

## 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 *	Think	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 *	Type of product * Workstation					
Commercial name *	ThinkStation P310 Tower;					
Model number *	30AS, 30AT, 30AY, 30B0					
Issue date *	2015/9/16					
Intended market *	☑ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other					
Additional information	ENERGY STAR® Qualified; EPEAT Gold Rating, GREENGUARD Certification,					

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Quality	Control	Requireme	nt 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).	ol 🔀	

Model number *	30AS, 30AT, 30AY, 30B0			
Issue date *	2015.09.16	Logo	Lenovo.	

Item	Product	environmental attributes - Legal requirements	Require	men	t met
P1.1   Products do not contain more than: 0.1% lead. 0.01% cadmium. 0.1% nercury. 0.1% hexavalent chromium.			Yes	No	n.a.
0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)  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). hydrochromGluorocarbons (HBFC), hydrochromGluorocarbons (HGFC), hydrochromGluorocarbons (HGF	P1	Hazardous substances and preparations			
Comment: Legal reference has no maximum concentration value.    13		0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)			
P1.3* Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hallons, carbonitetrachloride, 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).  P1.5* Textile and leather parts with direct skin contact do not contain Tri-(2,3, dibromopropyl)-phosphate (TRIS), Tris-(azidridnyl)-phosphineoxide (TEPA), polybromiated biphenyl (PBB) (see legal reference).  P1.5* Textile and leather parts with direct skin contact do not contain more than 0.03% Azo colorants that split 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 pentachlorophenol and derivatives (see legal reference).  P1.9* Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm/week (see legal reference).  P1.0* REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/us/en/ThinkGreen_products.htmillenvironment  P2. Batteries  P2.1* If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains a more than 0.0005% of mercury for own ore 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).  P3. Safety_EMC connection to the telephone network and labeling the product complies with legally required standards for radio and te	P1.2*				
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 Th-(2,3-dbromopropyl)-phosphate (TRIS), Tric-(azidridnyl-)-posphineoxide (TEPA), polybromiated 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)  P1.8* Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachrorophenol 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.lenvo.com/social_responsibility/us/en17th/KirGreen_products.html/envolment  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).  P3.3* Exteries and accumulators are easily removable by either users or service providers (as dependent on the en	P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	$\boxtimes$		
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' Terkle and leather parts with direct skin contact do not contain The(.2.3-dibromopropyl)-phosphate (TRIS),		trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum			
P1.6°   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).     P1.7°   Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic arines. (See legal reference and Note B1)	P1.4*				
P1.6* Textile and leather parts with direct skin contact do not contain Tri-(2.3-dibromoproyl)-phosphate (TRIS), Tri-s(azridinyl)-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)  P1.8* Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pertactiorophenol 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):	P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the			
Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference).  Comment: Legal reference has no maximum concentration values.  P1.7' Taxtile 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)  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/cm/*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/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 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' 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).  P3.1' The product complies with legally required safety standards as specified (see legal reference).  P3.2' The product complies with legally required safety standards as specified (see legal reference).  P3.3' If product is intended for connection to a public telecom network and labeling  P4.1' If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium m	P1.6*		$\neg$		$\square$
P1.8' Taxilie and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split armonatic 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 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/cm/week (see legal reference). Comment. Max limit in legal reference when tested according to EN1811:1998. REACH Article 33 information about substances in articles is available at (add URL or mail contact):    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/ThinkGreen_products.htmltenvironment   P2		Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference).			
P1.8* Wooden parts do not contain arsenic and Note B1)  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/ThinkGreen_products.htmittenvironment  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 0.005% 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 are easily removable by either users or service providers (see plegal reference)  P2.3* Safetries and accumulators are easily removable by either users or service providers (see plegal reference)  P3. Safety, EMC connection to the telephone network and labeling  P3.1* The product complies with legally required safety standards for electromagnetic compatibility (see legal reference).  P3.2* The product complies with legally required safety standards for electromagnetic compatibility (see legal reference).  P3.4* The product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for electromagnetic compatibility (see legal reference).  P4.4* Consumable materials  P4.1* If a photo conductor (drun, belt etc.) is used in the product, it does not contain cadmium m	P1 7*				$\square$
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/ThinkGreen_products.htmittenvironment  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° 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).  P3.1° The product complies with legally required safety standards as specified (see legal reference).  P3.2° The product complies with legally required safety standards as specified (see legal reference).  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 electromagnetic compatibility (see legal reference).  P4.1° If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).  P4.1° If inkToner is used in the product, it does	1.7		ш	ш	
P1.9° Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5	P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as			$\boxtimes$
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marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference)  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 0.005% of mercury or 0.002% of cadmium. (See legal reference)  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. Safety, EMC connection to the telephone network and labeling  P3.1* The product complies with legally required safety standards as specified (see legal reference).  P3.2* The product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for electromagnetic compatibility (see legal reference).  P3.4* The product is labeled to show conformance with applicable legal requirements (see legal reference).  P4. Consumable materials  If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference).  P4.2* If the ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).  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).  P5.1* 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).		If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains	$\overline{\mathbb{X}}$		
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(see legal reference).	P5.3*			Ħ	Ħ
COMMENT, LEGAL FEIGURE HAS NO MAXIMUM CONCENTIATION VAIDES.					

