Corsair RM1000x (ATX v3.1)

Serial Number A6GHA404L0097U

Lab ID CR10002396

Certification ID 252396

Test Result Report ID: 24PS2396A

Certificate Issue Date: Mar 28, 2024

Scheme: ETA-EMI PSU

115V



230V



115V



230V



Scheme: LAMBDA PSU



Outside Validation Scope



General Information

Test Equipment

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 Chroma 63640-80-80 x10 Chroma 63610-80-20
AC Sources	Chroma 6530, APM SP300VAC4000W-P, GW Instek ASR-3500
Power Analyzers	Rohde & Schwarz HMC8015 & NPA701
Oscilloscopes	Picoscope 4444, Siglent SDS2104X PLUS
Sound Analyzer	Bruel & Kjaer 2270 G4
Microphone	Bruel & Kjaer Type 4955-A
Temperature Logger	Picoscope TC-08
Tachometer	UNI-T UT372
Multimeters	Keysight 34465A
EMI Analyzer	TekBox TBMR-110M-EU
Isolation Transformer	4kVA
UPS	FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA
Testing Methodology	Cybenetics PSU Test Protocol

DUT Information(Non-accredited measurements)

Product Identification Details	
Brand	Corsair
Model	RM1000x (ATX v3.1)
OEM/ODM	Channel Well Technology
Serial Number	A6GHA404L0097U
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6

Rated Frequency (Hz)	47-63
Rated Power (W)	1000
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	140mm Fluid Dynamic Bearing Fan (NR140HP)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	CR10002396
Date of receipt	Mar 14, 2024
Testing Date	Mar 22, 2024
Report Issued Date	Mar 28, 2024
DUT Notes	CP-9020271 (Semi-Passive Off)
Engineer Name	-
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (610mm)	1	1	16-20AWG	No
4+4 pin EPS12V (750mm)	2	2	18AWG	No
6+2 pin PCIe (650mm)	4	4	16-18AWG	No
12+2 pin PCIe (600mm) (600W)	1	1	16-24AWG	No
SATA (500mm+115mm+115mm+115mm)	3	12	18AWG	No
4-pin Molex (550mm+100mm+100mm)	2	6	18AWG	No

AC Power Cord (1390mm) - C13 coupler	1	1	16AWG	-

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	20	20	83.3	3	0
	Watts	150		1000	15	0
Total Max. Power (W)		1000				

Parts Description

General Data	
Manufacturer (OEM)	CWT
PCB Type	Double-Sided
Primary Side	
Transient Filter	6x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor SCK-207R0 (7 Ohm @ 25°C) & Relay
Bridge Rectifier(s)	2x GBJ2506 (420V , 25A @ 100°C)
APFC MOSFETs	3x Infineon IPA60R125P6 (600V, 19A @ 100°C, Rds(on): 0.125Ohm) & 1x Sync Power SPN5003 FET (for reduced no-load consumption)
APFC Boost Diode	1x CREE C3D06060 (600V, 16A @ 150°C)
Bulk Cap(s)	1x Nippon Chemi-Con (400V, 470uF, 2000h @ 105°C, KMW) & 1x Nippon Chemi-Con (400V, 560uF, 2000h @ 105°C, KMR)
Main Switchers	2x Infineon IPA60R190P6 (600V, 12.7A @ 100°C, Rds(on): 0.19Ohm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CU6901VACNH
Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	8x Toshiba HR8504PL (40V, 150A @ 25°C, Rds(on): 0.85mOhm)
5V & 3.3V	DC-DC Converters: 4x UBIQ QN3107M6N (30V, 70A @ 100°C, Rds(on): 2.6mOhm) PWM Controllers: UPI-Semi uP3861P

Filtering Capacitors	Electrolytic: 6x Nippon Chemi-Con (105°C, W), 3x Rubycon (6-10000 @ 105°C, ZLH), 1x Rubycon (2-10,000h @ @ 105°C, XF)) Polymer: 28x FPCAP , 6x Nippon Chemi-Con
Fan Controller	Microchip PIC16F1503
Fan Model	Corsair NR140HP (140mm, 12V, 0.33A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
High Side Rectifier	1x SMC RS1M (1000V, 1A @ 100°C)
Standby PWM Controller	On-Bright OB2365T

Test Results

Temperature & Compliance Info

Temperature Range (°C /°F)	28-32 / 82.4-89.6
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	✓
ALPM (Alternative Low Power Mode) compatible	✓
ATX v3.1 PSU Power Excursion	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	89.047%
Average Noise Output (>1450 Load Combinations)	24.78dBA
Average PF (>1450 Load Combinations)	0.988
Efficiency With 10W (≤500W) or 2% (>500W) Load	73.730%
Standby Power Consumption	0.0178W
Non-Accredited	
12V Ripple (Full Load)	23.88mV
5V Ripple (Full Load)	16.85mV

