

# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.30%
AVERAGE EFFICIENCY :	90.50%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-1091
Manufacturer	Juniper Networks, Inc
Model Number	740-044981
Serial Number	N/A
Year	2016
Type	CUSTOM
Test Date	04/28/16

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	13 (PER INPUT)	Amps
Input Frequency	47-63	Hz
Rated Output Power	2,200	Watts

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

### AC I Input

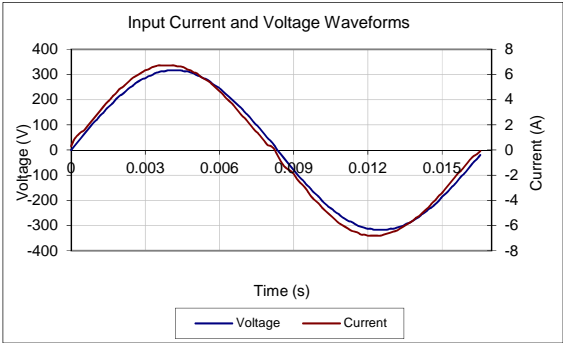
I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*
1.22	0.98	9.01	10%	Low	276	1.20
2.19	0.99	3.42	20%	Light	501	1.20
5.20	1.00	2.69	50%	Typical	1193	2.16
10.53	1.00	2.92	100%	Full	2421	7.56

### AC II Input

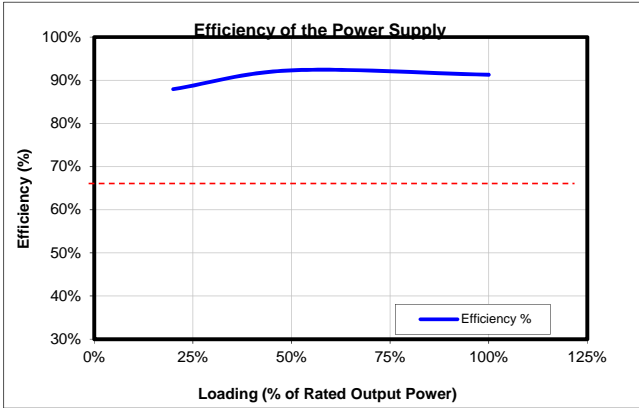
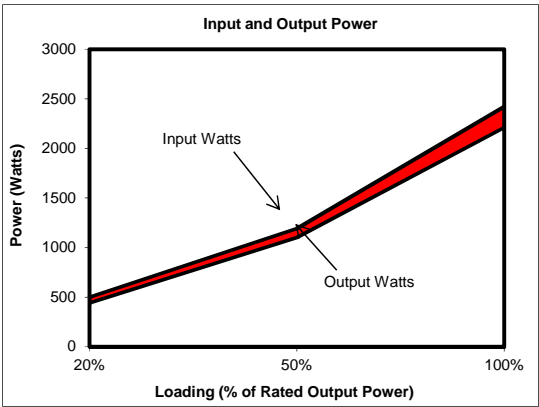
I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts
0.03	0.12	85.49	10%	Low	1
0.03	0.12	85.27	20%	Light	1
0.03	0.12	85.83	50%	Typical	1
0.04	0.09	83.96	100%	Full	1

DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
12.3V	5.1Vsb		
12.3/17.89	5.18/0.12	221	79.76%
12.3/35.74	5.16/0.24	441	87.93%
12.29/89.37	5.13/0.6	1101	92.30%
12.28/179.55	5.09/1.2	2211	91.28%

\* Fan power is not included in the efficiency calculations



Input AC I Current Waveform (ITHD = 2.69%, 50% Load)



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/>

