

## 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 / 5F1 Morrisville, North Carolina 27560 alcarter@lenovo.com	Lenovo				
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 *	Ňotebook						
Commercial name *	ThinkPad T460p						
Model number *	20FW, 20FX						
Issue date *	2015-12-29						
Intended market *	🔀 Global 📃 Europe 📃 Asia, Pacific & Japan 📃 Americas 📃 Other						
Additional information							

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

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 contro such as organized by IT-Företagen (see www.itecodeclaration.org).	ol 🔀	

Model number *	20FW, 20FX		
Issue date *	2015-12-29	Logo	Lenovo

Product	environmental attributes - Legal requirements	Require	ment	met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)			
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	$\boxtimes$		
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), 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).	$\boxtimes$		
P1.5*	Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	$\boxtimes$		
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), 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)			$\square$
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*	Comment: Legal reference has no maximum concentration values. Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm <sup>2</sup> /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/materials.html	$\square$		
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)	$\boxtimes$		
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)	$\square$		
P3	Safety, EMC connection to the telephone network and labeling			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	$\boxtimes$		
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	$\boxtimes$		
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference).			
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	$\boxtimes$		
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note B1).			
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference).			$\boxtimes$
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.			
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	$\square$		
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.			

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

Model nu	umber *	20FW, 20FX						
Issue dat	te *	2015-12-29	Lenovo					
_				_				
		mental attributes - Market requirements - Environmental conscious d atory to fill in. Additional information regarding each item may be found under P14.	esign I	Requirer Yes				
Item P6		nt information		Tes	No	n.a.		
P6.1*		on for recyclers/treatment facilities is available (see legal reference).		$\square$				
P7	Design	, ,						
	Disasse	mbly, recycling						
P7.1*	Parts that	t have to be treated separately are easily separable		$\boxtimes$				
P7.2*	Plastic m	naterials in covers/housing have no surface coating.			$\boxtimes$			
P7.3*	Plastic p	arts >100g consist of one material or of easily separable materials.		$\boxtimes$				
P7.4*	Plastic p	arts >25g have material codes according to ISO 11469 referring ISO 1043.		$\square$				
P7.5	Plastic p	arts are free from metal inlays or have inlays that can be removed with commonly a	vailable tools.	$\square$				
P7.6*	Labels a	re easily separable. (This requirement does not apply to safety/regulatory labels).						
	Product	lifetime						
P7.7*	Upgradir	ig can be done e.g. with processor, memory, cards or drives		$\boxtimes$				
P7.8*	Upgradir	ng can be done using commonly available tools		$\square$				
P7.9.	Spare pa	arts are available after end of production for: 5 years				$\Box$		
P7.10		s available after end of production for: 5 years		_		Ē		
	Material	and substance requirements						
P7.11*		cover/housing material type:						
		type: PC+ABS Material type: PC+ABS+15%TD Materia	l type:					
P7.12		I cable insulation materials of power cables are PVC free.			$\square$			
P7.13		I cable insulation materials of signal cables are PVC free		$\square$				
P7.14	All cover	/housing plastic parts >25g are free from chlorine and bromine.		$\square$				
P7.15	All printe Note B2	ed circuit boards (without components) >25g are halogen free. as defined in IEC6	1249-2-21. (See					
P7.16	Flame re Marking:	tarded plastic parts >25g in covers / housings are marked according ISO 1043-4: <i>FR(40)</i>		$\square$				
P7.17	Alt. 1 Chemica TBBPA (	I specifications of flame retardants in printed circuit boards >25g (without componer additive) , TBBPA (reactive) , Other; chemical name: 9,10-Dihydro-9-oxa-10 aphenanthrene 10-oxide, CAS #: 35948-25-5						
	ISO 104	I specifications of flame retardants in printed circuit boards (without components) >2 3-4: <i>FR(40)</i>	25g according					
P7.18	concentr Comm	etarded plastic parts >25g contain the following flame retardant substances ations above 0.1%: ent: No legal limits exist, this is a market requirement.	/preparations ir	n 🔀				
	2. Chem 3. Chem Alt. 2	ical name: <i>Phosphorus compounds</i> CAS #: <i>confidential</i> , ical name: , CAS #: ical name: , CAS #: Il specifications of flame retardants in plastic parts >25g according ISO 1043-4:						
P7.19	FR(40)	arts >25g are free from flame retardant substances/ preparations above 0.1% class	ified as P45					
	R40, R4	6, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3)	incu as 1740,	Ä				
P7.20		plastic parts' weight >25g, recycled material content is 7.01%.						
P7.21 P7.22	Light sou	Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%. Alastic parts' weight >25g, biobased material content is 0%.	mg					
P8	Batterie							
P8.1*		hemical composition: Lithium Ion / Lithium Manganese Dioxide						
P8.2	-	meet the requirements of the following voluntary program/s: US Call2Recycle, and	add EPBA.			Ħ		
	JBRC							