3.3V Ripple (Full Load)	17.75mV
5VSB Ripple (Full Load)	14.94mV
12V Load Regulation	0.78%
5V Load Regulation	0.12%
3.3V Load Regulation	0.49%
5VSB Load Regulation	1.12%
Inrush Current	31.980A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.139%
Average Noise Output (>1450 Load Combinations)	24.81dBA
Average PF (>1450 Load Combinations)	0.962
Efficiency With 10W (≤500W) or 2% (>500W) Load	73.424%
Standby Power Consumption	0.0819W
Non-Accredited	
12V Ripple (Full Load)	23.93mV
5V Ripple (Full Load)	15.27mV
3.3V Ripple (Full Load)	16.88mV
5VSB Ripple (Full Load)	15.80mV
12V Load Regulation	0.77%
5V Load Regulation	0.18%
3.3V Load Regulation	0.52%
5VSB Load Regulation	1.08%
Inrush Current	65.080A
12V Transient Response (200%)	11.42V
5V Transient Response (200%)	4.972V
3.3V Transient Response (200%)	3.201V
5VSB Transient Response (200%)	4.848V
Hold-Up Time & PWR_OK Signal	22.40ms
AC Loss to PWR_OK Hold Up Time	18.60ms
PWR_OK Inactive to DC Loss Delay	3.80ms

PSU Timings: T1 (20% / 100%)	65.0ms	63.0ms
PSU Timings: T3 (20% / 100%)	117.0ms	119.0ms
OPP (27.78°C / 41.94°C)	129.31%	129.31%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	22.4
AC Loss to PWR_OK Hold Up Time (ms)	18.6
PWR_OK Inactive to DC Loss Delay (ms)	3.8

Stromverbrauch im Ruhezustand

Tables

115V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.05 V	115.01 V	113.85 V	115.09 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.018 W	0.013 W	N/A	0.022 W	N/A	N/A
Apparent Power:	10.151 W	10.107 W	N/A	10.196 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

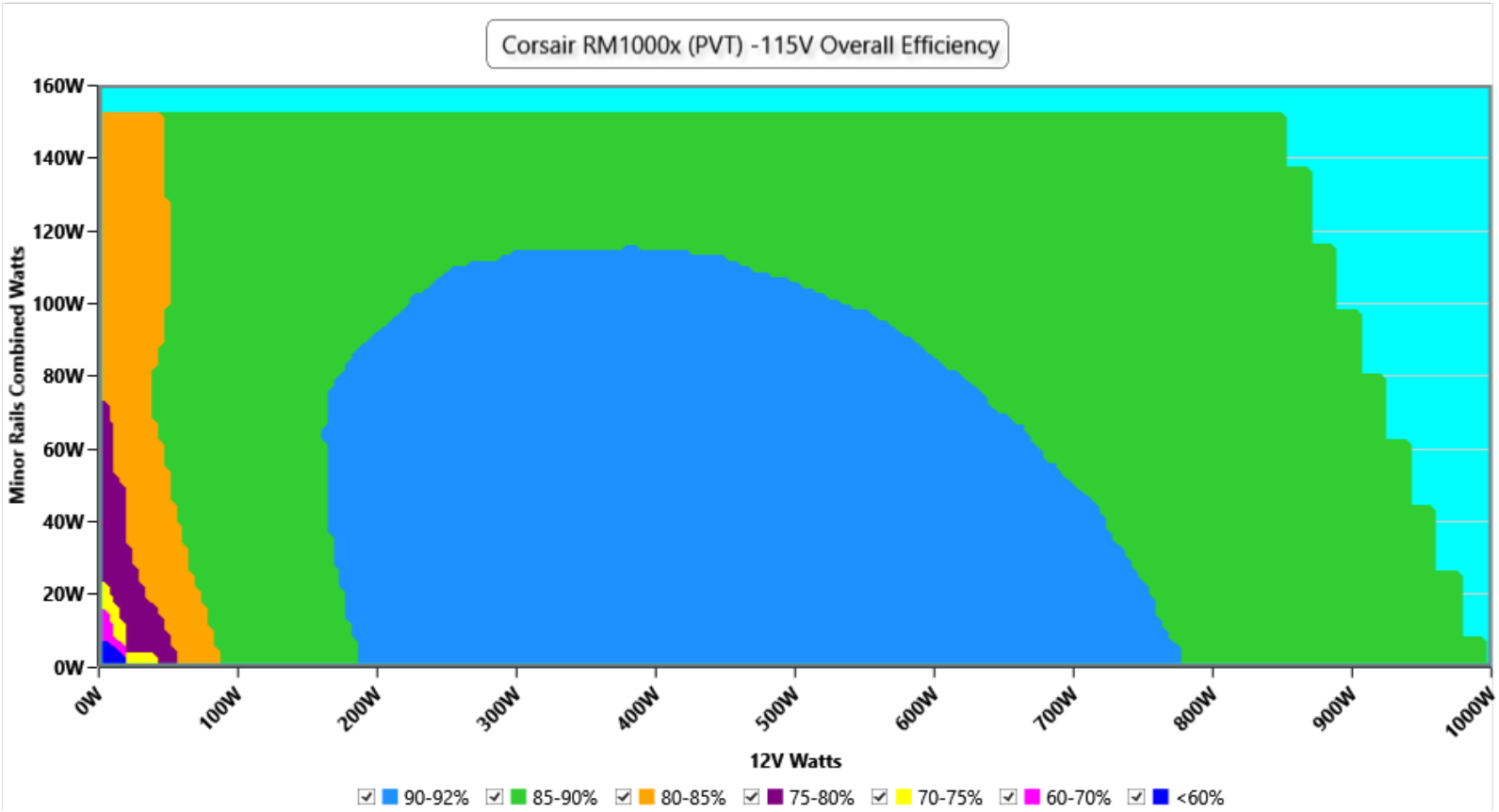
230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.00 V	230.89 V	227.70 V	231.05 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	49.99 Hz	49.50 Hz	50.01 Hz	50.50 Hz	PASS

