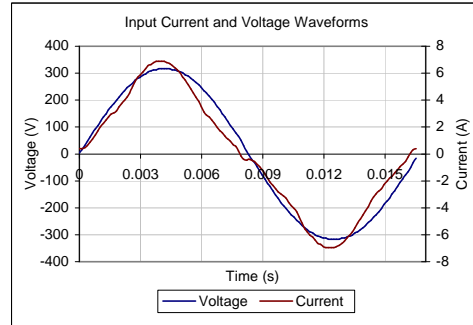


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.27%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.25%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-103
<b>Manufacturer</b>	SUPERMICRO COMPUTER INC.
<b>Model Number</b>	PWS-920P-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2009
<b>Type</b>	1U
<b>Test Date</b>	11/14/09



Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10.7-4.2	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>920</b>	<b>Watts</b>

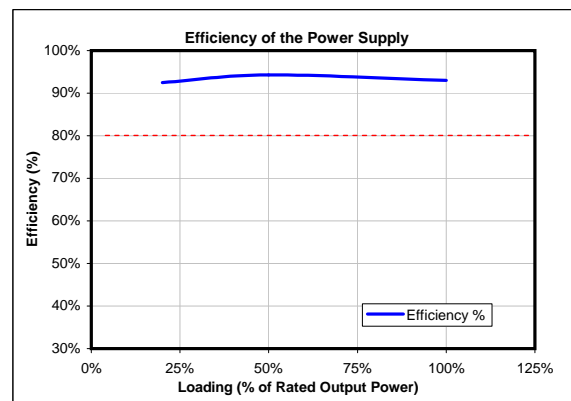
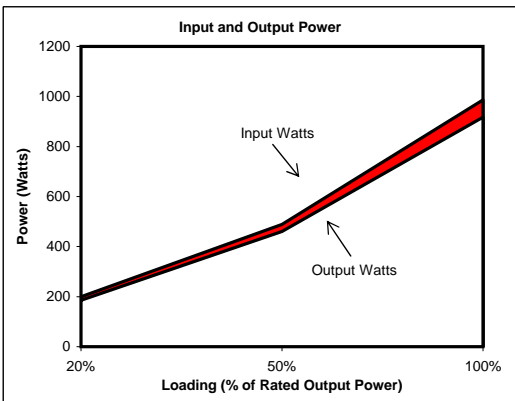
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 15.98%, 100% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V) DC Load Current (A)			Output Watts	Efficiency %
							12V	5Vsb			
0.52	0.8811	25.34	*10%	Low	106	1.21	12.05/7.53	5.17/0.4		93	87.68%
0.92	0.9435	22.67	20%	Light	200	1.21	12.03/15.03	5.16/0.8		185	92.51%
2.18	0.9726	20.45	50%	Typical	488	1.45	11.99/37.53	5.13/2		460	94.27%
4.35	0.9850	15.98	100%	Full	987	5.93	11.96/75.03	4.01/5.07		917	92.98%

\* 10% load results are for informative purposes only and not included in certification requirements.

\*\* Fan power is not included in the efficiency calculations



These tests were conducted as a part 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 computing technology applications.

