



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
9043	MRX	-	Resilient server (4 socket) - Rack Drawer System

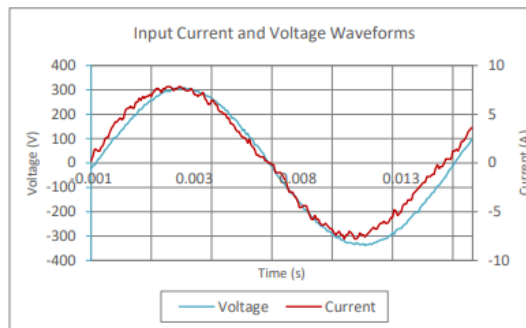
Manufacturer's name, registered trade name and registered trade address:



Year of manufacture - 2022

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

ID Number	SO-1946
Manufacturer	IBM
Model Number	700-015218
Serial Number	11S00E5464YL30KY1750UM
Year	2021
Type	1U
Test Date	11/23/21



Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,300	Watts

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

Input AC Current Waveform (ITHD = 4.69%, 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	12Vsb		
1.11	0.96	7.33%	10%	Low	247	1.17	12.32/18.2	12.3/0.59	231	93.71%
2.13	0.99	2.93%	20%	Light	484	1.17	12.31/36.34	12.29/1.18	462	95.42%
5.28	0.99	4.69%	50%	Typical	1204	4.17	12.32/90.86	12.27/2.95	1156	96.01%
10.72	1.00	2.51%	100%	Full	2462	11.34	12.36/181.67	12.25/5.91	2317	94.14%

* 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)	n/a	n/a	1039.6	713.7	1850.8	991.3	1934.9	991.3
(b)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
(c)	n/a	n/a	1963	1250.6	2848	1821.4	3692.8	2351.6
(d)	n/a	n/a	A3	A3	A3	A3	A3	A3
(e)	n/a	n/a	1482.6	1156.7	2293.8	1434.3	2377.9	1434.3
(f)	n/a	n/a	20.9, 28.8	17.5, 15.9	21.4, 41.9	18.4, 23.8	21.9, 55.8	19, 31.3
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)	n/a	n/a	2	2	3	3	4	4
(h)	n/a	n/a	2	2	2	2	2	2
(i)	n/a	n/a	0	0	0	0	0	0
(j)	n/a	n/a	2	2	2	2	2	2
(k)	n/a	n/a	8384	1044	12578	1568	16773	2093
(l)	n/a	n/a	24	24	40	40	56	56
Installed I/O devices greater than two ports of >= 1 Gbit, onboard Ethernet								
(m)	n/a	n/a	1	1	1	1	1	1
(n)	n/a	n/a	0	0	0	0	0	0
(o)	n/a	n/a	0	0	0	0	0	0
(p)	n/a	n/a	0	0	0	0	0	0
(q)	n/a	n/a	0	0	0	0	0	0

- 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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