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

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Product	oduct environmental attributes - Market requirements - Environmental conscious design Requirement 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			
P7	Design Disassembly, recycling					
P7.1*	Parts that have to be treated separately are easily separable		П	$\Box$		
P7.2*	Plastic materials in covers/housing have no surface coating.		百	市		
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.		Ħ	$\overline{}$		
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.	$\boxtimes$	ᅢ	Ħ		
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	$\boxtimes$	+	H		
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).		+	∺		
1 7.0	Product lifetime					
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives					
P7.8*	Upgrading can be done using commonly available tools		Ħ	Ħ		
P7.9.	Spare parts are available after end of production for: 5 years			$\overline{}$		
P7.10	Service is available after end of production for: 5 years			╁		
	Material and substance requirements					
P7.11*	Product cover/housing material type:					
	Material type: ABS Material type: Steel					
P7.12	Electrical cable insulation materials of power cables are PVC free.		$\boxtimes$			
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		$\boxtimes$			
	Note B2)		_			
P7.16	Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking:		Ш			
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 Tower: 82.6% in Chassis					
P7.21	Of total plastic parts' weight >25g, biobased material content is <b>0%</b> .					
P7.22	Light sources are free from mercury					
P8	Batteries					
P8.1*	Battery chemical composition:					
P8.2	Batteries meet the requirements of the following voluntary program/s:			IXI		