Mains Voltage CF:	1.417	1.416	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.082 W	0.073 W	N/A	0.106 W	N/A	N/A
Apparent Power:	34.697 W	34.516 W	N/A	34.854 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

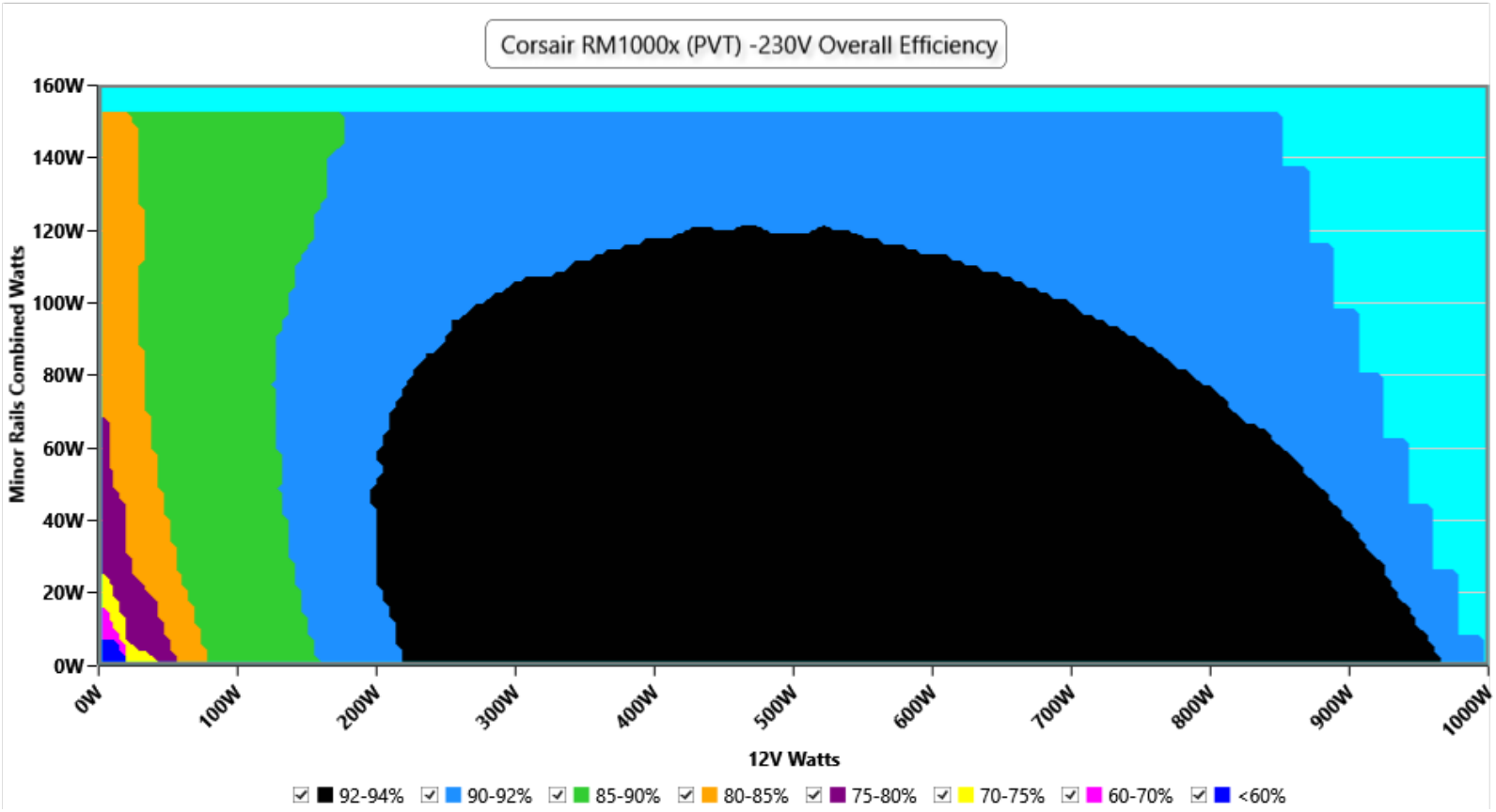
115V



INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

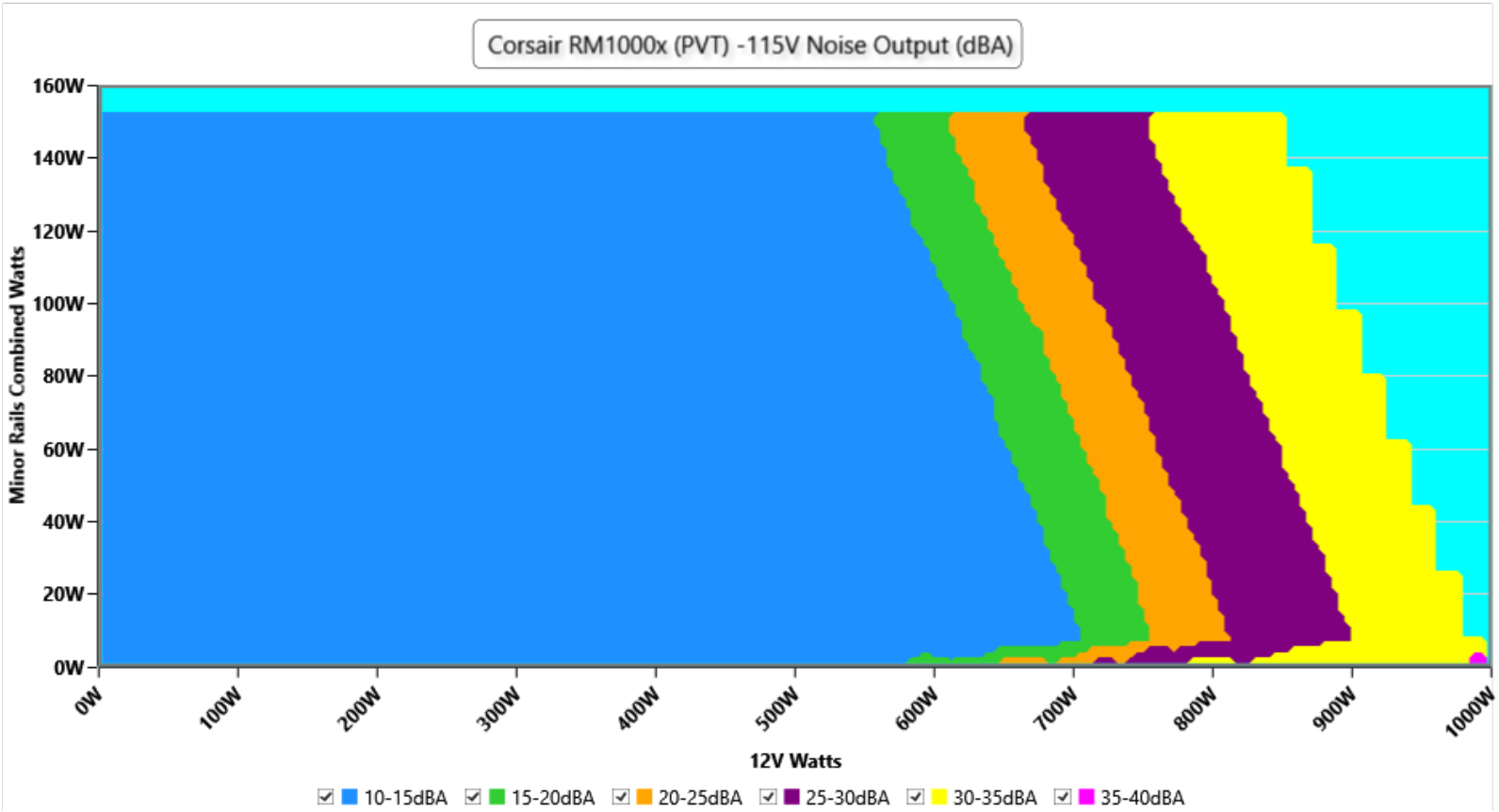


INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

Noise Graph

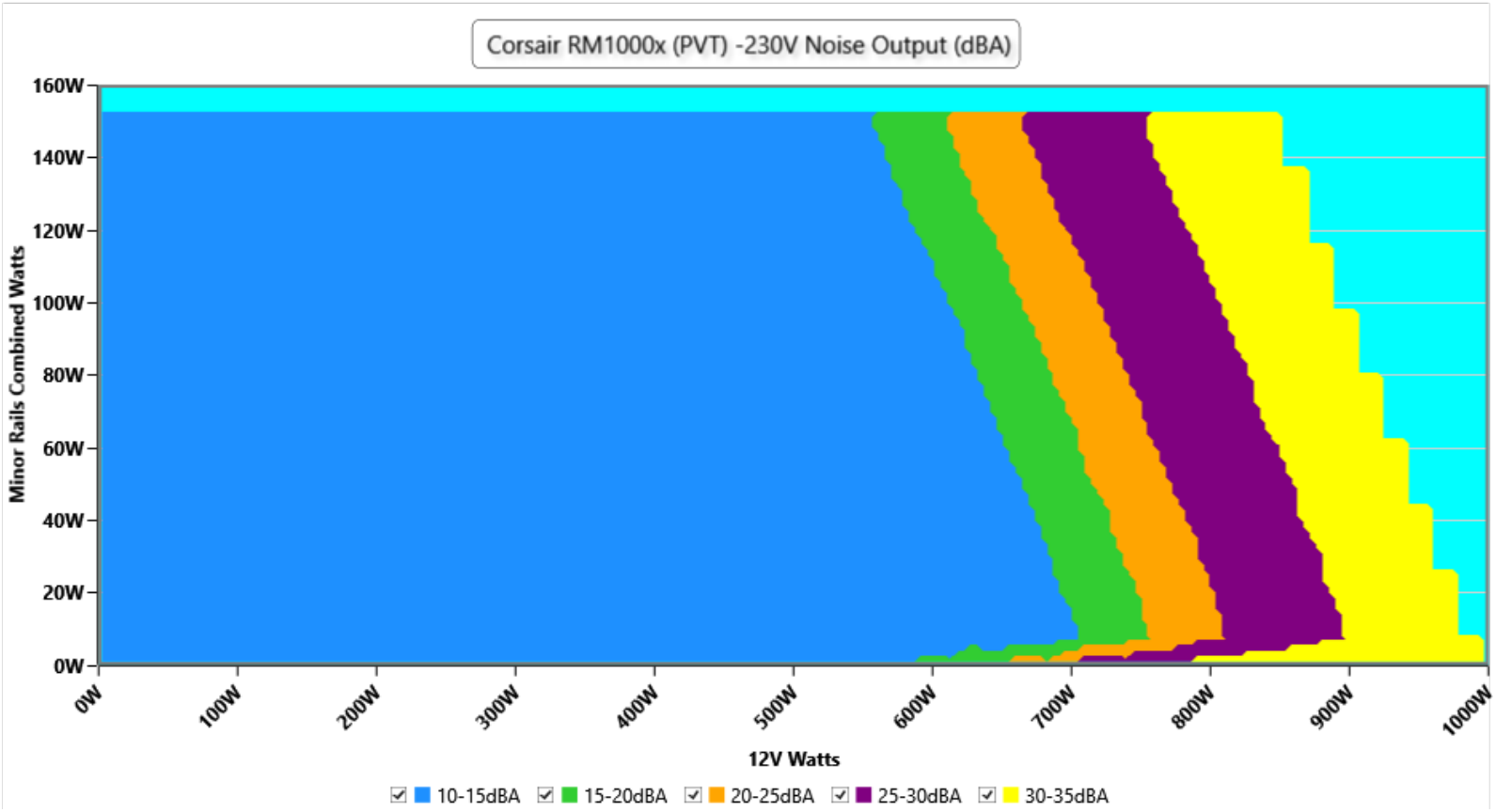
115V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

