



**Technical Documentation for Ukraine Technical Regulation on Ecodesign Requirements for Computers and Computer Servers, Resolution No. 737**

2/21/2021

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<b>Product Information</b>			
<b>Machine Type(s)</b>	<b>Model(s)</b>	<b>Part Number</b>	<b>Product Type</b>
8335	GTG, GTH	-	Computer server

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

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

Year of manufacture

**2021**

Noise levels (declared A-weighted sound power level of the computer)

Table 2. Noise emissions for the 8335-GTC, 8335-GTG, and 8335-GTH

<b>Product description</b>	<b>Declared A-weighted sound power level, <math>L_{Wad}</math> (B) <sup>1, 2, 3</sup></b>	
	<b>Operating</b>	<b>Idle</b>
8335-GTC, 8335-GTG, and 8335-GTH at 23°C (73.4°F)	8.3	6.6
8335-GTC, 8335-GTG, and 8335-GTH at 27°C (80.6°F) <sup>5</sup>	8.3	7.2
8335-GTC, 8335-GTG, and 8335-GTH at 40°C (104°F) <sup>5</sup>	9.2	7.8

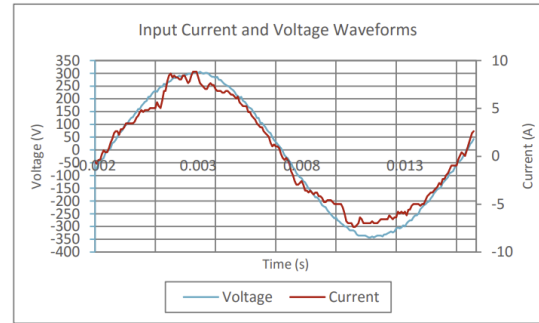


Internal/external power supply efficiency

<b>ID Number</b>	SO-1279
<b>Manufacturer</b>	AcBel Polytech Inc.
<b>Model Number</b>	FSF069
<b>Serial Number</b>	11S01KL779YL10A075B10C
<b>Year</b>	2017
<b>Type</b>	CUSTOM
<b>Test Date</b>	06/01/17

Rated Specifications	Value	Units
Input Voltage	200-277	Volts
Input Current	12	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>2,200</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 8.13%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12.2V	12Vsb		
1.20	0.90	8.36	10%	Low	250	1.92	12.27/17.83	12.26/0.25	222	88.86%
2.17	0.96	5.76	20%	Light	481	2.64	12.27/35.67	12.24/0.5	444	92.31%
5.17	0.99	8.13	50%	Typical	1177	16.56	12.25/90.14	12.2/1.24	1120	95.11%
10.43	0.99	3.44	100%	Full	2386	9.72	12.23/178.28	12.12/2.48	2210	92.62%

\* Fan power is not included in the efficiency calculations

Maximum power (watts)

**728 watts**

Idle State power (watts)

**346 watts**

Sleep mode power (watts)

**Not applicable for computer servers**

Off mode power (watts)

**26 watts**

Test parameters	Properties
Test voltage and frequency	230 V ac at 50 Hz or 60 Hz
Total harmonic distortion of the electricity supply system	The maximum harmonic content of the input voltage waveform is equal to or less than 2%. The qualification is compliant with EN 61000-3-2.
Information and documentation on the instrumentation setup and circuits that are used for electrical testing	SPEC SERT suite version 2.x ECOVA Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies
Measurement methodology that is used to determine information in this document	SPEC SERT suite version 2.x ECOVA Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies

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