


THE ECO DECLARATION



Annex B2 - Product environmental attributes Computers and computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (N/A for not applicable).
Additional information regarding each item may be found under P15.

Brand *	Lenovo	Logo 
Company name *	Lenovo	
Contact information * e-mail address	Lenovo Environmental Social and Governance environment@lenovo.com	
Internet site *	https://www.lenovo.com/us/en/sustainability-resources/	
Additional information	The latest version of this document can be found at: http://www.lenovo.com/ecodeclaration	

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 Computer
Commercial name *	LOQ 15ARP9
Model number *	83JC
Issue date *	2024-03-21
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

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

About Annex B2


Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:

P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed


P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products.

Model number *	83JC	Logo	
Issue date *	2024-03-21		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	N/A
P1	Hazardous substances and preparations			
P1.1*	Products comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (See legal reference) Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (See legal reference). Comment: Legal reference has no maximum concentration values	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (See legal reference) Comment: Max limit in legal reference when tested according to EN1811:2011-5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): https://www.lenovo.com/us/en/Lenovo-REACH-SVHC-Disclosure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.5*	When internal batteries of a notebook computer cannot be "accessed and replaced by a nonprofessional user", the related text is present and legible on the external packaging (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): https://www.lenovo.com/us/en/compliance/eu-doc for EU https://www.lenovo.com/us/en/compliance/uk-doc for UK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the applicable Eco design requirements for energy-related products, (See legal reference) Required information is; <input checked="" type="checkbox"/> given in item P15 or added to this document, <input checked="" type="checkbox"/> available at (add URL): http://www.lenovo.com/ecodeclaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (https://lenovo.com/recycling).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	83JC	Logo	
Issue date *	2024-03-21		


Product environmental attributes - Market requirements (See General NOTE GN below)			
- Environmental conscious design			Requirement met
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No N/A
P7	Design		
	Disassembly, recycling		
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable (This requirement does not apply to safety/regulatory labels)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Product lifetime		
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.9	Spare parts are available after end of production for: 5 years		<input type="checkbox"/>
P7.10	Service is available after end of production for: 5 years		<input type="checkbox"/>
	Material and substance requirements		
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: PC/ABS+25%Talc Material type: PC/ABS+15%Talc Material type: PC/ABS Material type: Material type: Material type: Material type: Material type: Material type:		
P7.12	Insulation materials of external electrical cables are PVC free	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen as defined in IEC 61249-2-21. (See NOTE B2): Only PCBs > 25g <input checked="" type="checkbox"/> or All PCBs <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according to ISO 1043-4: Marking: >FR(40)<	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input type="checkbox"/> (See NOTE B3), Other; chemical name: DOPO, Cross-linked Phenoxyphosphazene , CAS #: 35948-25-5, 260408-02-4 Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according to ISO 1043-4: FR(40)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: confidential , CAS #: confidential (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according to ISO 1043-4: FR(40)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.


Model number *	83JC	Logo	
Issue date *	2024-03-21		

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	N/A
Material and substance requirements (continued)							
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 0.45% . or b) The weight of recycled material is 4.08 g				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is % . or b) The weight of the biobased plastic material is g				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.23*	If product includes an integral display, the total mercury content in the integrated display: 0.0 mg				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P8 Batteries							
P8.1*	Battery chemical composition: Li-polymer						<input type="checkbox"/>
P9 Energy consumption (See NOTE B8)							
P9.1	For the product the following power levels or energy consumptions are reported:						
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *	<input type="checkbox"/>		
Peak (On-Max)	230 W	230 W	230 W	Full Load			
Device Category 2							
Short Idle State – WOL Enabled (P_{short_idle})	15.49 W	15.54 W	15.68 W	ENERGY STAR Computers V8.0			
Long Idle State – WOL Enabled (P_{long_idle})	6.50 W	6.82 W	7.40 W	ENERGY STAR Computers V8.0			
Sleep (S3) – WOL Enabled (P_{Sleep})	0.72 W	0.72 W	0.75 W	ENERGY STAR Computers V8.0			
Off Mode (S5) – WOL Enabled (P_{off})	0.29 W	0.29 W	0.34 W	ENERGY STAR Computers V8.0			
PS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	0.061 W	0.063 W	0.086 W		<input type="checkbox"/>		
ETEC * Annual Energy Consumption	Cat 1:	kWh/year	kWh/year	kWh/year	Mode Weighting Conventional		
	Cat 2:	49.23 kWh/year	49.67 kWh/year	50.73 kWh/year		<input type="checkbox"/>	
	Typical:	kWh/year	kWh/year	kWh/year			
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : VI				International Efficiency Marking Protocol (IEMP) for External Power Supplies	<input type="checkbox"/>		
Display resolution * : 1920*1080 megapixels					<input type="checkbox"/>		
Default time to enter energy save mode: 5 minutes				ENERGY STAR Computers V8.0	<input type="checkbox"/>		
P9.2*	Information about the energy save function is provided with the product				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3	Energy efficiency class (monitors only):				<input checked="" type="checkbox"/>		

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

Model number *	83JC	Logo	
Issue date *	2024-03-21		

Product environmental attributes - Market requirements (continued)				Requirement met		
Item				Yes	No	N/A
P10 Emissions						
Noise emission – Declared according to ISO 9296 (See NOTE B9)						
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,C}$ (B)			
	Idle	* <i>Idle Mode</i>	* 2.9	<input type="checkbox"/>		
	Operation	* <i>Operating (SSD/HDD)</i> * <i>Operating (CPU)</i>	* 3.1 * 3.5		<input type="checkbox"/>	
	Other Mode	Declared A-weighted sound pressure level (dB)		21.3 (operator position – idle)		
	Other mode	Declared A-weighted sound pressure level (dB)		23.2 (operator position – operating-HDD/SSD) 27.2 (operator position – operating-CPU)		
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input checked="" type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)						
Electromagnetic emissions						
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s):			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P12 Ergonomics for computing products						
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P13 Packaging and documentation						
P13.1*	Product packaging material type(s): <i>Cardboard</i> weight (kg): 0.405 Product packaging material type(s): <i>EPE</i> weight (kg): 0.153 Product packaging material type(s): <i>Bamboo</i> weight (kg): 0.005 Product packaging material type(s): <i>LDPE</i> weight (kg): 0.015 Product packaging material type(s): <i>Coated Paper</i> weight (kg): 0.015 Product packaging material type(s): weight (kg): Product packaging material type(s): weight (kg):					
P13.2*	Product plastic primary packaging is free from PVC			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: 87.74 %					<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>					<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free			<input type="checkbox"/>	<input checked="" type="checkbox"/>	
P14 Voluntary programs						
P14.1	The product meets the requirements of the following voluntary program(s): Not ENERGY STAR Certified Criteria version: Date: Product category: Eco-label: Criteria version: Date: Product category: Eco-label: Criteria version: Date: Product category:					
P15 Additional information (See NOTE B10)						
P9 Energy consumption of computer products; description of the tested product configuration:						
P7.7	In further explanation of Upgradability (P7.7/P7.8), the following components can be upgraded:					
P7.8	Processor Upgradeable with special tools Memory Upgradeable with special tools Cards Upgradeable with special tools Drives/Storage Not Upgradeable					
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NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

NOTE B10 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 B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)* * Specific exemptions apply for certain products and applications.	P1.1, P3.1
Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2.3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
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	P2.4, P2.5, P3.1, P3.2, P7.23, P9.1
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive) Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register. Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	P6.1

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	LOQ 15ARP9	Logo 
Model Number	83JC	
Issue Date	2024-03-21	
Additional information		

P7.1.1 Product environmental attributes

(d)

year of manufacture:

2024

(e)

Etec value (kWh) per ErP Lot 3 Category and capability adjustments applied when all discrete graphics cards (dGfx) are disabled and if the system is tested with switchable graphics mode with UMA driving the display

(f)

Etec value (kWh) per ErP Lot 3 Category and capability adjustments applied when all discrete graphics cards (dGfx) are enabled

