

Corsair Vengeance 750M (2018)

Lab ID#: 417

Receipt Date: Jun 9, 2018 Test Date: Jun 22, 2018 Jordan Vengeunee 75011 (2010

Report Date: Jun 25, 2018

Report:

DUT INFORMATION	
Brand	Corsair
Manufacturer (OEM)	HEC
Series	Vengeance
Model Number	
Serial Number	
DUT Notes	CP-9020176

DUT SPECIFICATION	IS
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6
Rated Frequency (Hz)	47-63
Rated Power (W)	750
Туре	ATX12V
Cooling	120mm Rifle Bearing Fan (NR120L)
Semi-Passive Operation	✓
Cable Design	Semi Modular

TEST EQUIPMENT		
Electronic Loads	Chroma 6314A x2 63123A x6 63102A 63101A	Chroma 63601-5 x2 Chroma 63600-2 63640-80-80 x10 63610-80-20
AC Sources	Chroma 6530, Chroma 61604	
Power Analyzers	N4L PPA1530, N4L PPA5530	
Oscilloscopes	Picoscope 4444 & 3424, Keysight DSOX3024A, Rigol DS	52072A
Voltmeter	Keithley 2015 THD 6.5 Digit	
Sound Analyzer	Bruel & Kjaer 2250-L G4	
Microphone	Bruel & Kjaer Type 4955-A, Bruel & Kjaer Type 4189	
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2	

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RESULTS	
Temperature Range (°C/°F)	30-32/86-89.6 (+-2°C/+- 3.6°F)
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	/

115V	
Average Efficiency	87.626%
Efficiency With 10W (≤500W) or 2% (>500W)	64.008
Average Efficiency 5VSB	79.178%
Standby Power Consumption (W)	0.0498680
Average PF	0.983
Avg Noise Output	19.58 dB(A)
Efficiency Rating (ETA)	GOLD
Noise Rating (LAMBDA)	A+

230V	
Average Efficiency	89.748%
Average Efficiency 5VSB	78.094%
Standby Power Consumption (W)	0.0912818
Average PF	0.949
Avg Noise Output	21.47 dB(A)
Efficiency Rating (ETA)	GOLD
Noise Rating (LAMBDA)	Α

POWER SPECIFIC	CATIONS					
Rail		3.3V	5V	12V	5VSB	-12V
Mary Davissa	Amps	25	20	62.5	3	0.3
Max. Power	Watts	120		750	15	3.6
Total Max. Power (W)		750				

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Captive Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (630mm)	1	1	18-22AWG	Yes
4+4 pin EPS12V (660mm)	1	1	18-22AWG	Yes
6+2 pin PCle (660mm+100mm)	1	2	18AWG	Yes
Modular Cables				
4+4 pin EPS12V (650mm)	1	1	18AWG	No
6+2 pin PCle (650mm+100mm)	2	4	16-18AWG	No
SATA (470mm+120mm+120mm)	1	3	18AWG	No
SATA (540mm+120mm)	1	2	18AWG	No
4 pin Molex (450mm+100mm+100mm+100mm)	2	8	18AWG	No
FDD Adapter (+105mm)	1	1	20AWG	No
AC Power Cord (1400mm) - C13 coupler	1	1	16AWG	-

