be treated separately are easily separable	P7					
P7.3* Plastic materials in covers/housing have no surface coating. P7.3* Plastic parts >250 have material cord of easily separable materials. P7.4* Plastic parts >250 have material codes according to ISO 11469 referring ISO 1043. P7.5* Plastic parts are free from metal inlays of have inlays that can be removed with commonly available tools. P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.8* Upgrading can be done using commonly available tools P7.9* Service is available after end of production for 5 years P7.10* Service is available after end of production for 5 years P7.10* Service is available after end of production for 5.9 years P7.10* Material and substance requirements P7.11* Product cover/housing material type: Material layer, PC-ABS-FR(40) P7.13* Electrical cable insulation materials of signal cables are PVC free All primer clared plastic parts >25g are free from chlorine and bromine. P7.14* All cover/housing plastic parts >25g in covers / housings are marked according ISO 1043-4: TBPA (additive)	D7.4*			_		
P7.3* Plastic parts >100g consist of one material or of easily separable materials. P7.4* Plastic parts >25g have material codes according to ISO 11489 referring ISO 1043. P7.5* Plastic parts >25g have material codes according to ISO 11489 referring ISO 1043. P7.5* Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. P7.6* Labels are assily separable. (This requirement does not apply to safety/regulatory labels). P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.8* Upgrading can be done using commonly available tools P7.9* Spare parts are available after end of production for: 5 years P7.10* Service is available after end of production for: 5 years Material and substance requirements P7.11* Product cover/housing material type: PC-FR(40) Material type: PC-4885-FR(40) P7.12* Electrical cable insulation materials of power cables are PVC free. P7.13* Electrical cable insulation materials of signal cables are PVC free. P7.14* All cover/housing plastic parts >25g are free from chlorine and bromine. 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: FR(40) P7.17* Alt 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) — TBBPA (reactive) — Other: chemical name: 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide , CAS #: 35948-25-5 Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components): 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 6: number and supplement. P7.19* P(40) P1.19* P(40) P1.19* P(40) P1.20* P(40			_ <u>×</u>			
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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: TMB1615 , CAS #: confidential , Supplier: Mitsubishi 2. Chemical name: FR3002 , CAS #: confidential , Supplier: BAYER 3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) 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 10.56 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0 %. P7.22 Light sources are free from mercury P8 Batteries Battery chemical composition: Li-ion						
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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: TMB1615 , CAS #: confidential , Supplier: Mitsubishi 2. Chemical name: FR3002 , CAS #: confidential , Supplier: BAYER 3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) 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 10.56 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0 %. P7.22 Light sources are free from mercury Batteries P8.1* Battery chemical composition: Li-ion	1 7.10		\square			
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: TMB1615 , CAS #: confidential , Supplier: Mitsubishi 2. Chemical name: FR3002 , CAS #: confidential , Supplier: BAYER 3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2				ш		
complete chemical name, CAS number and supplier. 1. Chemical name: TMB1615 , CAS #: confidential , Supplier: Mitsubishi 2. Chemical name: FR3002 , CAS #: confidential , Supplier: BAYER 3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) 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 10.56 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0 %. P7.22 Light sources are free from mercury Batteries P8.1* Battery chemical composition: Li-ion		Comment: No legal limits exist, this is a market requirement.				
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2. Chemical name: FR3002 , CAS #: confidential , Supplier: BAYER 3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2		complete chemical name, CAS number and supplier.				
3. Chemical name: GC1150 , CAS #: confidential , Supplier: Sabic Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) 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 10.56 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0 %. P7.22 Light sources are free from mercury P8 Batteries Battery chemical composition: Li-ion		2 Chemical name: FR3002 CAS #: confidential Sunnier: RAYER				
Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) 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 10.56 %. P7.21 Of total plastic parts' weight >25g, biobased material content is 0 %. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Li-ion						
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P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Li-ion						
P8 Batteries P8.1* Battery chemical composition: Li-ion			\square			
P8.1* Battery chemical composition: <i>Li-ion</i>						
Dation, dromod composition.						