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 nu	mber *	20FW	, 20FX								
Issue dat	e *	2015-12-2	9				Logo	Lenovo			
Product	environn	nental attr	ibutes - Market	requirements (	continued)			Requiremen	t met		
Item								Yes No			
P9	Energy	consumptio	on								
9.1	For the p	product the f	ollowing power lev	els or energy cons	umptions are re	ported: See P14					
Energy mo	hergy mode *Power level at 100 V ACPower level at 115 V ACPower level at 230 V ACReference / Standard for energy modes and tes method *										
Peak (On	-max)		90 W	90 W	90 W	Full load					
Catego	ry I3								_		
		OL Enable	d 10.51W	10.37W	10.63W	Use for ENERG	YSTAR	V6.1 registration (P <sub>idle</sub> )			
Long Idle	State - W	OL Enabled	6.37W	6.32W	6.25W	Use for ENERG	YSTAR	V6.1 registration (P <sub>idle</sub> )			
Sleep (S3	B) - WOL E	nabled	1.19W	1.19W	1.25W	Use for ENERG	YSTAR	V6.1 registration (P <sub>sleep</sub> )			
Off (S5) -	WOL Ena	bled	0.35W	0.35W	0.40W			V6.1 registration (P <sub>off</sub> )			
EPS No-lo			0.10W	0.10W	0.17W			<b>0</b> ( 0.0			
(External plugged ir	power sup the wall o	ply / charger outlet but ne product.)									
PTEC * Typical Er	nergy Cons	sumption	4.29 W	<b>4.25</b> W	4.35 W						
TEC * Typical Er	nergy Cons	sumption	0.72 kWh/week	0.72 kWh/week	0.73 kWh/week						
ETEC * Annual Er	nergy Cons	sumption	<b>37.62</b> kWh/year	<b>37.20</b> kWh/year	<b>38.12</b> kWh/year	$E_{TEC} = (8760/10)$ + $P_{long_{ldle}} \times 0.10$		$f x 0.25 + P_{sleep} x 0.35$ $f_{sleep} x 0.30$			
			P <sub>off</sub> : Off Mode(S	5) - WOL Enabled;	P <sub>sleep</sub> : Sleep Mode	(S3) - WOL Enable	d; P <sub>idle</sub> : Idl	le State - WOL Enabled			
Display re	solution*	: <b>2560*1440</b>	Megapixels								
Print Spee	ed *	: Ima	ges per minute								
Default tin	ne to enter	energy save	e mode: 20 minute:	S							
P9.2*	Informat	ion about the	e energy save fund	tion is provided wi	th the product.				┌───		
P9.3*	•	Y STAR® ve	he energy requirenersion: Version 6.1		ng voluntary prod duct category:						
P10	Emissio										
D10 4			eclared according	to ISO 9296	Declared		Deelered	A-weighted			
P10.1	Mode	IVIC	de description		Declared A-weighted sound powe	d sound		A-weighted level $L_{p Am}$ (dB)			
					level $L_{WAd}$		sktop 🔀	Bystander positions (only if product is no operator attended	] t		
	Idle	* /	dle		* 3.1		23	19			
	Operatio		IDD		* 3.2		24	19			
	Other me		CPU operating	_	3.8		31	25	_		
		-	to: X ISO7779 C	(only if not cove		with L <sub>pAm</sub> measu					
P10.2	Acousti	c Test ; STI	he acoustic noise r D-014 ver 3.8 Disc ng Noise Measure	equirements of the rete Tone ; STD-0	following volunt	ary program/s: S	TD-002 ve	er 3.3 🛛 🕄 🗌			