230V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 44.3 °C	0 RPM · <6.0 dB(A) · 44.3 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.5 °C	0 RPM · <6.0 dB(A) · 45.5 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.2 °C	0 RPM · <6.0 dB(A) · 48.2 °C	fan off in both
100%	1211 RPM · 36.5 dB(A) · 46.0 °C	1211 RPM · 36.5 dB(A) · 46.0 °C	**+0.0 dB(A)**

230V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 44.4 °C	0 RPM · <6.0 dB(A) · 44.4 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.2 °C	0 RPM · <6.0 dB(A) · 45.2 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.2 °C	0 RPM · <6.0 dB(A) · 48.2 °C	fan off in both
100%	1113 RPM · 35.5 dB(A) · 45.6 °C	1113 RPM · 35.5 dB(A) · 45.6 °C	**+0.0 dB(A)**

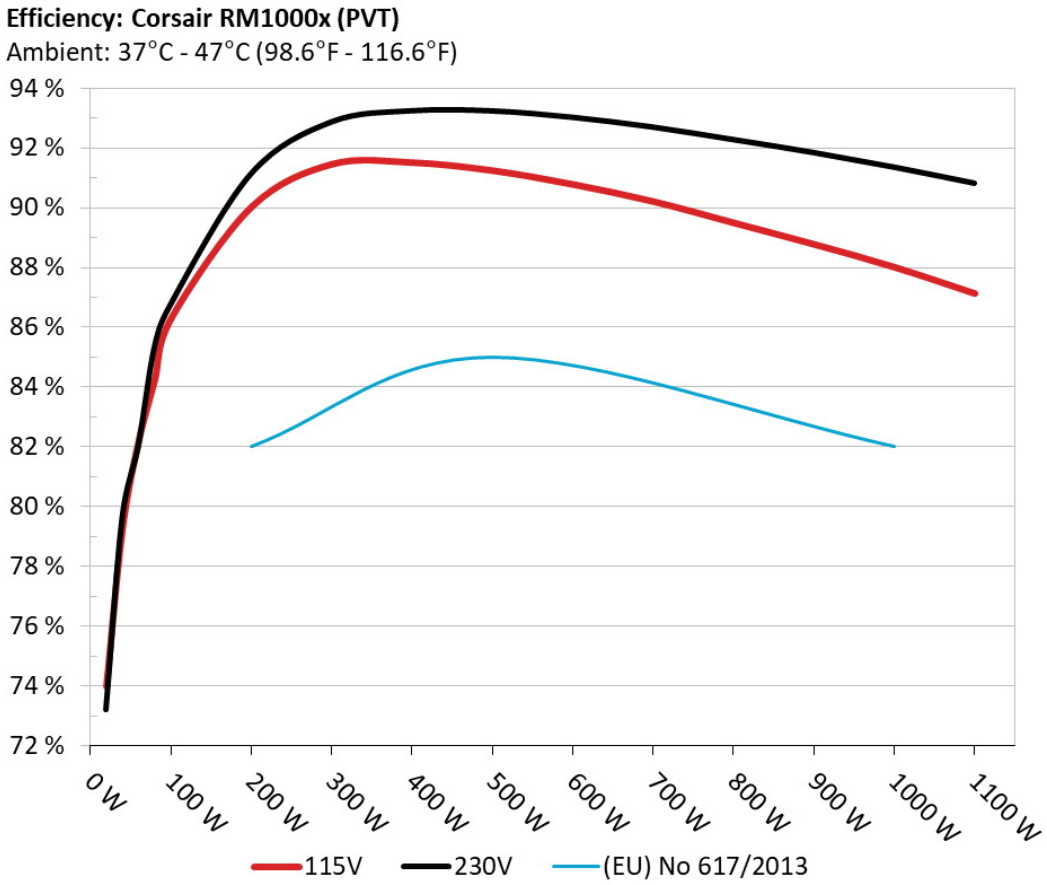
INFO

Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative of how the fan behaves when it is hot. "<6.0" is the floor of our sound meter: the fan is stopped or too quiet to measure (the fan speed column says which); with the fan stopped, the intake sensor can read higher than the chamber air.

Informational. Not part of the ETA or LAMBDA rating.

