80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**90.90%**
AVERAGE EFFICIENCY :	**89.03%**
80 PLUS COMPLIANT:	**Gold**

ID Number	6818
Manufacturer	Corsair
Model Number	RPS0159 (CP-9020251) (RM750x SHIFT)
Serial Number	22177120000051900187
Year	2022
Type	ATX12V
Test Date	9/6/22

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
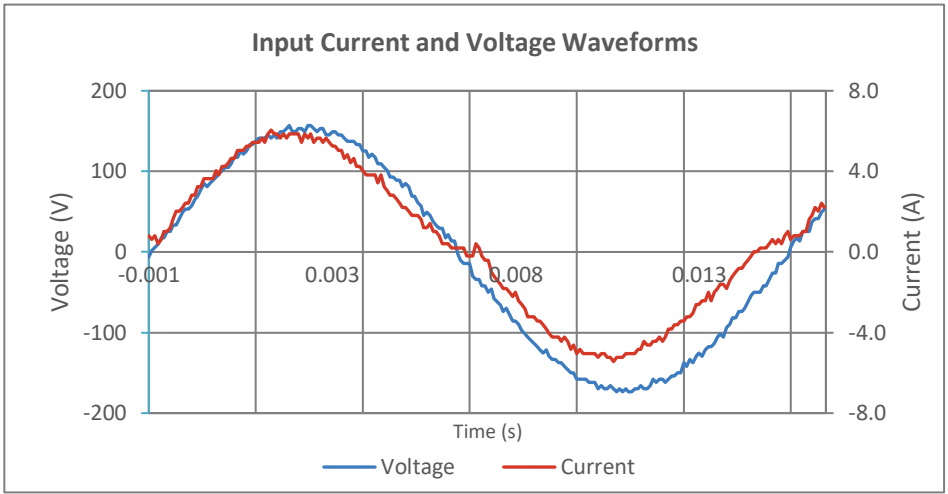
Input AC Current Waveform (ITHD = 9.81%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	3.3V	5V	5Vsb	Output Watts	Efficiency
					DC Terminal Voltage (V)/ DC Load Current (A)					
0.777	0.9720	12.51%	10%	86.80	12.08/5.13	3.3/1.48	5.05/1.48	5/0.25	75.62	87.12%
1.474	0.9870	11.30%	20%	167.30	12.09/10.29	3.31/2.96	5.05/2.95	4.98/0.49	151.52	90.57%
3.654	0.9901	9.81%	50%	416.00	12.06/25.74	3.29/7.42	5.05/7.35	4.94/1.23	378.13	90.90%
7.505	0.9941	8.23%	100%	858.30	12.03/51.3	3.27/14.82	5.04/14.65	4.96/2.46	751.48	87.55%

Input and Output Power

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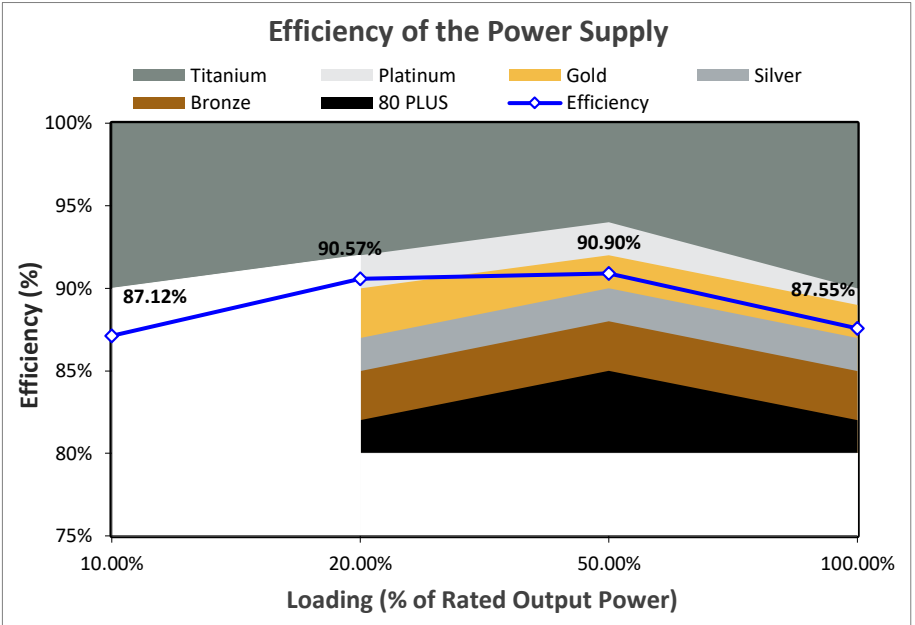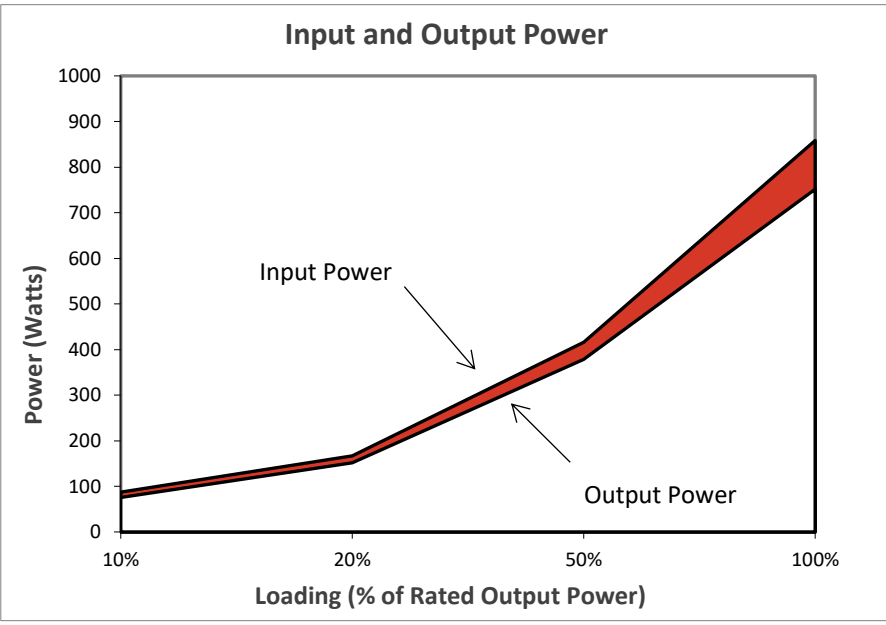
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*