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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 *	ThinkPad Edge E435 M/T:3256		
Issue date *	2012, May 16	Logo	lenovo.

Ten Fer	Product environmental a	Product environmental attributes - Market requirements (continued) Requirement met					
For the product the following power levels or energy consumptions are reported:	1.7				Yes No	n.a.	
The product is shapped w WOL Enabled			•				
100 VAC				mptions are reporte	ed:		
Category A	Energy mode *						
Idle State - WOL Enabled W W W W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled W W W W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled W W W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled W W W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled W W W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled U.052 W J.054 W J.107 W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled J.052 W J.054 W J.107 W Use for ENERGY STAR Registration (P _{min}) Steep (S3) - WOL Disabled J.052 W J.054 W J.107 W Use for ENERGY STAR Registration (P _{min}) J.054 W J.059 W Reference J.059 W J.059 W	Peak (On-max)	65/90W	65/90 W	65/90 W	Full load		
Sleep (S3) - WOL Enabled	Category A	1	l	I	4		
Sleep (S3) - WOL Disabled W W W W Use for ENERGY STAR Registration (P _{ob}) Off (S5) - WOL Disabled W W W Use for ENERGY STAR Registration (P _{ob}) Off (S5) - WOL Disabled N W W Use for ENERGY STAR Registration (P _{ob}) Off (S5) - WOL Disabled N N Use for ENERGY STAR Registration (P _{ob}) Off (S5) - WOL Enabled N N N Use for ENERGY STAR Registration (P _{ob}) Off (S5) - WOL Disabled N N N N N N N N N	Idle State - WOL Enabled	W	W	W	Use for ENERGY STAR Registration (Pidle)		
Off (SS) - WOL Enabled W W W Use for ENERGY STAR Registration (P _{ent}) Mesured according to 1SO 9296 P10.1 W W Use for ENERGY STAR Registration (P _{ent}) Mode Mode description Podestrian	Sleep (S3) - WOL Enabled	W	W	W	Use for ENERGY STAR Registration (P _{sleep})		
Off (S5) - WOL Disabled W W W Use for EUP	Sleep (S3) - WOL Disabled	W	W	W	Reference	\boxtimes	
Category B	Off (S5) - WOL Enabled	W	W	W	Use for ENERGY STAR Registration (Poff)		
Alle State - WOL Enabled 7,883 W 7,943 W 8,14 W Use for ENERGY STAR Registration (P _{sin})	Off (S5) - WOL Disabled	W	W	W	Use for EuP		
Sleep (S3) - WOL Enabled 1,052 W 1,054 W 1,107 W Use for ENERGY STAR Registration (P _{mosp})	Category B	1	1	1			
Sleep (S3) - WOL Disabled 0.994 W 0.997 W 1.049 W Reference	Idle State - WOL Enabled	<i>7.883</i> W	<i>7.943</i> W	<i>8.14</i> W	Use for ENERGY STAR Registration (P _{idle})		
Off (S5) - WOL Enabled 0.444 w 0.447 w 0.5 w Use for ENERGY STAR Registration (P _{en}) □ Off (S5) - WOL Disabled 0.468 w 0.468 w 0.468 w Use for EUP □ EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) 0.091w 0.095w 0.139w Energy Star □ TEC Typical Energy Consumption 23.972 kWh/year 24.147 kWh/year 24.99 kWh/year ETEC = (8760/1000) x (P _{off} x 0.6 + P _{steep} x 0.1 + P _{stee} x 0.3) □ P _{off} off Mode(\$5) - WOL Enabled; P _{steep} Sleep Mode(\$3) - WOL Enabled; P _{stee} idle State - WOL Enabled Display resolution : 1024*600 Megapixels Specification □ Print Speed : Images per minute Specification □ Default time to enter energy save mode: 10(to display off),20(to sleep) minutes Energy star □ P9.2* Information about the energy save function is provided with the product. P9.2* Information about the energy requirements of the following voluntary program/s: ENERGY STAR® version:5.2 Product category: Notebook computer Others specify: □ □ PINERGY STAR® version:5.2 Product category: Notebook computer Others specify: □ □ <td colspa<="" td=""><td>Sleep (S3) - WOL Enabled</td><td><i>1.052</i> W</td><td><i>1.054</i> W</td><td><i>1.107</i> W</td><td>Use for ENERGY STAR Registration (Psleep)</td><td></td></td>	<td>Sleep (S3) - WOL Enabled</td> <td><i>1.052</i> W</td> <td><i>1.054</i> W</td> <td><i>1.107</i> W</td> <td>Use for ENERGY STAR Registration (Psleep)</td> <td></td>	Sleep (S3) - WOL Enabled	<i>1.052</i> W	<i>1.054</i> W	<i>1.107</i> W	Use for ENERGY STAR Registration (Psleep)	