Indicative Performance

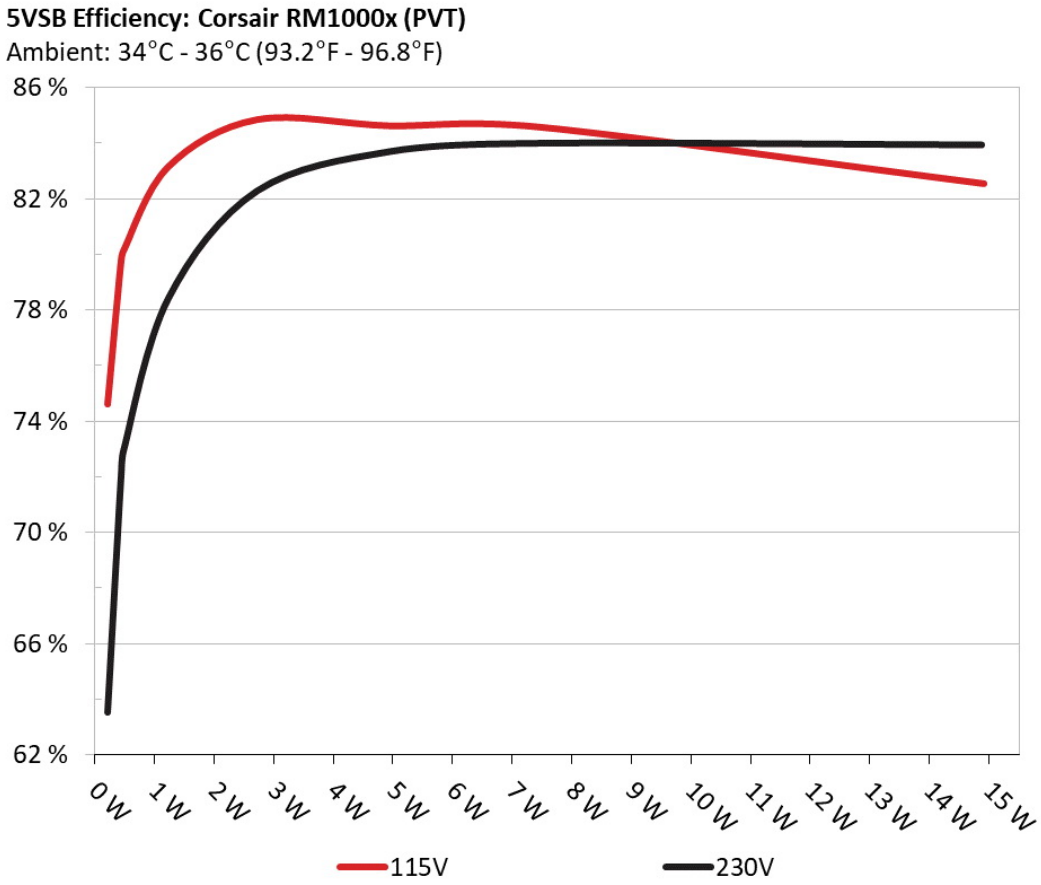
Efficiency under high ambient temperature



INFO

The PSU`s efficiency under high ambient temperatures with 115V and 230V input. For this graph the results of the 10-110% load regulation table are used

5VSB Efficiency



INFO

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input

5VSB Efficiency (ERP LOT 3/6 & CEC)

115V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.223W	74.102%	0.029
	4.963V	0.301W		114.92V
2	0.09A	0.447W	79.218%	0.054
	4.963V	0.564W		114.93V
3	0.55A	2.729W	84.335%	0.254
	4.963V	3.236W		114.92V
4	1A	4.965W	84.113%	0.363
	4.965V	5.903W		114.91V
5	1.5A	7.45W	84.072%	0.415
	4.966V	8.861W		114.91V
6	3A	14.922W	82.033%	0.501
	4.974V	18.19W		114.91V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.223W	63.014%	0.01
	4.961V	0.355W		229.89V
2	0.09A	0.447W	71.456%	0.018
	4.96V	0.626W		229.89V
3	0.55A	2.728W	81.779%	0.093
	4.959V	3.335W		229.88V
4	1A	4.96W	83.202%	0.156
	4.96V	5.962W		229.88V
5	1.5A	7.439W	83.499%	0.216
	4.959V	8.91W		229.88V
6	3A	14.883W	83.441%	0.315
	4.961V	17.837W		229.88V

Supplementary Tests (For Reference)

