



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

6/14/2024

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Product Information			
Machine Type(s)	Model(s)	Part Number	Product Type
9028	21B	-	Resilient server (1 socket) - Rack Drawer System

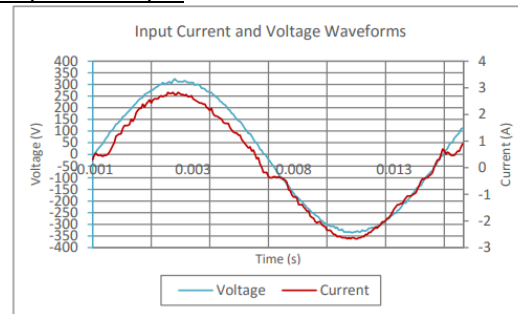
Manufacturer's name, registered trade name and registered trade address:



Year of manufacture - 2022

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

ID Number	SO-1296
Manufacturer	AcBel Polytech Inc.
Model Number	FSG032
Serial Number	N/A
Year	2017
Type	1U
Test Date	08/08/17



Input AC Current Waveform (ITHD = 0.0744%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	10/5	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	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		
0.42	0.93	9.28%	10%	Low	89	12.60	12.21/6.48	12.21/0.2	82	91.36%
0.76	0.98	8.40%	20%	Light	172	12.60	12.21/12.97	12.2/0.4	163	95.01%
1.86	0.99	7.44%	50%	Typical	424	12.24	12.2/32.42	12.17/1	408	96.13%
3.75	1.00	5.01%	100%	Full	860	11.88	12.19/64.83	12.12/2	814	94.70%

* 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)	186.9	173.2	n/a	n/a	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)	358	270.7	n/a	n/a	n/a	n/a	n/a	n/a
(d)	A3	A3	n/a	n/a	n/a	n/a	n/a	n/a
(e)	219.9	206.2	n/a	n/a	n/a	n/a	n/a	n/a
(f)	17.6, 5.3	11.6, 2.9	n/a	n/a	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	n/a	n/a	n/a	n/a	n/a	n/a
(h)	1	1	n/a	n/a	n/a	n/a	n/a	n/a
(i)	0	0	n/a	n/a	n/a	n/a	n/a	n/a
(j)	2	2	n/a	n/a	n/a	n/a	n/a	n/a
(k)	258	61	n/a	n/a	n/a	n/a	n/a	n/a
(l)	0	0	n/a	n/a	n/a	n/a	n/a	n/a
Installed I/O devices greater than two ports of >= 1 Gbit, onboard Ethernet								
(m)	1	1	n/a	n/a	n/a	n/a	n/a	n/a
(n)	0	0	n/a	n/a	n/a	n/a	n/a	n/a
(o)	0	0	n/a	n/a	n/a	n/a	n/a	n/a
(p)	0	0	n/a	n/a	n/a	n/a	n/a	n/a
(q)	0	0	n/a	n/a	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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