		Category A (according to ErP Lot 3)	Category B (according to ErP Lot 3)	Category C (according to ErP Lot 3)	Category D (according to ErP Lot 3)
capability adjustments applied during testing	Memory over base [GB]			32	
	Additional internal storage	(Yes / No)	(Yes / No)	Yes (Yes / No)	(Yes / No)
	Discrete television tuner	(Yes / No)	(Yes / No)	No (Yes / No)	(Yes / No)
	Discrete Audio Card	(Yes / No)	(Yes / No)	No (Yes / No)	(Yes / No)
	Discrete graphics Card(s) [number / #]	#: (Yes / No)	#: (Yes / No)	Yes #: 1 (Yes / No)	#: (Yes / No)
	Category of discrete graphics Card(s)			G6	
Test results	Etec Value (kWh) - dGfx disabled all discrete graphics cards (dGfx) are disabled/ UMA is active for switchable graphics/ product has no graphics cards (dGfx)				
	Etec Value (kWh) - dGfx enabled all discrete graphics cards (dGfx) are enabled			21.87	

(g)

Idle state power demand (Watts);

7.40 W

(h)

Sleep mode power demand (Watts);

0.75 W

(i)

Sleep mode with WOL enabled power demand (Watts) (where enabled);

0.75 W

(j)

Off mode power demand (Watts);

0.34 W

(k)

Off mode with WOL enabled power demand (Watts) (where enabled);

W

(l)

Internal power supply efficiency at 10%, 20%, 50% and 100% of rated output power (if applicable):

Internal Power Supply Model	Output Power	10% Load Efficiency	20% Load Efficiency	50% Load Efficiency	100% Load Efficiency
	W				
	W				
	W				
	W				
	W				

(m)	external power supply efficiency (if applicable)*:																																
	<table><tr><th>Power Adapter Model</th><th>Output Power</th><th>Average Active Efficiency</th></tr><tr><td>ADL230SCC3A</td><td rowspan="3">230 W</td><td>92.62%</td></tr><tr><td>ADL230SDC3A</td><td>92.33%</td></tr><tr><td>ADL230SLC3A</td><td>92.38%</td></tr><tr><td>ADL170SCC3A</td><td rowspan="3">170 W</td><td>92.00%</td></tr><tr><td>ADL170SDC3A</td><td>92.53%</td></tr><tr><td>ADL170SLC3A</td><td>92.67%</td></tr><tr><td>ADL135SCC3B</td><td rowspan="3">135 W</td><td>92.28%</td></tr><tr><td>ADL135SDC3A</td><td>91.63%</td></tr><tr><td>ADL135SLC3A</td><td>91.58%</td></tr><tr><td></td><td>W</td><td></td></tr><tr><td></td><td>W</td><td></td></tr></table>	Power Adapter Model	Output Power	Average Active Efficiency	ADL230SCC3A	230 W	92.62%	ADL230SDC3A	92.33%	ADL230SLC3A	92.38%	ADL170SCC3A	170 W	92.00%	ADL170SDC3A	92.53%	ADL170SLC3A	92.67%	ADL135SCC3B	135 W	92.28%	ADL135SDC3A	91.63%	ADL135SLC3A	91.58%		W			W			
Power Adapter Model	Output Power	Average Active Efficiency																															
ADL230SCC3A	230 W	92.62%																															
ADL230SDC3A		92.33%																															
ADL230SLC3A		92.38%																															
ADL170SCC3A	170 W	92.00%																															
ADL170SDC3A		92.53%																															
ADL170SLC3A		92.67%																															
ADL135SCC3B	135 W	92.28%																															
ADL135SDC3A		91.63%																															
ADL135SLC3A		91.58%																															
	W																																
	W																																
	*internal note: show values for all available external power supplies																																
(o)	Minimum number of loading cycles that the batteries can withstand (applies only to notebook computers):		300 cycles																														
(p-1)	Measurement methodology used to determine information mentioned in points (l) – internal PSU efficiency:		Not Applicable																														
(p-2)	Measurement methodology used to determine information mentioned in points (m) – external PSU efficiency:		EN 50563:2011																														
(p-3)	Measurement methodology used to determine information mentioned in points (o) – loading cycles batteries:		EN 50563:2011																														
(p-4)	Measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration:		ENERGY STAR Computers V8 / IEC 62632:2013																														
(q)	Sequence of steps for achieving a stable condition with respect to power demand: EN 61960 Measurement Methodology																																
(r)	Description of how sleep and/or off mode was selected or programmed: Begin menu -> Power -> Select sleep or off mode																																
(s)	Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode: Refer to User Guide																																
(t)	Duration of idle state condition before the computer automatically reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode (in minutes):		5 minutes																														
(u)	Length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode (in minutes):		minutes																														
(v)	Length of time before the display sleep mode is set to activate after user inactivity (in minutes):		5 minutes																														
(w)	Information on the energy-saving potential of power management functionality: Refer to User Guide																																
(x)	user information on how to enable the power management functionality: Refer to User Guide																																

