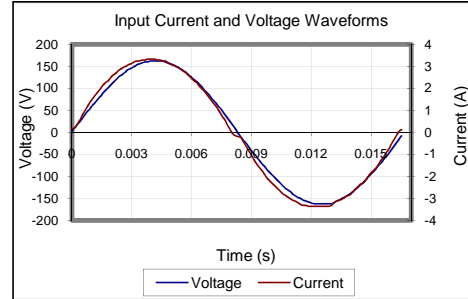


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.30%
AVERAGE EFFICIENCY :	88.61%
80 PLUS COMPLIANT:	YES



Ecos ID #	1586
Manufacturer	HEWLETT PACKARD
Model Number	HP-D2402E0
Serial Number	F3-09060004240
Year	2009
Type	CUSTOM
Test Date	8/18/2009

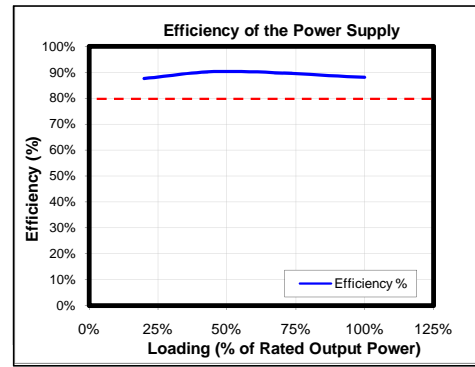
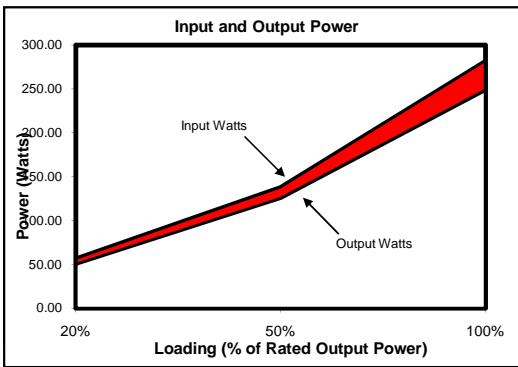


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	240	Watts

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

Input AC Current Waveform (ITHD = 4.89%, 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	12VSB		
0.51	0.9721	10.45%	20%	Light	57.33	12.1/3.9	11.8/0	11.3/0.3	50.18	87.53%
1.21	0.9931	4.89%	50%	Typical	138.76	12.1/9.7	11.9/0.1	11.3/0.6	125.30	90.30%
2.51	0.9796	5.03%	100%	Full	282.80	12/19.4	12/0.1	11.3/1.3	248.84	87.99%



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.