

80 PLUS Verification and Testing Report

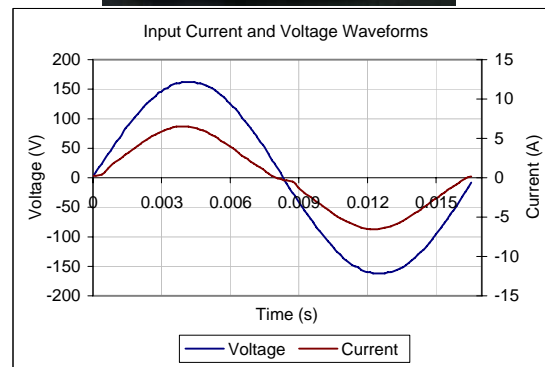
TYPICAL EFFICIENCY (50% Load): 83.54%
AVERAGE EFFICIENCY : 81.87%
80 PLUS COMPLIANT: YES



Ecos ID #	1009
Manufacturer	CORSAIR
Model Number	CMPSU-400CX
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/8/2008

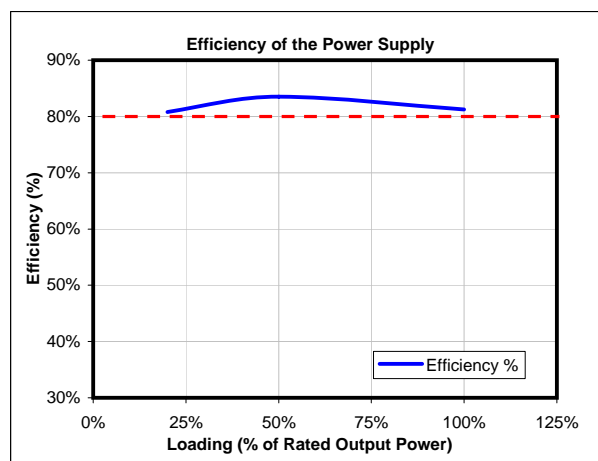
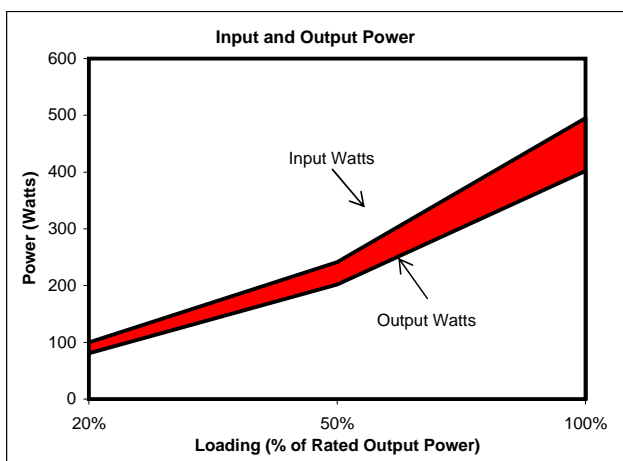
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 13.81%, 50% Load)

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		
0.89	0.98	19.2%	20%	Light	100	12.2/4.7	11.5/0.1	3.4/2.4	5/2.4	5/0.4	81	80.81%
2.13	0.99	13.8%	50%	Typical	241	12.1/11.7	11.4/0.3	3.4/6.1	5/6.1	5/1	202	83.54%
4.33	0.99	10.4%	100%	Full	495	12.1/23.4	11.5/0.6	3.4/12.2	5/12.1	5/2	402	81.25%



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/>