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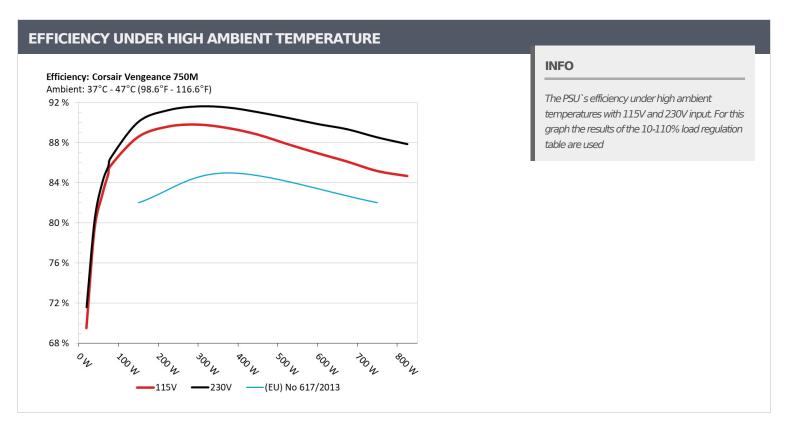
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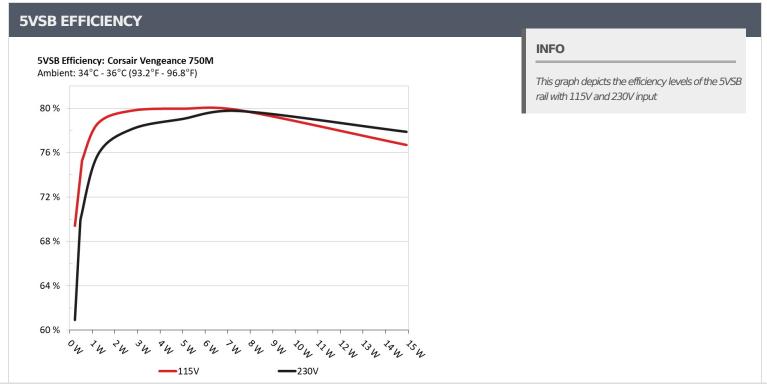
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5VSB EFFI	CIENCY -115V (ERF	P LOT 3/6 & CEC)		
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.227	CO 4300/	0.040
1	5.030V	0.327	69.419%	115.15V
2	0.090A	0.453	747500/	0.073
2	5.029V	0.606	74.752%	157.58V
2	0.550A	2.762	70 7000/	0.292
3	5.019V	3.462	79.780%	115.15V
	1.000A	5.012	70.0400/	0.379
4	5.011V	6.269	79.949%	115.14V
_	1.500A	7.504	70.0010/	0.425
5	5.002V	9.401	79.821% 115.15V	115.15V
	3.000A	14.924		0.482
6	4.974V	19.461	76.687%	115.14V

5VSB EFFI	CIENCY -230V (ERP	LOT 3/6 & CEC)		
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.226	CO 01C0/	0.014
1	5.030V	0.371	60.916%	230.28V
•	0.090A	0.453	CO 2700/	0.024
2	5.029V	0.653	69.372%	230.28V
•	0.550A	2.762		0.121
3	5.020V	3.535	78.133%	230.28V
	1.000A	5.013		0.195
4	5.012V	6.342	79.044%	230.28V
_	1.500A	7.506		0.253
5	5.003V	9.411	79.758%	230.28V
	3.000A	14.927	0-00	0.352
6	4.975V	19.167	77.879%	230.28V

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115V

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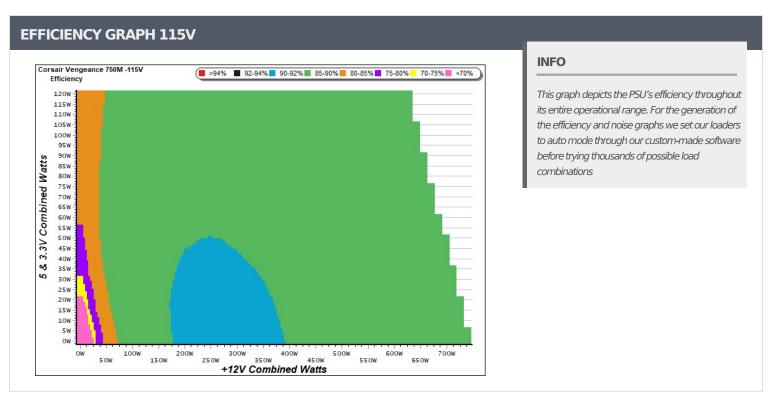
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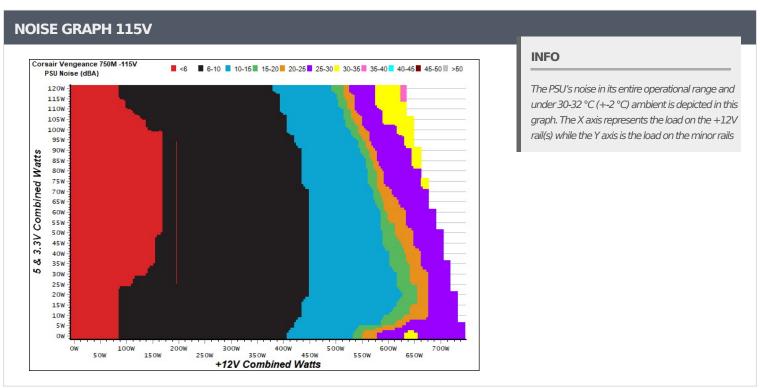
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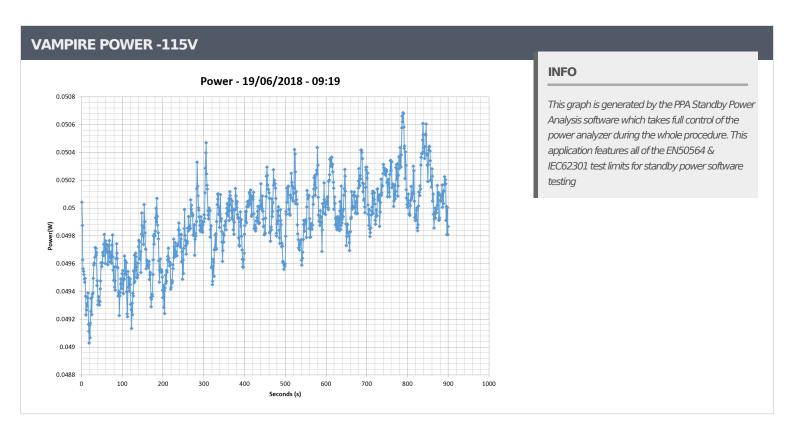
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COMMISSION REGULATION (EU) NO 617/2013 TESTING 115V

