80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**90.89%**
AVERAGE EFFICIENCY :	**89.70%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	4428
Manufacturer	Corsair
Model Number	RPS0016 (CP-9020092) (RM750x)
Serial Number	1530714800003
Year	2015
Type	ATX12V
Test Date	8/19/15

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	**750**	**Watts**

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

Input Current and Voltage Waveforms
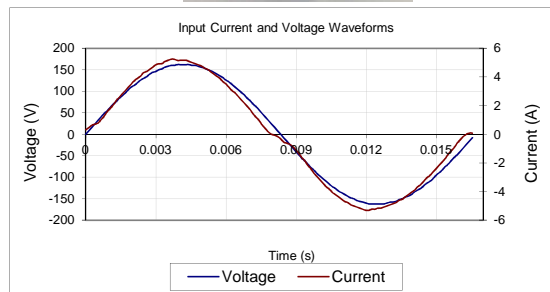
Input AC Current Waveform (ITHD = 7.31%, 50% Load)

$I_{RMS\,A}$ A	PF	I_{THD} (%)	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		
0.82	0.94	10.67%	10%	88.33	12.1/5.07	12.25/0.06	3.32/1.47	5.03/1.47	5.03/0.24	75.54	85.52%
1.50	0.98	9.55%	20%	168.69	12.08/10.16	12.26/0.13	3.33/2.93	5.03/2.91	5.03/0.49	151.21	89.64%
3.63	0.99	7.31%	50%	415.20	12.05/25.42	12.29/0.32	3.33/7.33	5.04/7.28	5.03/1.22	377.36	90.89%
7.40	1.00	7.15%	100%	847.50	12/50.73	12.31/0.65	3.32/14.6	5.04/14.52	5.01/2.43	750.57	88.56%

Input and Output Power

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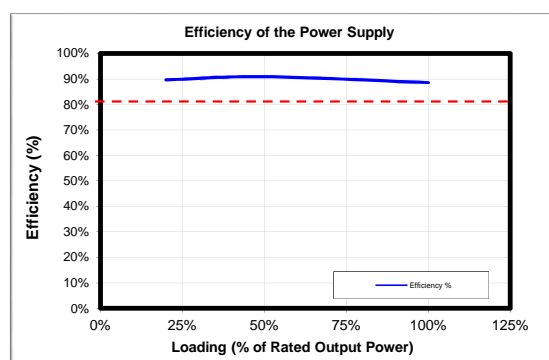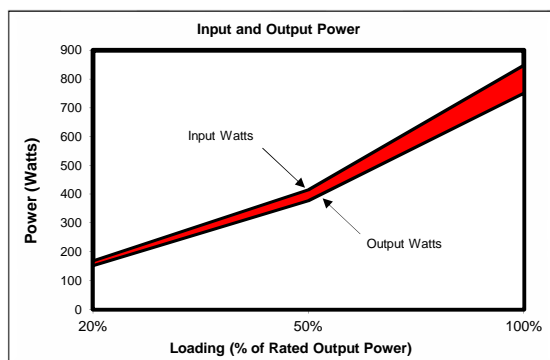
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications.
http://www.80plus.org/