Typical Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	6.524A	1.968A	1.994A	1.011A	99.993	86.265%	0	<6.0	44.3°C	0.977
	12.016V	5.08V	3.31V	4.948V	115.916				40.09°C	114.88V
20%	14.076A	2.953A	2.993A	1.214A	199.942	90.006%	0	<6.0	45.52°C	0.991
	12.009V	5.079V	3.308V	4.941V	222.14				40.98°C	114.85V
30%	22.028A	3.446A	3.493A	1.419A	299.996	91.444%	0	<6.0	46.28°C	0.985
	11.982V	5.079V	3.307V	4.934V	328.064				41.24°C	114.81V
40%	29.927A	3.938A	3.993A	1.624A	399.545	91.504%	0	<6.0	47.48°C	0.986
	11.974V	5.079V	3.306V	4.927V	436.642				41.96°C	114.78V
50%	37.503A	4.923A	4.994A	1.83A	499.277	91.237%	0	<6.0	48.19°C	0.989
	11.966V	5.079V	3.304V	4.919V	547.23				42.07°C	114.74V
60%	45.163A	5.909A	5.998A	2A	599.677	90.776%	440	6.4	42.53°C	0.991
	11.957V	5.078V	3.302V	4.916V	660.62				49.18°C	114.7V
70%	52.760A	6.896A	7.002A	2.24A	699.541	90.204%	581	13.0	43.11°C	0.992
	11.949V	5.076V	3.3V	4.911V	775.513				50.14°C	114.67V
80%	60.441A	7.88A	8.006A	2.344A	799.571	89.492%	773	23.2	43.72°C	0.993
	11.940V	5.076V	3.298V	4.907V	893.445				51.79°C	114.62V
90%	68.456A	8.374A	8.494A	2.448A	899.373	88.775%	954	29.8	44.8°C	0.993
	11.933V	5.075V	3.296V	4.902V	1013.087				53.82°C	114.59V
100%	76.278A	8.868A	9.014A	3.063A	999.365	88.011%	1211	36.5	46°C	0.994
	11.926V	5.074V	3.295V	4.898V	1135.505				56.03°C	114.54V
110%	84.045A	9.856A	10.113A	3.066A	1099.967	87.126%	1490	41.9	46.56°C	0.994
	11.918V	5.072V	3.293V	4.892V	1262.507				57.49°C	114.5V
CL1	0.117A	17.794A	18.117A	0A	151.303	82.173%	496	8.6	42.57°C	0.987
	12.010V	5.074V	3.29V	4.938V	184.128				48.05°C	114.85V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	0.115A	19.658A	0A	0A	101.347	82.083%	442	6.4	40.96°C	0.981
	12.018V	5.085V	3.307V	4.945V	123.468				48.03°C	114.87V
CL3	0.115A	0A	20.017A	0A	67.398	74.96%	442	6.4	40.62°C	0.975
	12.017V	5.088V	3.298V	4.946V	89.911				49.78°C	114.88V
CL4	83.820A	0A	0A	0A	999.934	88.617%	1139	35.3	45.79°C	0.994
	11.929V	5.083V	3.309V	4.903V	1128.378				56.74°C	114.55V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	6.524A	1.968A	1.993A	1.011A	99.995	86.767%	0	<6.0	44.4°C	0.874
	12.017V	5.082V	3.311V	4.947V	115.248				40.16°C	229.87V
20%	14.074A	2.952A	2.992A	1.215A	199.943	91.139%	0	<6.0	45.21°C	0.944
	12.010V	5.081V	3.309V	4.94V	219.378				40.63°C	229.85V
30%	22.026A	3.445A	3.492A	1.419A	299.994	92.883%	0	<6.0	46.19°C	0.964
	11.983V	5.08V	3.308V	4.933V	322.981				41.12°C	229.83V
40%	29.925A	3.937A	3.992A	1.624A	399.534	93.259%	0	<6.0	47.46°C	0.972
	11.974V	5.081V	3.307V	4.926V	428.414				41.87°C	229.82V
50%	37.500A	4.921A	4.993A	1.83A	499.266	93.254%	0	<6.0	48.16°C	0.977
	11.967V	5.081V	3.305V	4.919V	535.384				42.08°C	229.81V
60%	45.156A	5.907A	5.996A	2A	599.635	93.042%	442	6.4	42.8°C	0.979
	11.958V	5.079V	3.303V	4.915V	644.476				49.31°C	229.78V
70%	52.753A	6.894A	7.001A	2.239A	699.51	92.715%	581	13.0	43.22°C	0.981
	11.950V	5.077V	3.3V	4.912V	754.476				50.25°C	229.77V
80%	60.432A	7.88A	8.005A	2.343A	799.529	92.297%	773	23.2	43.77°C	0.982
	11.941V	5.076V	3.298V	4.908V	866.254				51.87°C	229.75V
90%	68.448A	8.374A	8.493A	2.447A	899.304	91.864%	953	29.8	44.06°C	0.984
	11.934V	5.074V	3.297V	4.903V	978.955				53.15°C	229.73V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	76.272A	8.869A	9.013A	3.061A	999.325	91.376%	1113	35.5	45.6°C	0.985
	11.927V	5.073V	3.295V	4.9V	1093.639				55.7°C	229.71V
110%	84.037A	9.857A	10.112A	3.065A	1099.96	90.836%	1394	40.0	46.65°C	0.985
	11.919V	5.072V	3.293V	4.894V	1210.927				57.59°C	229.69V
CL1	0.116A	17.788A	18.118A	0A	151.297	83.102%	470	7.5	42.66°C	0.932
	12.012V	5.076V	3.29V	4.939V	182.069				48.11°C	229.85V
CL2	0.115A	19.656A	0A	0A	101.355	82.166%	443	6.4	42.79°C	0.885
	12.018V	5.086V	3.307V	4.945V	123.35				50.01°C	229.87V
CL3	0.115A	0A	20.018A	0A	67.397	75.72%	442	6.4	41.8°C	0.823
	12.018V	5.089V	3.298V	4.945V	89.005				50.89°C	229.87V
CL4	83.821A	0A	0A	0A	999.963	91.897%	1136	35.3	42.13°C	0.984
	11.929V	5.081V	3.307V	4.904V	1088.132				53.1°C	229.72V

