



Technical Documentation for EU Regulation 2019/424 laying down ecodesign requirements for servers and data storage product pursuant to Directive 2009/125/EC

7/22/2022

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Product Information			
Machine Type(s)	Model(s)	Part Number	Product Type
9105, 9786	42A, 42H	-	Resilient server (2 socket) - Rack Drawer System

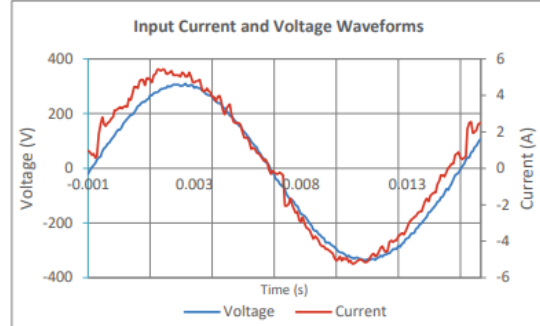
Manufacturer's name, registered trade name and registered trade address:



Year of manufacture - 2022

Power Supply Unit (PSU) efficiency, power factor and rated power output:

ID Number	50-2020.1
Manufacturer	IBM
Model Number	AWF2DC1600W-1
Serial Number	02PX119YL30NH22R186
Year	2022
Type	1U
Test Date	04/18/22



Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	12/9	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,600	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 5.052%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12.3V	12.3Vsb		
0.822	0.9224	21.08%	10%	Low	174.44	1.92	12.27/12.48	12.25/0.57	160.15	91.80%
1.531	0.9597	9.13%	20%	Light	338.06	1.80	12.26/24.95	12.21/1.15	319.96	94.65%
3.643	0.9900	5.05%	50%	Typical	829.42	1.92	12.22/62.39	12.15/2.86	797.46	96.15%
7.277	0.9969	4.13%	100%	Full	1668.89	8.52	12.16/124.77	12.05/5.73	1586.12	95.04%

* Fan power is not included in the efficiency calculations



Server product family configurations

	1-socket configuration		2-socket configuration		3-socket configuration		4-socket configuration	
	High-end	Low-end	High-end	Low-end	High-end	Low-end	High-end	Low-end
(a)	717.3	501.5	1139.4	714.1	n/a	n/a	n/a	n/a
(b)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(c)	1416.2	1021.6	2219	1560.9	n/a	n/a	n/a	n/a
(d)	A3	A3	A3	A3	n/a	n/a	n/a	n/a
(e)	1028.3	812.5	1450.4	1025.1	n/a	n/a	n/a	n/a
(f)	14, 13.6	11.5, 8	18.3, 27	14.3, 15.8	n/a	n/a	n/a	n/a
list of all components for additional idle power allowances, if any (additional PSU, HDDs or SSDs, additional memory, additional buffered DDR channels, additional I/O devices)								
(g)	1	1	2	2	n/a	n/a	n/a	n/a
(h)	2	2	2	2	n/a	n/a	n/a	n/a
(i)	0	0	0	0	n/a	n/a	n/a	n/a
(j)	2	2	2	2	n/a	n/a	n/a	n/a
(k)	4190	258	8384	520	n/a	n/a	n/a	n/a
(l)	8	8	24	24	n/a	n/a	n/a	n/a
Installed I/O devices greater than two ports of >= 1 Gbit, onboard Ethernet								
(m)	1	1	1	1	n/a	n/a	n/a	n/a
(n)	0	0	0	0	n/a	n/a	n/a	n/a
(o)	0	0	0	0	n/a	n/a	n/a	n/a
(p)	0	0	0	0	n/a	n/a	n/a	n/a
(q)	0	0	0	0	n/a	n/a	n/a	n/a

- a Measured idle state power, expressed in Watts and rounded to the first decimal place
- b Calculated idle state power, expressed in Watts and rounded to the first decimal place
- c Maximum power, expressed in Watts and rounded to the first decimal place
- d Declared operating condition class
- e Idle state power (Watts) at the higher boundary temperature of the declared operating condition class
- f Active state efficiency and the performance in active state of the server
- g CPU Performance: quantity
- h Additional PSU installed explicitly for power redundancy: quantity
- i HDD installed: quantity
- j SSD installed: quantity
- k Installed memory greater than 4 GB: quantity
- l Installed buffered DDR channels greater than 8 channels: quantity
- m = 1 Gb/s : quantity
- n > 1 Gb/s and < 10 Gb/s: quantity
- o >= 10 Gb/s and < 25Gb/s: quantity
- p >= 25 Gb/s and < 50Gb/s: quantity
- q >= 50 Gb/s: quantity

Secure data functionality:

[Secure data deletion for devices by using stand-alone diagnostics - IBM Documentation](#)

[Secure data deletion for devices by using stand-alone diagnostics - IBM Documentation](#)



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