



Workstation and Thin Client Computer
Product Environmental Information Declaration Form for
COMMISSION REGULATION (EC) No 617/2013

SUBJECT: Product Environmental Information Declaration

DATE OF DECLARATION: 2016-05-16

Regulatory Reference:	Commission Regulation (EU) No. 617/2013 of June 26, 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers
Product Type:	Integrated Desktop Computer
Manufacturer's Name:	Hewlett Packard Company 3000 Hanover Street Palo Alto, CA 94303-1112 United States of America
Product Model Number:	HP Z1 G3 24in All-in-One Non-Touch Workstation
Year of Manufacture:	2016
Product Category:	Not Applicable
Regulatory Model Number (RMN):	FCLSA-1501



Workstation and Thin Client Computer
Product Environmental Information Declaration Form for
COMMISSION REGULATION (EC) No 617/2013

Number 7.3.1 (e1)

Internal power supply efficiency.

Internal Power Supply Efficiency at 230 VAC	
20% Efficiency	91.82%
50% Efficiency	92.72%
100% Efficiency	89.10%

Number 7.3.1 (e2)

External power supply efficiency.

External Power Supply Efficiency at 230 VAC	
0% No Load Efficiency (Unit of Measure in Watts)	Not Applicable
25% Average Active Mode Efficiency (Unit of Measure in %)	Not Applicable
50% Average Active Mode Efficiency (Unit of Measure in %)	Not Applicable
75% Average Active Mode Efficiency (Unit of Measure in %)	Not Applicable
100% Average Active Mode Efficiency (Unit of Measure in %)	Not Applicable



**Workstation and Thin Client Computer
Product Environmental Information Declaration Form for
COMMISSION REGULATION (EC) No 617/2013**

Number 7.3.1 (f)

Test parameters for measurements.

Test Parameters	
Test voltage (V) and frequency(Hz)	230 Volts AC (± 1%), 50 Hz (±1%)
Total harmonic distortion of the electricity supply system	+/- 1%
Information and documentation on the instrumentation, set-up and circuits used for electrical testing	Details for internal power supply test setup and conduct are as specified in Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6 (April, 2012)

Number 7.3.1 (g) – (j)

Idle state; sleep mode; sleep mode with WOL enabled; off mode; and off mode with WOL enabled power demand.

State/Mode	Power Demand (Watts)
(g) Maximum power	475.46
(h) Idle state power	34.37
(i) Sleep mode power	1.74
(j) Off mode power	1.03

Number 7.3.1 (k)

Noise levels (the declared A-weighted sound power level) of the computer.

Acoustic Noise Levels (Bels)	
Idle	1.5
Operation	2.0

Number 7.3.1 (l)

The measurement methodology used to determine information mentioned in Number 7.3.1 (e) through (k).



Workstation and Thin Client Computer
Product Environmental Information Declaration Form for
COMMISSION REGULATION (EC) No 617/2013

Number Reference	Methodology
7.3.1 (e) through (j)	Energy Efficiency testing is performed with an AC input of 230 (\pm 1%) Volts AC, 50 Hz (\pm 1%). Test information including required instrumentation, setup etc. for Computers is detailed in EC 62623 Edition 1.0 2012-10 - Desktop and notebook computers - Measurement of energy consumption. Test information including required instrumentation, setup etc. for Internal Power Supplies is detailed in Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6 (April, 2012). For external power supplies, EN 50563:2011.
7.3.1 (k)	ECMA-74 11th edition (December 2010) Measurement of Airborne Noise emitted by Information Technology and Telecommunications Equipment And ECMA-109 2nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment.