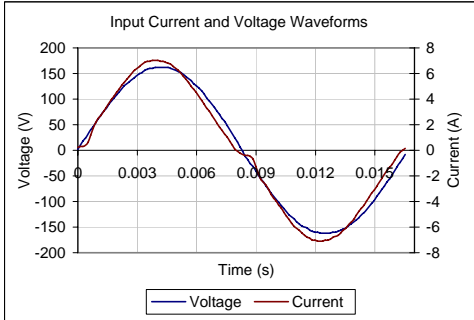


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.37%
AVERAGE EFFICIENCY :	84.00%
80 PLUS COMPLIANT:	YES



Ecos ID #	1326
Manufacturer	CORSAIR
Model Number	CMPSU-450HX
Serial Number	CO02AC0640001
Year	2009
Type	ATX12V
Test Date	2/26/2009

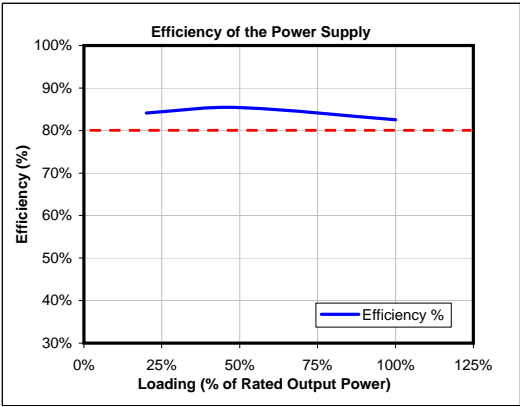
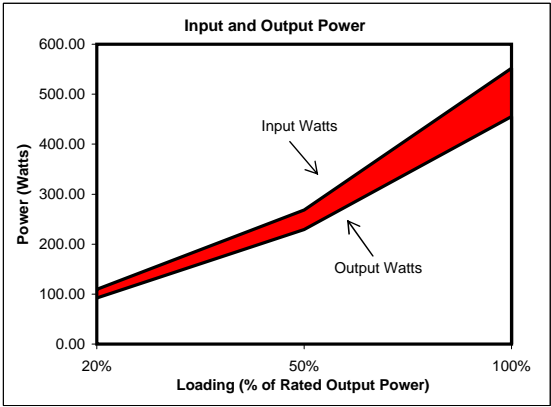


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	50/60	Hz
Rated Output Power	450	Watts

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

Input AC Current Waveform (ITHD = 13.2%, 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.)						
0.97	0.9730	20.00%	20%	Light	109.64	12.3/5.4	11.6/0.1	3.4/2.6	5.1/2.6	5/0.4	92.24	84.13%
2.36	0.9873	13.20%	50%	Typical	268.30	12.3/13.6	11.6/0.3	3.4/6.4	5/6.4	5/1	229.04	85.37%
4.82	0.9947	9.10%	100%	Full	551.90	12.2/27.1	11.7/0.7	3.4/12.8	5/12.8	5/2.1	455.36	82.51%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.