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230V

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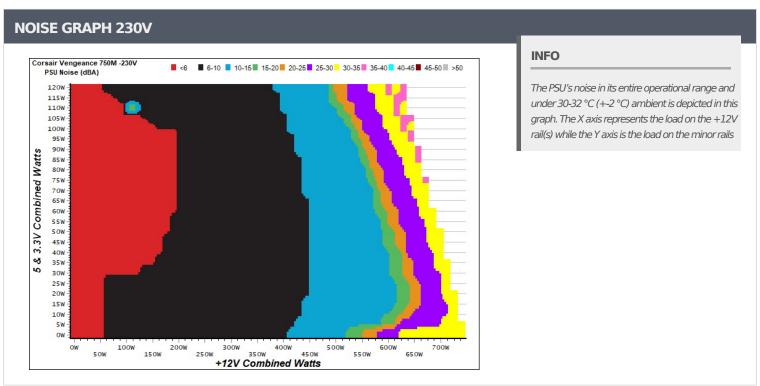
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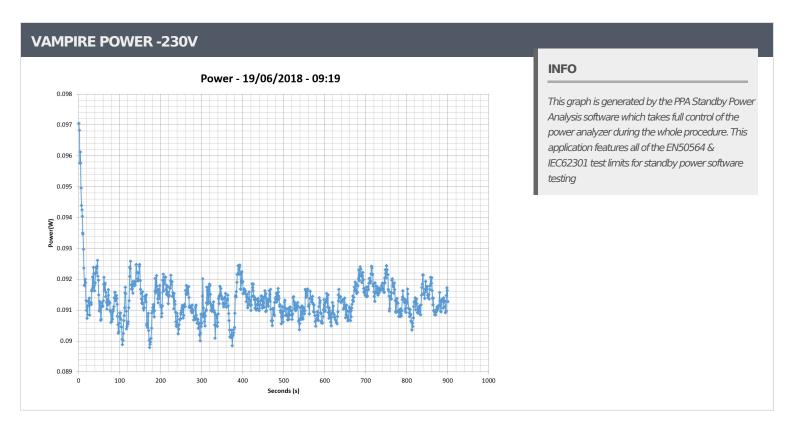
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COMMISSION REGULATION (EU) NO 617/2013 TESTING 230V

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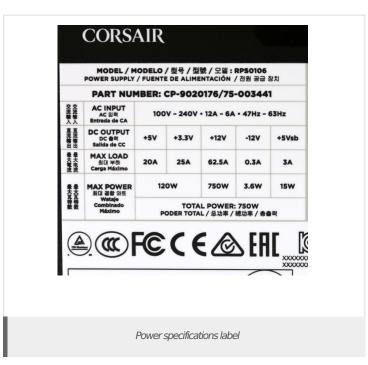
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Aristeidis Bitziopoulos Lab Director

CERTIFICATIONS 230V





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