



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

March 4, 2021

The following information is based on IBM's knowledge as of the date of this document, which may be based on its records and information from third parties. This documentation applies to finished products that IBM newly puts on the market in the European Union and other jurisdictions which require this Technical Documentation as of the above date.

Product Information			
Machine Type(s)	Model(s)	Part Number	Product Type
4657	924, U7D	-	Online data storage

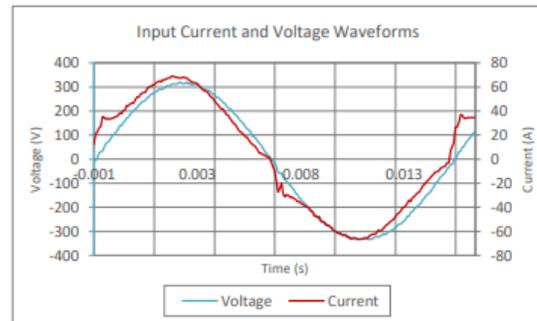
Manufacturer's name, registered trade name and registered trade address:

IBM
 Marca Registrada
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 International Business Machines Corporation
 New Orchard Road Armonk, New York 10504

Year of manufacture
 2022

Power Supply Unit (PSU) efficiency and power factor:

ID Number	SO-1666
Manufacturer	Delta Electronics (Thailand) Public Co., Ltd.
Model Number	TDPS-2000AB-18 A
Serial Number	GGPT1952000090
Year	2020
Type	1U
Test Date	01/30/20



Input AC Current Waveform (ITHD = 7.01%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	12.5/10	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,000	Watts

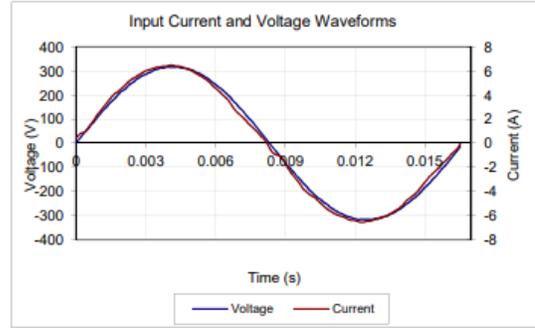
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

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
							12V	12Vsb		
1.05	0.96	10.75%	10%	Low	230	24.36	12.04/16.5	12.07/0.2	201	87.28%
1.92	0.98	5.40%	20%	Light	433	24.48	12.04/33.02	12.05/0.4	402	92.90%
4.63	1.00	7.01%	50%	Typical	1061	24.36	12.01/82.54	12.01/0.99	1003	94.54%
9.35	1.00	4.01%	100%	Full	2149	24.24	11.96/165.06	11.97/1.99	1997	92.94%

* Fan power is not included in the efficiency calculations



Ecos ID #	SO-789
Manufacturer	Compuware Technology Inc.
Model Number	CPR-2021-2M1
Serial Number	N/A
Year	2014
Type	1U
Test Date	08/21/14



Rated Specifications	Value	Units
Input Voltage	100-120 / 200-240	Volts
Input Current	12.5 - 9.8	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.

Input AC Current Waveform (ITHD = 3.33%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
1.01	0.95	10.84	10%	Low	221	0.84	12.14/16.33	11.94/0.34	202	91.46%
1.92	0.98	8.61	20%	Light	434	1.44	12.14/32.7	11.9/0.68	405	93.40%
4.66	1.00	3.33	50%	Typical	1070	2.28	12.12/81.78	11.8/1.71	1012	94.55%
9.52	1.00	2.33	100%	Full	2189	12.60	12.08/163.48	11.69/3.42	2014	92.02%

* Fan power is not included in the efficiency calculations

Declared operating condition class

A4

This product has been tested in order to verify that it will function within the boundaries of the declared operating condition class.

Secure data deletion functionality URL:

<https://www.ibm.com/docs/en/flashsystem-7x00/8.5.x?topic=overview-secure-data-deletion>

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