The results above are not used in the certification process

Light Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	1.236A	0.492A	0.498A	0.2A	19.982	73.993%	0	<6.0	39.64°C	0.844
	12.004V	5.076V	3.311V	4.953V	27.006				36.58°C	114.92V
40W	2.722A	0.689A	0.698A	0.303A	39.993	79.286%	0	<6.0	41.19°C	0.937
	12.010V	5.077V	3.311V	4.953V	50.439				37.89°C	114.91V
60W	4.204A	0.886A	0.897A	0.404A	59.993	82.17%	0	<6.0	42.39°C	0.963
	12.019V	5.078V	3.311V	4.952V	73.011				38.55°C	114.9V
80W	5.684A	1.083A	1.096A	0.505A	79.937	84.221%	0	<6.0	43.29°C	0.976
	12.018V	5.079V	3.311V	4.951V	94.915				39.34°C	114.89V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	1.236A	0.492A	0.498A	0.2A	19.989	73.231%	0	<6.0	39.72°C	0.46
	12.005V	5.078V	3.312V	4.953V	27.295				36.65°C	229.88V
40W	2.722A	0.689A	0.697A	0.303A	39.998	79.621%	0	<6.0	40.37°C	0.661
	12.010V	5.079V	3.312V	4.952V	50.235				37.12°C	229.88V
60W	4.204A	0.886A	0.897A	0.404A	59.998	82.034%	0	<6.0	41.7°C	0.778
	12.018V	5.08V	3.312V	4.951V	73.138				38.17°C	229.88V
80W	5.684A	1.082A	1.096A	0.505A	79.943	85.313%	0	<6.0	43.24°C	0.834
	12.018V	5.081V	3.312V	4.95V	93.708				39.39°C	229.87V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	11.31mV	10.63mV	10.53mV	10.08mV	Pass
20% Load	11.97mV	11.34mV	11.00mV	9.87mV	Pass
30% Load	14.79mV	10.78mV	11.41mV	10.74mV	Pass
40% Load	15.45mV	11.50mV	12.28mV	11.05mV	Pass
50% Load	15.35mV	12.52mV	12.63mV	11.56mV	Pass
60% Load	14.89mV	11.19mV	12.38mV	11.10mV	Pass
70% Load	15.71mV	12.21mV	12.94mV	11.82mV	Pass
80% Load	15.91mV	12.01mV	13.81mV	10.64mV	Pass
90% Load	16.99mV	13.13mV	14.07mV	12.43mV	Pass
100% Load	23.88mV	16.85mV	17.75mV	14.94mV	Pass
110% Load	24.59mV	15.83mV	18.03mV	15.31mV	Pass
Crossload1	15.42mV	12.95mV	18.12mV	11.70mV	Pass
Crossload2	11.72mV	15.43mV	12.33mV	11.71mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	11.82mV	10.63mV	15.86mV	11.36mV	Pass
Crossload4	24.44mV	14.61mV	14.69mV	11.98mV	Pass

The results above are not used in the certification process

230V

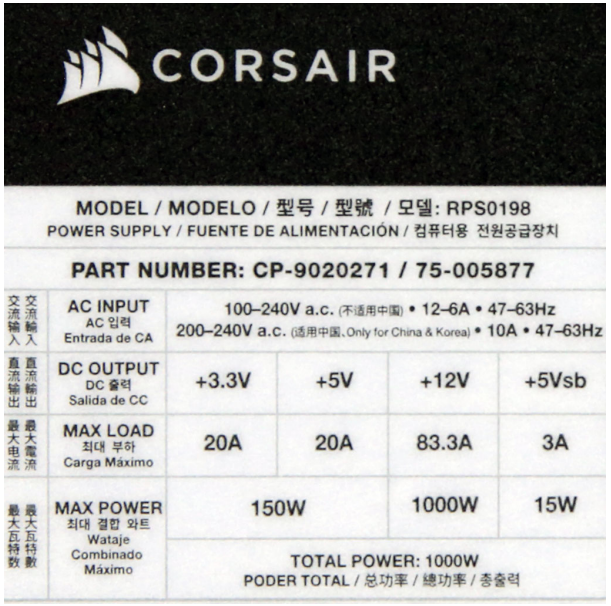
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	11.66mV	10.63mV	10.59mV	10.49mV	Pass
20% Load	12.23mV	10.83mV	10.64mV	10.23mV	Pass
30% Load	15.59mV	11.24mV	11.92mV	10.18mV	Pass
40% Load	14.89mV	12.06mV	12.89mV	10.59mV	Pass
50% Load	14.68mV	11.70mV	12.43mV	11.20mV	Pass
60% Load	15.30mV	11.75mV	12.84mV	11.76mV	Pass
70% Load	15.25mV	12.11mV	13.10mV	11.30mV	Pass
80% Load	16.68mV	12.98mV	14.94mV	11.56mV	Pass
90% Load	17.29mV	14.00mV	14.94mV	12.63mV	Pass
100% Load	23.93mV	15.27mV	16.88mV	15.80mV	Pass
110% Load	25.33mV	15.51mV	17.91mV	16.44mV	Pass
Crossload1	15.44mV	13.49mV	16.75mV	13.19mV	Pass
Crossload2	12.18mV	14.46mV	11.72mV	11.25mV	Pass
Crossload3	12.43mV	11.24mV	14.94mV	12.23mV	Pass
Crossload4	23.85mV	13.75mV	14.75mV	11.93mV	Pass

The results above are not used in the certification process

Corsair RM1000x (ATX v3.1)



Top side



Power specifications label

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