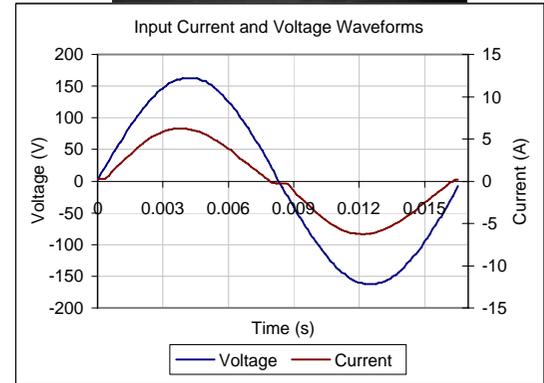


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load): 83.84%
AVERAGE EFFICIENCY : 82.09%
80 PLUS COMPLIANT: YES



Ecos ID #	777
Manufacturer	Jazz Hipster
Model Number	PW-400-N
Serial Number	81B054A035
Year	2008
Type	ATX12V
Test Date	6/18/2008

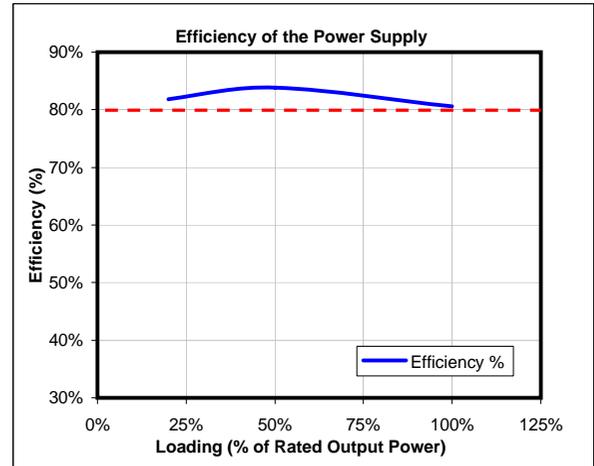
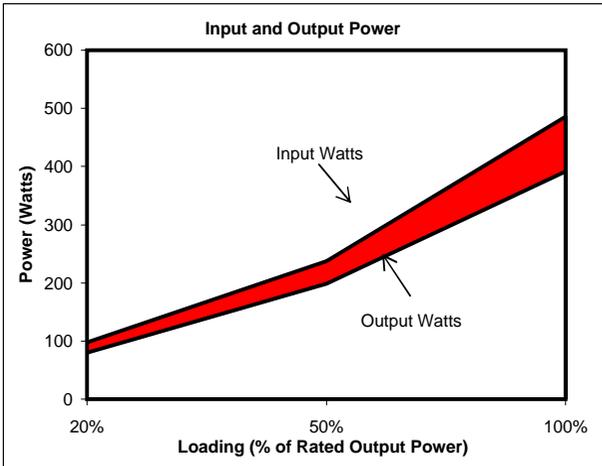


Input AC Current Waveform (ITHD = 15.36%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
0.87	0.98	18.7%	20%	Light	98	24/4.9	11.7/0.1	3.3/2.2	4.9/2.2	5.1/0.5	80	81.87%
2.09	0.98	15.4%	50%	Typical	237	23.9/12.2	11.7/0.2	3.3/5.5	4.9/5.5	5.1/1.1	199	83.84%
4.26	0.99	10.1%	100%	Full	486	23.7/24.4	11.7/0.5	3.2/10.9	4.8/10.9	5/2.2	392	80.55%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

