

80 PLUS Verification and Testing Report

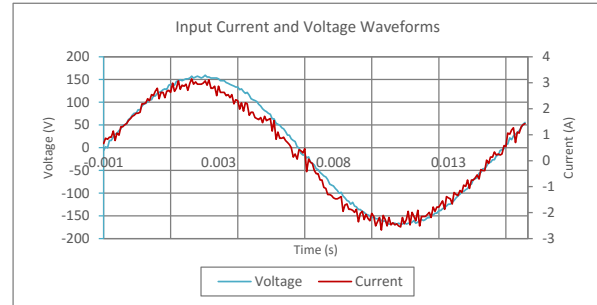
TYPICAL EFFICIENCY (50% Load):	92.84%
AVERAGE EFFICIENCY :	91.77%
80 PLUS COMPLIANT:	YES



ID Number	5177
Manufacturer	HP Inc
Model Number	PA-3401-1
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	12/11/17

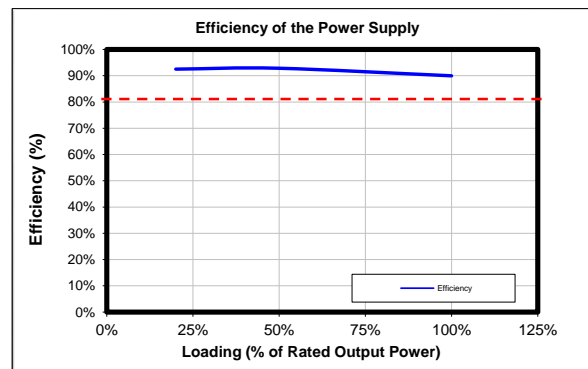
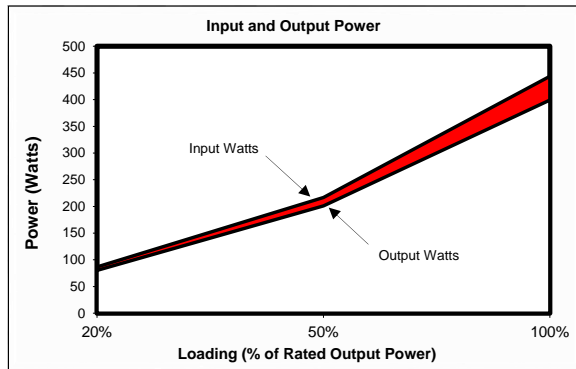
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5.2	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 3.29%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12.1V (cumulative of 12.1V1, 12.1V2, etc.)			
0.45	0.86	9.82%	10%	44.66	12.15/3.31		40.15	89.91%
0.80	0.94	5.82%	20%	86.82	12.14/6.62		80.31	92.50%
1.91	0.98	3.29%	50%	216.59	12.11/16.61		201.09	92.84%
3.87	1.00	4.12%	100%	443.70	12.05/33.13		399.19	89.97%



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/>