(z)

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 and Frequency 230V / 50Hz

Power Measurement Circuit

TBD

Test Parameters

Temperature	25.0° C
Humidity Range	65.0%
Total Harmonic Distortion of Electrical Supply System	2.0%

Test Instruments

Instrument Type	Make/model of Equipment	Date of Last Calibration
AC power Source	EXTECH 6800 series	07/06/23
Power Meter	YOKOGAWA WT210	07/06/23
Timer		

Additional Notebook Battery Information:			
	Battery[ies] not user replaceable The battery[ies] in this product cannot be easily replaced by users themselves. ⁽¹⁾	Battery[ies] are user replaceable	N/A
Internal/built-in Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External/detachable Battery	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bios Backup Battery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional information			

¹⁾

The battery[ies] in this product cannot be easily replaced by users themselves.

Акумулаторната[ите] батерия[и] в този продукт не може да се замени[ят] лесно от самите потребители.

Las baterías de este producto no pueden ser sustituidas fácilmente por los propios usuarios.

Výměnu baterie/baterií v tomto výrobku by neměli provádět sami uživatelé.

Brugeren kan ikke uden videre udskifte batteriet/batterierne i dette produkt.

Der Akku/die Akkus dieses Produkts kann/können nicht ohne weiteres vom Benutzer selbst ausgetauscht werden.

Kasutajad ei saa selle toote akut/akusid ise hõlpsasti asendada.

Η μπαταρία[ες] στο προϊόν αυτό δεν μπορούν να αντικατασταθούν εύκολα από τους ίδιους τους χρήστες.

La/les batterie(s) présente(s) dans ce produit ne peuvent être facilement remplacée(s) par les utilisateurs eux-mêmes.

Korisnik ne može lako zamijeniti Bateriju sam u ovom proizvodu.

La batteria/le batterie in questo prodotto non può/possono essere facilmente sostituita/e dall'utente.

Lietotāji paši nevar nomainīt šā ražojuma akumulatoru(-us).

Šio gaminio baterijos [baterijų] pats vartotojas negali lengvai pakeisti.

A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni.

Il-batterija/batteriji f'dan il-prodott ma tistax/jistghux tiġi/jiġu sostitwita/i mill-utenti stess.

Batteriet [ene] i dette produktet kan ikke lett erstattes av brukerne selv.

De batterij(en) in dit product is (zijn) door de gebruiker niet gemakkelijk vervangbaar.

Użytkownik nie może sam w łatwy sposób wymienić baterii w tym produkcie.

A ou as baterias deste produto não podem ser facilmente substituídas pelos próprios utilizadores.

Bateria (bateriile) din acest produs nu poate (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși.

Batériu(-ie) v tomto výrobku nemôže vymeniť používateľ.

Baterij/baterije v tem izdelku uporabniki sami ne morejo zlahka zamenjati.

Tämän tuotteen akku [akut] ei[vät] ole helposti käytettävän vaihdettavissa.

Det är inte enkelt för kunden att själv byta ut batteriet/batterierna.

Bu üründe ki batarya(lar) kullanıcılar tarafından kolaylıkla değiştirilemez.