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: 2022 February 22

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:	Desktop Workstation
Manufacturer's Name:	HP Inc. 1501 Page Mill Road, Palo Alto, CA 94304
Product Model Number:	HP Z2 SFF G9 Workstation Desktop PC
Year of Manufacture:	2022
Product Category:	Not Applicable
Regulatory Model Number (RMN):	FCW-F002SF-550 FCW-F002SF-450 FCW-F002SF-260

Number 7.3.1 (e1)

Internal power supply efficiency.

Internal Power Supply Efficiency at 230 VAC	
20% Efficiency	92.62%
50% Efficiency	92.63%
100% Efficiency	90.17%

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)	N/A
25% Average Active Mode Efficiency (Unit of Measure in %)	N/A
50% Average Active Mode Efficiency (Unit of Measure in %)	N/A
75% Average Active Mode Efficiency (Unit of Measure in %)	N/A
100% Average Active Mode Efficiency (Unit of Measure in %)	N/A

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	223.2
(h) Idle state power	41.6284
(i)Sleep mode power	2.3446
(j) Off mode power	2.3446

Number 7.3.1 (k)

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

Acoustic Noise Levels (Bels)	
Idle	3.4
Operation	4.3

Number 7.3.1 (l)

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

Number Reference	Methodology
7.3.1 (e) through (j)	Energy Efficiency testing is performed with an AC input of 230 (± 1%) Volts AC, 50 Hz (± 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.