Off (\$5) - WOL Disabled	,	<i>0.994</i> W	<i>0.997</i> W	<i>1.049</i> W	Reference		
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.) TEC Typical Energy Consumption Por: Off Mode(S5) - WOL Enabled; P _{sheet} : Sleep Mode(S3) - WOL Enabled; P _{sheet} : Annual Energy Consumption Print Speed : Images per minute Default time to enter energy save mode: 10(to display off),20(to sleep) minutes Energy Star P9.3' Information about the energy save function is provided with the product. P9.3' The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version-5.2 Product category: Notebook computer Others specify: Noise emission - Declared according to ISO 9296 P10.1 Mode Mode description Mode Mode description Declared A-weighted sound pressure level L _{rpAm} (dB)	Off (S5) - WOL Enabled	<i>0.444</i> W	<i>0.447</i> W	<i>0.5</i> W	Use for ENERGY STAR Registration (Poff)		
(External power supply / charger plugged in the wall outlet but disconnected from the product.) TEC Typical Energy Consumption 23.972 kWh/year Annual Energy Consumption Peur: Off Mode(S5) - WOL Enabled; P _{Jacq} : Sleep Mode(S3) - WOL Enabled; P _{Jacq} : Sleep Mode(S3) - WOL Enabled; P _{Jacq} : Idle State - WOL Enabled Display resolution : 1024*600 Megapixes Print Speed : Images per minute Default time to enter energy save mode: 10(to display off),20(to sleep) minutes Peg.2* Information about the energy save function is provided with the product. P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: Noise emission - Declared according to ISO 9296 P10.1 Mode Mode description Mode Mode description Mode Mode description Idle System idle Sund power level L _{WAd} (B) Operator position Desk side Operator attended) Idle System idle Sund power level L _{WAd} (B) Operator position Operator attended) Idle System idle Sund power level L _{WAd} (B) Operator position Operator attended) Idle System idle Sund power level L _{WAd} (B) Operator position Operator attended) Measured according to: SO7779 ECMA-74 (only if not covered by ECMA-74 with L _{pAm} measurement distance	Off (S5) - WOL Disabled	<i>0.468</i> W	<i>0.468</i> W	<i>0.468</i> W	Use for EuP		
charger plugged in the wall outlet but disconnected from the product.) TEC Typical Energy Consumption TEC Typical Energy Consumption TEC Typical Energy Consumption TETC Typical Energy Consumption Tetro Typical Energy Consumption Tetro Typical Energy Consumption Tetro Typical Energy Consumption Tetro Typical Energy Consumption The product in 1024*600 Megapixels Tetro Typical Energy Consumption Tetro Typical Energy Consumption The product in 1024*600 Megapixels The product meets the energy save function is provided with the product. The product meets the energy save function is provided with the product. The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others Specify: The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others Specify: The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others Specify: The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others Specify: The product meets the energy seven full to the product. The product meets the energy seven full to the product. The product meets the energy seven full to the product. The product meets the energy seven full to the product of the p		0.091W	<i>0.095</i> W	<i>0.139</i> W	Energy Star		
Typical Energy Consumption ETEC * Annual Energy Consumption Peri: Off Mode(S5) - WOL Enabled; Pstep: Sleep Mode(S3) - WOL Enabled; Pstep: Idle State - WOL Enabled Display resolution : 1024*600 Megapixels Print Speed : Images per minute Default time to enter energy save mode: 10(to display off),20(to sleep) minutes Energy star P9.2* Information about the energy save function is provided with the product. P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10.1 Mode Mode Mode description Mode Mode description Declared A-weighted sound pressure level L_pAm (dB) Departor position Destrop Others specify: Departor position Destrop Others specify: P9.5*	charger plugged in the wall outlet but disconnected from						
ETEC * Annual Energy Consumption	_	0.461 kWh/week	0.464 kWh/week	0.48 kWh/week			
Annual Energy Consumption Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Sleep Mode(S3) - WOL Enabled; Palsep: Idle State - WOL Enabled Part: Off Mode(S5) - WOL Enabled; Palsep: Idle State - WOL Enabled Palsep: Idl	Typical Energy Consumption						
Display resolution : 1024*600 Megapixels Print Speed : Images per minute Default time to enter energy save mode: 10(to display off),20(to sleep) minutes P9.2* Information about the energy save function is provided with the product. P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10.1 Mode Mode description Noise emission – Declared according to ISO 9296 P10.1 Mode Mode description Noise emission – Declared according to ISO 9296 P10.1 Idle System idle Oppoparating A.8 Idle System idle System idle A.8 Other mode Oppoparating A.8 Measured according to: SISO7779 ECMA-74 Other (only if not covered by ECMA-74 with Lpam measurement distance m)	I -	23.972 kWh/year	24.147 kWh/year	24,99 kWh/year			
Print Speed : Images per minute		P _{off} : Off Mode(S5) - I	WOL Enabled; P _{sleep} : S	Sleep Mode(S3) - WO	L Enabled; P _{idle} : Idle State - WOL Enabled		
Default time to enter energy save mode: 10(to display off),20(to sleep) minutes P9.2* Information about the energy save function is provided with the product. P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10 Emissions Noise emission – Declared according to ISO 9296 P10.1 Mode Mode description Declared according to ISO 9296 P10.1 Idle *System idle operation Operation Operation Other mode ODD operating Measured according to: SO7779 ECMA-74 Other mode ODD operating Other (only if not covered by ECMA-74 with LpAm measurement distance m)	Display resolution : 1024*60	00 Megapixels			Specification		
P9.2* Information about the energy save function is provided with the product. P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10 Emissions Noise emission – Declared according to ISO 9296 P10.1 Mode	*						
P9.3* The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10 Emissions Noise emission – Declared according to ISO 9296 P10.1 Mode							
ENERGY STAR® version: 5.2 Product category: Notebook computer Others specify: P10 Emissions Noise emission - Declared according to ISO 9296 P10.1 Mode				·			
$ \begin{array}{ c c c c c } \hline \textbf{Noise emission} - \textbf{Declared according to ISO 9296} \\ \hline \textbf{P10.1} & \textbf{Mode} & \textbf{Mode description} & \textbf{Declared A-weighted sound power} \\ \hline \textbf{Idle} & * \textbf{System idle} & * \textbf{2.9} & \textbf{19.5} \\ \hline \textbf{Operation} & * \textbf{CPU loading >90\%} & * \textbf{3.4} & \textbf{24.8} \\ \hline \textbf{Other mode} & \textbf{ODD operating} & \textbf{Measured according to:} & \textbf{ISO7779} & \textbf{ECMA-74} \\ \hline \textbf{Other} & (\text{only if not covered by ECMA-74 with L_{pAm} measurement distance} \\ \hline \textbf{m)} & & & & & & & & & & & & & & & & & & &$	ENERGY STAR® Others specify:				ı/s: □ □		
$ \begin{array}{ c c c c c }\hline P10.1 & Mode & Mode description & Declared A-weighted sound power level L_{WAd} (B) & Sund pressure level L_{pAm} (dB) & Operator position & Desktop or Desk side (only if product is not operator attended) & Operation & CPU loading >90% & 3.4 & 24.8 & Other mode ODD operating & 4.8 & Other Gonly if not covered by ECMA-74 with L_{pAm} measurement distance & Declared A-weighted sound pressure level L_{pAm} (dB) & Operator position & Desktop or Desk side (only if product is not operator attended) & Operation & 2.9 & 19.5 & Other mode ODD operating & 4.8 & Other Gonly if not covered by ECMA-74 with L_{pAm} measurement distance & Measured according to: & ISO7779 & ECMA-74 & Other Gonly if not covered by ECMA-74 with L_{pAm} measurement distance & ISO7779 & ISO7$							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			10 130 9290	Declared	Declared A-weighted		
	l loss			A-weighted			