Model nu	imber *	20F	N, 20F	X													
Issue dat	te *	2015-12										Log	0		Lenc	<b>VO</b>	
						_											
	environ	mental a	ttributes -	Marke	t requi	iremen	nts (cor	ntinued	)					F	Require		
Item															Yes	No	n.a
			ons from p														
P10.3*			cording to I				3360) sta	ndard	_, of	ther sp	ecify:						
P10.4	Typical		ate (print pl	nase) is			_										$\ge$
D10 5	Ohania	Dust	Ozone		Styrer		Benz			TVOC							
P10.5		Dust	n requireme Ozo			tvrene		-			met for	TVO	~ 🗖				
			emissions		St	tyrene L		ве	nzer			100					
P10.6			meets the r	equirem	ent for l	low frea	uency e	lectroma	anet	tic field	s of the	following	volur	itary			
1 10.0	progran			equilerii		iow neg	lucinoy c	lootionna	ignet			lonowing	volui	litary			
P11			terials for p	rinting	produc	ts											
P11.1*	A Safet	ty Data Sh	eet (SDS) is	availab	le for the	e ink/tor	ner prep	aration, e	even	ı if not l	egally r	equired (	see P	4.3).			$\times$
P11.2*	Paper of EN1228		post-consu	mer rec	ycled fi	ibers ca	an be us	sed, prov	vide	d that	it meets	s the rec	quirem	ents of			$\ge$
P11.3*	2-sided	l (duplex) p	orinting/copy	ing is ar	n integra	ated pro	duct fun	ction.									$\mathbf{X}$
P12	Ergono	omics for	computing	product	ts												
P12.1*	The dis	play meet	s the ergono	mic requ	uiremen	nts of IS	O 9241-	307 for v	/isua	l displa	y techn	ologies.			$\square$		
P12.2*	The phy	ysical inpu	t device me	ets the r	equirem	nents of	ISO 999	5 and IS	SO 9	241-41	0.						
P13	Packag	ging and c	ocumentat	ion													
P13.1*	Product	t packagin	g material ty g material ty g material ty	pe(s): 1	00% Re	ecycled	l Polyeth	nylene	we	eight (k	g): <b>0.37</b> g): <b>0.13</b> g): <b>0.03</b>	0					
P13.2*	Product	t plastic pa	ckaging is f	ree from	PVC.										$\boxtimes$		
P13.3*			user and pr		ocumen	tation (t	tick box):										
P13.4*	For pap	per user ar	d product d for Japan)		tation, p	lease s	pecify co	ontained	perc	centage	of pos	-consum	ier rec	ycled			
P14	Additio	onal inform	nation (See														
	informa knowled	ition conta dge availa d here is a	nakes no rep ned in this o ble at the tin pproximate	locumer	nt. All int mpletior	formation, and s	on provid upplier s	led by su hall have	upplio e no	er in thi obligat	s docur ion to u	nent is pr pdate su	rovide ch info	d based prmation	l on sup n. The in	plier's format	tion
P9			Qualified N ystar.gov/										w_coc	le=CO			

Note B4: Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

## Legal references Europe Annex B

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

## Lenovo ErP Lot3 Information Sheet - PC / Notebook -

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:

Desktop computer, integrated desktop computer, and notebook computer

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

Commercial name	ThinkPad T460p	Logo
Model Number	20FW, 20FX	Lenovo
Issue Date	2015-12-29	LEHOVO
Additional information		

