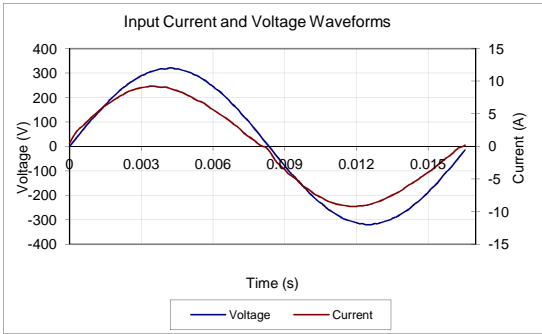


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.08%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.13%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-586
<b>Manufacturer</b>	EMERSON
<b>Model Number</b>	DS3000TE-3
<b>Serial Number</b>	N/A
<b>Year</b>	2013
<b>Type</b>	2U
<b>Test Date</b>	08/08/13



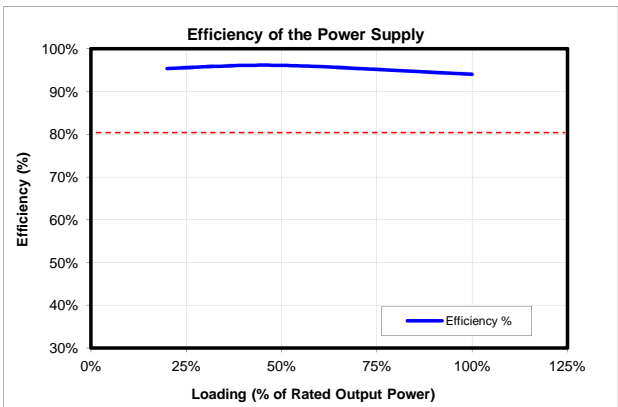
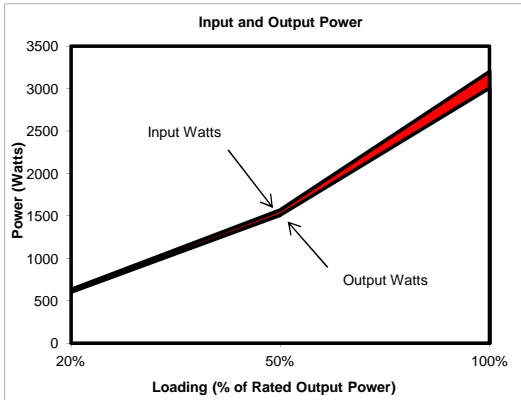
Rated Specifications	Value	Units
Input Voltage	200-220 / 220.1-240	Volts
Input Current	16	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>3,000</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 4.58%, 50% 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	12Vsb		
1.45	0.97	13.70	10%	Low	324	1.56	12.08/24.6	12.04/0.45	303	93.27%
2.81	0.98	11.64	20%	Light	634	1.20	12.07/49.19	12.01/0.89	604	95.34%
6.90	0.99	4.58	50%	Typical	1571	6.12	12.06/122.98	11.96/2.22	1510	96.08%
14.41	0.97	4.66	100%	Full	3204	13.20	12.03/245.95	11.86/4.45	3011	93.97%

\* Fan power is not included in the efficiency calculations



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>