Idle * System idle *2.9 19.5 Operation *CPU loading >90% *3.4 24.8 Other mode ODD operating 4.8 Measured according to: SISO7779 ECMA-74 Other (only if not covered by ECMA-74 with LpAm measurement distance m)				· ·	Operator position Bystander positions	1	
Idle * System idle *2.9 19.5 Operation *CPU loading >90% *3.4 24.8 Other mode ODD operating 4.8 Measured according to: SO77779 ECMA-74 Other (only if not covered by ECMA-74 with LpAm measurement distance m)				WAu	Desktop		
Operation * CPU loading >90% *3.4 24.8 Other mode ODD operating 4.8 Measured according to: SO7779 ECMA-74 Other (only if not covered by ECMA-74 with LpAm measurement distance m)							
Other mode ODD operating 4.8 Measured according to: ISO7779 ECMA-74 Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)	l						
Measured according to: SISO7779 ECMA-74 Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)			6			Ш	
Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)			ECMA 74	4.8		1	
	ivieasureu accordi	Other		covered by ECMA-7	4 with L _{pAm} measurement distance		
	P10.2 The product meet		requirements of the	following voluntary	program/s:	\Box	

Product environmental attributes - Market requirements (continued) Requirement metals	Wodernu	iibei	ThinkPad Edge E435 M/T:3256					
Item	Issue date	e date * 2012, May 16 Logo lenou					VO.	Š.
Item	Product	environn	nental attributes - Market requirements (continued)		Rec	uire	ment	met
P10.3* Test performed according to ECMA-328 (ISO/IEC 28360) standard, other specify:						Yes	No	n.a.
P10.4 Typical emission rate (print phase) is (mg/h): Dust		Chemica	al emissions from printing products					
P10.4 Typical emission rate (print phase) is (mg/h):	P10.3*	Test per	formed according to ECMA-328 (ISO/IEC 28360) standard . other specify:			П		\square
P10.5 Chemical emission requirements of the following voluntary program/s are met for: Dust Ozone Styrene Benzene TVOC P10.5 Chemical emission requirements of the following voluntary program/s are met for: Dust Ozone Styrene Benzene TVOC P10.5 Electromagnetic emissions P10.6 Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s: \$SDRRS P11.6 Consumable materials for printing products P11.7 Consumable materials for printing products P11.2 Consumable materials for printing products	P10.4							
P10.5 Chemical emission requirements of the following voluntary program/s are met for: Dust Ozone Styrene Benzene TVOC Electromagnetic emissions Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s: SDRRS P11. Consumable materials for printing products A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3). P11.2* Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of N12281. P11.3* C-sided (duplex) printing/copying is an integrated product function. P12. Ergonomics for computing products P12.1* The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies. P12.2* The physical input device meets the requirements of ISO 9241-410. P13.1* Packaging and documentation P13.1* Product packaging material type(s): carton & paper pad weight (kg): 0.5785 weight (kg): 0.25 Product packaging material type(s): paper cushion Product packaging material type(s): bag weight (kg): 0.017 P13.2* Product plastic packaging is free from PVC. P13.3* Specify media for user and product documentation (tick box): Electronic Spaper user and product documentation, please specify contained percentage of post-consumer recycled fiber: 80% (Japan only 70%) P14. Additional information (See Note B4) NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied, regarding the information contained in this document. All information provided by supplier in this document is provided based on supplier's knowledge available at the time of completion, and supplier shall have no obligation to update such information. The information provided here is approximate and provided for informational purposes only. See a Lenovo Account Representative for more information. P7.17 Product does not contain free TBBPA in printed circuit boards(without components)>25g.		• •						
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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