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 environmental attrib	utes - Market re	equirements (	continuea)	Requirement	
P9 Energy consumption				Yes No	n.a.
9.1 For the product the foll The product is shipped	owing power level		sumptions are rep	orted: See P14	
Energy mode *	Power level at 100 V AC		Power level at 230 V AC	Reference / Standard for energy modes and test method *	
Category					
Short Idle State - WOL Enabled	na W	<b>39.5</b> W	39.6 W	Use for ENERGY STAR V6 registration (P <sub>idle</sub> )	
Long Idle State - WOL Enabled	na W	33.7 W	32.8 W	Use for ENERGY STAR V6 registration (Pidle)	
Sleep (S3) - WOL Enabled	na W	2.5 W	2.5 W	Use for ENERGY STAR V6 registration(P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled	na W	na W	na W	Reference	
Off (S5) - WOL Enabled	na W	1.1 W	1.1 W	Use for ENERGY STAR V6 registration(Poff)	
Off (S5) - WOL Disabled	na W	na W	na W	Use for EuP	
Category I1		1	ı		
Short Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>ShortIdle</sub> )	
Long Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>Longidie</sub> )	
Sleep (S3) - WOL Enabled				Use for Energy Star V6.0 registration (P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled				Reference	
Off (S5) - WOL Enabled				Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled				Use for EuP	
Category I2					
Short Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>ShortIdle</sub> )	
Long Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>LongIdle</sub> )	
Sleep (S3) - WOL Enabled				Use for Energy Star V6.0 registration (P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled				Reference	
Off (S5) - WOL Enabled				Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled				Use for EuP	
Short Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>ShortIdle</sub> )	
Long Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>Longidie</sub> )	
Sleep (S3) - WOL Enabled				Use for Energy Star V6.0 registration (P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled				Reference	
Off (S5) - WOL Enabled				Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled				Use for EuP	
Category D1					
Short Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>ShortIdle</sub> )	
Long Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>Longidie</sub> )	
Sleep (S3) - WOL Enabled				Use for Energy Star V6.0 registration (P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled				Reference	
Off (S5) - WOL Enabled				Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled				Use for EuP	
Category D2	1			1	
Short Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>ShortIdle</sub> )	
Long Idle State - WOL Enabled				Use for Energy Star V6.0 registration(P <sub>Longldle</sub> )	
Sleep (S3) - WOL Enabled				Use for Energy Star V6.0 registration (P <sub>sleep</sub> )	
Sleep (S3) - WOL Disabled				Reference	
Off (S5) - WOL Enabled				Use for Energy Star V6.0 registration (Poff)	
Off (S5) - WOL Disabled				Use for EuP	
İ	L	ı	ı	ı	1

plugged in	ead  bower supply / charge  the wall outlet but  ted from the product.		W	W			
TEC Typical En	ergy Consumption	kWh/week	kWh/week	kWh/week			
PTEC * Annual En	ergy Consumption	na	21.5 W	21.4W	PL	TEC = POFF×TOFF + PSLEEP×TSLEEP + LONG_IDLE×TLONG_IDLE + SHORT_IDLE×TSHORT_IDLE	
Display re	solution : Me	egapixels					
Print Spee	ed : Ima	iges per minute					
Default time to enter energy save i		ve mode: 25 minute:	S				
P9.2*	Information about the	ne energy save func	tion is provided	with the product.			
P9.3*	P9.3* The product meets the energy requirements of the following voluntary program/s:  ENERGY STAR® version: Version 6.1 Product category:  Others specify:						
P10	Emissions						
P10.1		Declared according  lode description	to ISO 9296	Declared	1	Declared A-weighted	
F10.1	Wode IV	loue description		A-weighted sound power level $L_{W\!Ad}$ (	er	sound pressure level $L_{p \text{Am}}$ (dB)  Operator position   Desktop  or Desk side   (only if product is not operator attended)	-
	Idle *	HDD: Idle		* 3.3		17.5	
	Operation *	HDD: Operating		* 3.4		17.2	
	Other mode						
	Measured accordin	_	ECMA-74 only if not cover	ed by ECMA-74 wi	th L	Am measurement distance m)	
P10.2	The product meets the acoustic noise requirements of the following voluntary program/s:						

