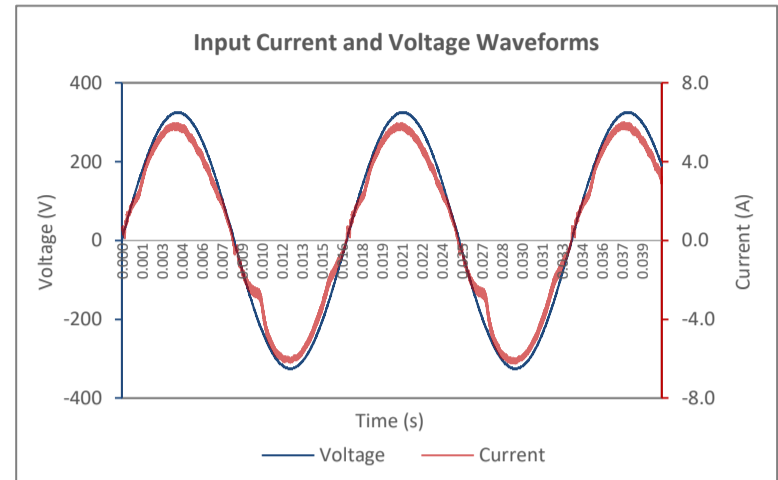


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.11%
AVERAGE EFFICIENCY :	93.85%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2325
Manufacturer	Artesyn Embedded Technologies
Model Number	CST1800AT-3
Serial Number	MMMMWRRSSSL
Year	2023
Type	1U
Test Date	09/15/23



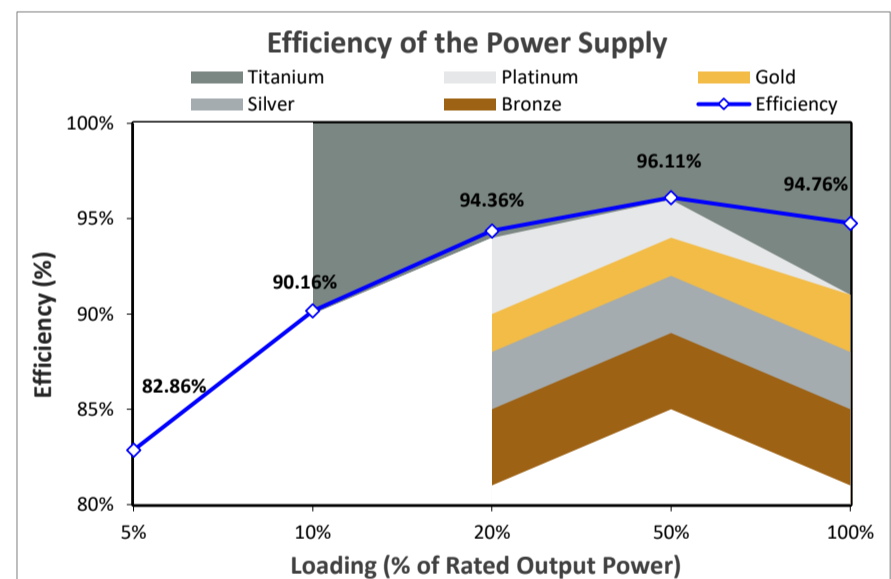
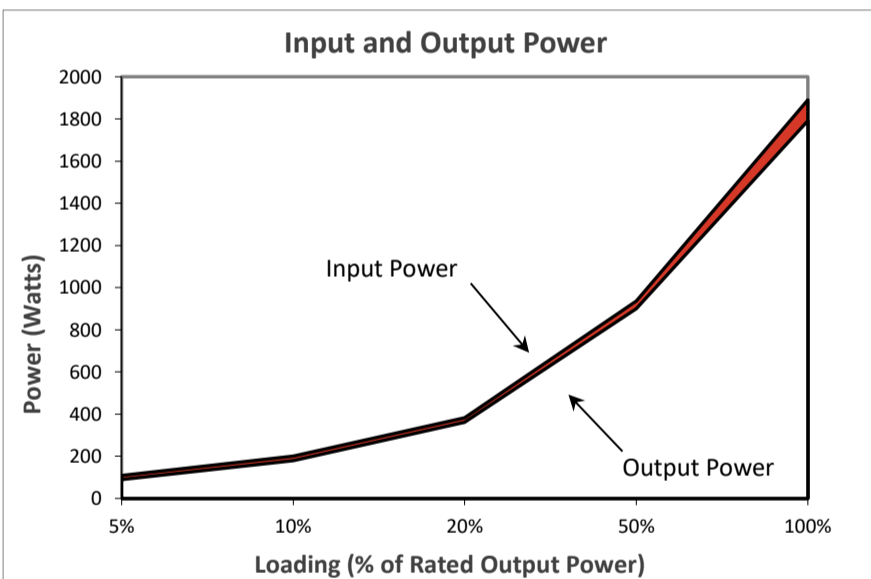
Input AC Current Waveform (ITHD = 6.8%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,800	Watts

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

I <sub>RMS</sub>	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
							12.2V	12Vsb		
NA	NA	NA	0%	No-Load	NA	NA	No-Load			
0.519	<b>0.9125</b>	23.768	5%	Minimum	<b>108.94</b>	0.33	12.24/7.23	12.21/0.15	<b>90.27</b>	<b>82.86%</b>
0.893	<b>0.9737</b>	15.832	10%	Low	<b>200.02</b>	0.39	12.24/14.45	12.18/0.29	<b>180.34</b>	<b>90.16%</b>
1.718	<b>0.9687</b>	21.418	20%	Light	<b>382.88</b>	0.90	12.23/28.95	12.13/0.59	<b>361.28</b>	<b>94.36%</b>
4.085	<b>0.9970</b>	6.802	50%	Typical	<b>936.78</b>	4.39	12.2/72.32	12/1.47	<b>900.34</b>	<b>96.11%</b>
8.238	<b>0.9973</b>	3.385	100%	Full	<b>1890.20</b>	5.05	12.14/144.65	11.75/2.94	<b>1791.21</b>	<b>94.76%</b>

\* 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® 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/>