



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	22B	-	Resilient server (2 socket) - Rack Drawer System

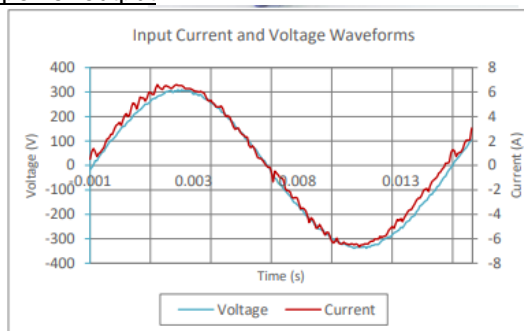
Manufacturer's name, registered trade name and registered trade address:



Year of manufacture - 2022

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

ID Number	SO-1948
Manufacturer	IBM
Model Number	700-015217
Serial Number	11S03FP379YL30KY1860Z8
Year	2021
Type	1U
Test Date	11/23/21



Input AC Current Waveform (ITHD = 3.03%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	12/10	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,000	Watts

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

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	12Vsb		
0.98	0.96	9.62%	10%	Low	216	1.17	12.32/15.72	12.3/0.58	201	93.02%
1.86	0.99	3.84%	20%	Light	422	1.17	12.31/31.38	12.29/1.17	401	95.05%
4.55	1.00	3.03%	50%	Typical	1045	1.56	12.3/78.66	12.24/2.92	1003	96.02%
9.21	1.00	4.19%	100%	Full	2108	20.99	12.27/157.32	12.17/5.84	2001	94.94%

* 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)	316.1	307.7	457.2	446.6	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)	466.7	393.5	792.2	624.8	n/a	n/a	n/a	n/a
(d)	A3	A3	A3	A3	n/a	n/a	n/a	n/a
(e)	459.1	450.7	600.2	589.6	n/a	n/a	n/a	n/a
(f)	15.1, 5.2	9, 2.7	18.5, 10.3	11.7, 5.4	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)	1	1	1	1	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)	520	127	1044	258	n/a	n/a	n/a	n/a
(l)	0	0	8	8	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](#)



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