Model nu	mber *	30AS, 30AT, 30AY, 30B0				
Issue date	e *	2015.09.16	Logo	Lenov	<b>/</b> 0.	
	environn	nental attributes - Market requirements (continued)		Require		
Item	01			Yes	No	n.a.
P10.3*		al emissions from printing products				
		formed according to ECMA-328 (ISO/IEC 28360) standard, other specify:				
P10.4		emission rate (print phase) is (mg/h):				$\boxtimes$
D40 F		Dust Ozone Styrene Benzene TVOC				
P10.5		are met for : Oust Ozone Styrene Benzene	TVOC _			
		nagnetic emissions				
P10.6	program		lowing voluntary		Ш	Ш
P11	Consum	able materials for printing products				
P11.1*		Data Sheet (SDS) is available for the ink/toner preparation, even if not legally requ				
P11.2*	EN1228		he requirements of	of		
P11.3*	2-sided (	duplex) printing/copying is an integrated product function.				$\boxtimes$
P12		nics for computing products				
P12.1*	The disp	lay meets the ergonomic requirements of ISO 9241-307 for visual display technological	gies.	$\boxtimes$		
P12.2*	The phys	sical input device meets the requirements of ISO 9995 and ISO 9241-410.		$\boxtimes$		
P13		ng and documentation				
P13.1*	Product	packaging material type(s): <i>Paper</i> weight (kg): 1.15 packaging material type(s): <i>Solid EPE</i> weight (kg): 0.38 packaging material type(s): <i>HDPE</i> weight (kg): 0.09				
P13.2*	Product	plastic packaging is free from PVC.		$\boxtimes$		
P13.3*		nedia for user and product documentation (tick box):				
P13.4*		er user and product documentation, please specify contained percentage of post-co % (Japan only 70%)	onsumer recycled			
P14	Addition	nal information (See Note B4)				
	informati knowled provided informati		nt is provided base ate such informatio Account Represen	ed on supp on. The inf	lier's ormat	
P7.17		does not contain free TBBPA in printed circuit boards(without components)				
P9		rgy Star Qualified (insert appropriate Product type; i.e. Desktop, Notebook, e wnloads.energystar.gov/bi/qplist/laptops_prod_list.xls (insert appropriate w		informati	on:	

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

## **Lenovo ErP Lot3 Information Sheet**

## - Workstation/Server -

As required by COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers (ErP Lot3).

#### Products scope of this sheet:

Workstation, mobile workstation, desktop thin client, small-scale server and computer server

This document is only valid in connection with the IT Eco Declaration of the specific Product.

Commercial name	ThinkStation P310	Logo
Model Number	30AS, 30AT, 30AY, 30B0	Lenovo
Issue Date	2015/09/16	Lei IOVO.
Additional information	N/A	

(d)	year of manufacture:				See name plate of product		
(e)	internal/external power supply efficiency: FSP450-50ETN						
	Power Efficiency :10% <b>88.61%</b> Power Factor : 10% <b>0.96</b>	20% <b>91.75%</b> 20% <b>0.98</b>	50% <b>92.69%</b> 50% <b>1.00</b>	100% <b>89.99%</b> 100% <b>1.00</b>			
(f)	test parameters for measurements: — test voltage in V and frequency in Hz, — total harmonic distortion of the electricity supply system, — information and documentation on the instrumentation, set-up and circuits used for electrical testing:  -Test Voltage: 230V, Frequency: 50Hz  -Total harmonic distortion: <2%  - Information and documentation on the instrumentation: Please refer to additional information,  - Set-up and circuits used for electrical testing: Please refer to additional information						
(g)	maximum power (Watts)				96		
(h)	idle state power (Watts)				39.61		
(i)	sleep mode power (Watts)				2.51		
(j)	off mode power (Watts)				1.1		
	the measurement methodology used to determine information mentioned in points (e):  80 PLUS test method						
(I-1)			information man	tioned in maximum, idle	sleep, off mode power as		
(l-1)	the measurement methodology us defined in Point P9.1 in the Produ			naonea in maximam, iaie,	oloop, on mode power de		

#### Additional information -Information and documentation on the instrumentation Instrument I.D. Instrument Type Range Used Make and Model 1~280VAC;1~550HZ;1000V EC1000S; SN:9136092 Α8 AC POWER SOURCE B43 Full range Digital Watch HS-70W; SN:107Q05R B45 Power Meter 0~600V;0~20A WT210;SN:27D941999 Humidity/Temperature B48 15~30°C;12~89%RH Watchport/H;SN:W11492318 Sensor - Set-up and circuits used for electrical testing: Unit AC power supply 50Hz or 60Hz under

test

W: Wattmeter