Technical Documentation of (EU) No 617/2013

Product type	Desktop computer		
Product category	В	С	D
Manufacturer name, address	Acer Italy s.r.l. Via Lepetit, 40, 20020 Lai	<u> </u>	-
Product model number	VX4220 B	VX4220 C	VX4220 D
Year of manufacture		2019	
E _{TEC} allowance with capability			
adjustments when discrete graphics	174 kWh/year	196 kWh/year	210 kWh/year
cards are disabled (from 1 January E _{TEC} allowance with capability			
adjustments when discrete graphics	246 kWh/year	268 kWh/year	282 kWh/year
cards are enabled (from 1 January	,	,	
Whether all discrete graphics card are	Yes	Yes	Yes
enabled during the test	1 69	1 69	1 69
Whether switchable graphics mode with	No	No	No
UMA is driving the display during the		110	110
E _{TEC} of highest power-demanding	161.23 kWh/year	159.52 kWh/year	159.52 kWh/year
configuration	-	-	-
Idle state power demand	45.38 Watt		
Sleep mode power demand	0.99 Watt	1.18 Watt	1.18 Watt
Sleep mode with WOL enabled power demand	1 Watt	1.19 Watt	1.19 Watt
Off mode power demand	0.37 Watt	0.47 Watt	0.47 Watt
Off mode with WOL enabled power			
demand	0.37 Watt	0.47 Watt	0.47 Watt
Maximum power demand	Not applicable	Not applicable	Not applicable
p a same p	10% - 95.54%	10% - 95.54%	10% - 95.54%
Internal power supply (IPS) efficiency at	20% - 91.35%	20% - 91.35%	20% - 91.35%
10 %, 20 %, 50 % and 100 % of rated	50% - 92.74%	50% - 92.74%	50% - 92.74%
output power	100% - 90.54%	100% - 90.54%	100% - 90.54%
	100 /6 - 90.34 /6	100 /6 - 90.34 /6	100 /0 - 90.54 /0
External power supply's (EPS) average	Not applicable	Not applicable	Not applicable
active efficiency	'''	'''	'''
Noise levels (the declared A-weighted	3.00 B	3.00 B	3.00 B
sound power level, L _{WAd}) of idle mode	0.00 B	0.00 B	0.00 B
Noise levels (the declared A-weighted			
sound power level, L _{WAd}) of "HDD	3.10 B	3.10 B	3.10 B
random seek" mode			
Minimum number of loading cycles that	Not applicable	Not applicable	Not applicable
the batteries can withstand	Trot applicable		rvot applicable
Configuration of memory (GB)	2~64	2~64	4~64
Configuration of internal storage (piece)	1	1	1
Configuration of discrete television tuner	0	0	0
(piece)			
Configuration of discrete audio card	0	0	0
Configuration of discrete graphics cards (piece)	0~1	0~1	0~1
Configuration of discrete graphics cards	CF.	CF.	CF.
category	G5	G5	G5

The external package of the notebook provides the information, "The battery in this product cannot be easily replaced by users themselves."	Not applicable	Not applicable	Not applicable
For products with an integrated display, the total content of mercury is	Not applicable	Not applicable	Not applicable
Measurement methodology for Ετες	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: ANNEX II Ecodesign requirements and timetable: 1.1.1. E _{TEC} formula.		
Measurement methodology for idle mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.5. Measuring short idle mode; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy; Annex E.2 (informative) ENERGY STAR® V5 compliant testing methodology.		
Measurement methodology for sleep mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption 5.2. Test setup; 5.3.3. Measuring sleep mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy.		
Measurement methodology for off mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption 5.2. Test setup; 5.3.2. Measuring off mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy.		
Measurement methodology for IPS efficiency	Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac- Dc and Dc-Dc Power Supplies Revision 6.6 (April,2012).		
Measurement methodology for EPS efficiency	Not applicable		

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Measurement methodology for noise level	ECMA-109 2nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment: 4. Determination of the declared noise emission values. ECMA-74 11th edition (December 2010) Measurement of Airborne Noise emitted by Information Technology and Telecommunications Equipment: 5. Installation and operating instructions; 6. Method for determination of sound power levels of equipment in reverberation test rooms; 7. Method for determination of sound power levels of equipment under essentially free-field conditions over a reflecting plane; Annex C.15 Equipment category: personalcompute rs and workstations.
Measurement methodology for battery loading cycles	Not applicable
Sequence of steps for achieving a stable condition with respect to power demand	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.3.3. Measuring sleep mode; 5.3.5. Measuring short idle mode.
Description of how sleep mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption 5.2. Test setup; 5.3.3. Measuring sleep mode;
Description of how off mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption 5.2. Test setup; 5.3.2. Measuring off mode;
Sequence of events required to reach the mode where the equipment automatically changes to sleep mode	ENERGY STAR [®] Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct-2013: 1.D.4 Sleep Mode.
Sequence of events required to reach the mode where the equipment automatically changes to off mode	Not applicable
reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode.	30 minutes
The 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	30 minutes
The length of time before the display sleep mode is set to activate after user inactivity	10 minutes

User information on the energy-saving potential of power management	http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users_
l' '	nttp://www.energystar.gov/index.cimr.c=power_nigt.pr_power_nigt_users
functionality	
User information on how to enable the	http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users
power management functionality	intp://www.energystar.gov/index.cim: c=power_mgt.pr_power_mgt_dsers
Test parameter for ambient temperature	25 °C
Test parameter for test voltage	230 V
Test parameter for frequency	50 Hz
Test parameter for total harmonic	3 %
distortion of the electricity supply system	3 /6
Test parameter for information and	
documentation on the instrumentation,	AC source- Chroma 6530
set-up and circuits used for electrical	Digital meter- YOKOGAWA WT210
testing	