	onnentai	attibutes			
year of manu	ifacture:				2016
Category (a	ccording t	o ErP Lot 3):	A E	tec: 38.12	
E TEC value enabled:	(kWh) per	ErP Lot 3 Ca	tegory and cap	ability adjustments applied when <b>all c</b>	liscrete graphics cards (dGfx) are
Category (a	ccording t	o ErP Lot 3):		Etec:	
idle state pov	wer deman	d (Watts);			6.30
sleep mode	power dem	and (Watts);			1.17
sleep mode	with WOL e	nabled power	demand (Wat	ts) (where enabled);	1.17
off mode pov	ver demano	d (Watts);			0.29
off mode with	n WOL ena	bled power de	emand (Watts)	(where enabled);	0.30
internal powe	er supply ef	ficiency at 10	%, 20 %, 50 %	and 100 % of rated output power (if	applicable):
10%	20%	50%	100%	Average	
external pow	er supply e	fficiency (if ap	plicable):		
10%	20%	50%	100%	Average ;	
or level: V					
the minimum	number of	loading cycle	s that the batte	eries can withstand (applies only to no	tebook computers): 500 cycles
the measure efficiency:	ement met	hodology use	d to determin	ne information mentioned in points	(I) – internal PSU
the measure	ement met	nodology use	d to determin	e information mentioned in points	(m) – external PSU
efficiency:		0,			. ,
the measure batteries:					
	year of manu E TEC value disabled and Category (a E TEC value enabled: Category (a idle state pow sleep mode of sleep mode of off mode pow off mode pow off mode with internal powe 10% external powe 10% or level: V the minimum the measure efficiency: Measurin the measure batteries:	year of manufacture: E TEC value (kWh) per disabled and if the syst Category (according to E TEC value (kWh) per enabled: Category (according to idle state power demand sleep mode power demand sleep mode power demand off mode with WOL ena internal power supply ef 10% 20% external power supply ef 10% 20% or level: V the minimum number of the measurement meth efficiency: Measuring the Ener the measurement meth batteries: IE	E TEC value (kWh) per ErP Lot 3 Category (according to ErP Lot 3):         E TEC value (kWh) per ErP Lot 3 Category (according to ErP Lot 3):         Category (according to ErP Lot 3):         idle state power demand (Watts);         sleep mode power demand (Watts);         sleep mode power demand (Watts);         off mode with WOL enabled power demand (Watts);         waternal power supply efficiency (if ap 10% 20% 50% 0);         or level: V	year of manufacture:         E TEC value (kWh) per ErP Lot 3 Category and cap disabled and if the system is tested with switchable         Category (according to ErP Lot 3): A         E TEC value (kWh) per ErP Lot 3 Category and cap enabled:         Category (according to ErP Lot 3):         idle state power demand (Watts);         sleep mode power demand (Watts);         sleep mode power demand (Watts);         off mode power demand (Watts);         off mode power demand (Watts);         off mode with WOL enabled power demand (Watts)         internal power supply efficiency at 10 %, 20 %, 50 %         10%       20%       50%       100%         external power supply efficiency (if applicable):       10%       20%       50%       100%         or level: V       the measurement methodology used to determine efficiency:       the measurement methodology used to determine efficiency:         the measurement methodology used to determine efficiency: <i>IEC 61960 measurement methodology</i> used to determine batteries:	year of manufacture:         E TEC value (kWh) per ErP Lot 3 Category and capability adjustments applied when all disabled and if the system is tested with switchable graphics mode with UMA driving the Category (according to ErP Lot 3): A         E TEC value (kWh) per ErP Lot 3): A       Etec: 38.12         E TEC value (kWh) per ErP Lot 3 Category and capability adjustments applied when all canabled:         Category (according to ErP Lot 3):       Etec:         idle state power demand (Watts);         sleep mode power demand (Watts);         sleep mode with WOL enabled power demand (Watts) (where enabled);         off mode power demand (Watts);         off mode with WOL enabled power demand (Watts) (where enabled);         internal power supply efficiency at 10 %, 20 %, 50 % and 100 % of rated output power (if a 10% 20% 50% 100% Average         external power supply efficiency (if applicable):         10% 20% 50% 100% Average ;         or level: V         the measurement methodology used to determine information mentioned in points efficiency:         NA         the measurement methodology used to determine information mentioned in points of the measurement methodology used to determine information mentioned in points of the measurement methodology used to determine information mentioned in points of the measurement methodology used to determine information mentioned in points of the measurement methodology used to determine information mentioned in points of the measurement methodology used to determine information mentioned in points of the measurement

power as c	lefined in Point P9.1	in the P	roduct IT Eco Declaration:							
		IEC	62623 measurement methodology							
(q) sequence	of steps for achieving	g a stab	le condition with respect to power demand::							
IEC 62623 measurement methodology										
(r) description	of how sleep and/o	r off moo	le was selected or programmed:							
	By selectin	g sleep	and/or off mode thru Windows operating system							
(s) sequence off mode:	of events required to	reach t	he mode where the equipment automatically changes to sleep and/or							
	refer to powe	er mana	gement, 20mins automatically reaches sleep mode							
(t) the <b>duration</b> condition w	on of idle state con which does not excee	<b>dition b</b> ed the a	efore the computer automatically reaches sleep mode, or another oplicable power demand requirements for sleep mode (in minutes):	20						
			ser inactivity in which the computer automatically reaches a demand requirement than sleep mode (in minutes):	NA						
(v) the length	of time before the	display	sleep mode is set to activate after user inactivity (in minutes):	10						
(w) information	n on the energy-savi	ng poter	tial of power management functionality:							
			refer to user manual							
(x) user inform	nation on how to ena	ble the	power management functionality:							
			refer to user manual							
	supply system, — inf al testing:	ormatio	test voltage in V and frequency in Hz, — total harmonic distortion of the n and documentation on the instrumentation, set-up and circuits used							
	230V, 50GHz-<0.	5%-ENE	RGY STAR Test Method for Computers, Rev. Aug-2010							
Addition Notebook B		1	Γ							
Yes	No	n/a	This notebook computer is operated by battery/ies that can be accessed and a non-professional user.	I replaced by						
(Battery <b>not</b> user replaceable)	(Battery user replaceable)		The battery[ies] in this product can be easily replaced themselves	by users						
	I	L								

Additional information	