Make It Yours.

Cooler Master Elite Platinum 1000

Serial Number CM1531000F24052003600075

Lab ID CM10003463

Certification ID 263463

Test Result Report ID: 26PS3463A

Certificate Issue Date: Nov 5, 2026

Scheme: ETA-EMI PSU

115V 230V

Scheme: LAMBDA PSU

115V 230V

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	Cooler Master
Model	Elite Platinum 1000
OEM/ODM	XHY Power
Serial Number	CM1531000F24052003600075
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	6-13

Rated Frequency (Hz)	50-60
Rated Power (W)	1000
Operating Temperature (Continuous Full Load) (°C)	0 - 50
Type	ATX12V
Cable Design	Fully Modular
Warranty	12 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 140mm
Weight	1.61 kg (3.55 lb)
Cooling	120mm Rifle Bearing Fan (DF1202512RFMN)
Semi-Passive Operation	✓
Cybenetics Testing Information	
Lab ID	CM10003463
Date of receipt	Sep 29, 2026
Testing Date	Oct 23, 2026
Report Issued Date	Nov 5, 2026
Engineer Name	Efstathios Papadopoulos
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Description	Cable Count	Connector Count (Total)	Gauge	Cable Type
ATX connector 24 pin (600mm)	1	1	18-20AWG	Tinned Copper
4+4 pin EPS12V (700mm)	1	1	18AWG	Tinned Copper
8 pin EPS12V (700mm)	1	1	18AWG	Tinned Copper
6+2 pin PCIe (600mm)	3	3	18AWG	Tinned Copper
12+4 pin PCIe (600mm) (600W)	1	1	16-24AWG	Tinned Copper
SATA / 4-pin Molex (410mm+120mm) / (+120mm)	3	6/3	18AWG	Tinned Copper
AC Power Cord (1370mm) - C13 coupler	1	1	16AWG	-

Protection Features(Manufacturer)

Over Power Protection	✓
Over Current (+12V) Protection	✓
Over Temperature Protection	✓
Short Circuit Protection	✓
Surge Protection	✓
Inrush Current Protection	✓
Fan Failure Protection	✗

Power Specifications

Rail		**3.3V**	**5V**	**12V**	**5VSB**	**-12V**
Max. Power	**Amps**	20	20	83.3	3	0.3
	Watts	100		999.6	15	3.6
Total Max. Power (W)		1000				

Parts Description

General Data	
Manufacturer (OEM)	Xin Hui Yuan Technology
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72 5D-15 (5.0 Ohm @ 25°C) & Relay
Bridge Rectifier	2x Yangzhou Yangjie GBUL2506 (600V, 25A @ 125°C)
APFC MOSFETs	2x CR Micro CRJT99N65G2BF (650V, 20A @ 100°C, Rds(on): 0.103Ohm)
APFC Boost Diode	1x CR Micro CRXI06D065G3 (650V, 6A @ 163°C)
Bulk Cap(s)	1x Rubycon (420V, 680uF, 2000h @ 105°C, MXE)
Main Switchers	4x Ncepower NCE65TF099T (650V, 24A@ 100°C, Rds(on): 0.099Ohm)

APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CM6901T6X
Topology	Primary side: APFC, Full-Bridge & LLC Resonant Converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	4x U300N06
5V & 3.3V	DC-DC Converters: 6x CR Micro CRSM035N03L6Z (30V, 54A @ 100°C, Rds(on): 3.5mOhm) PWM Controller(s): Atkic AT8852Z
Filtering Capacitors	Electrolytic: 3x Nippon Chemi-con (@ 105°C, W) 6x Rubycon (4,000-10,000h @ 105°C, YXJ) 1x Rubycon (6,000-10,000h @ 105°C, ZLH) Polymer: 20x Nichicon FPCAP
Supervisor IC	IN1T7031-SDG
Fan Power Switch	B772 PNP Transistor
Fan Model	DF1202512RFMN (120mm, 12V, 0.20A, Rifle Bearing Fan)
5VSB Circuit	
Rectifier	Dongke DK5V60R10S (60V, 10mΩ)
Standby PWM Controller	ExcellianceMOS EM8569C

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	✓

Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	90.076%
Average Noise Output (>1450 Load Combinations)	19.50dBA
Average PF (>1450 Load Combinations)	0.989
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.718%
Standby Power Consumption	0.0479W
Non-Accredited	
12V Ripple (Full Load)	27.78mV
5V Ripple (Full Load)	17.04mV
3.3V Ripple (Full Load)	12.92mV
5VSB Ripple (Full Load)	16.30mV
12V Load Regulation	0.27%
5V Load Regulation	0.46%
3.3V Load Regulation	0.77%
5VSB Load Regulation	2.80%
Inrush Current	36.100A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.924%
Average Noise Output (>1450 Load Combinations)	19.22dBA
Average PF (>1450 Load Combinations)	0.964
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.894%
Standby Power Consumption	0.0768W
Non-Accredited	
12V Ripple (Full Load)	26.15mV

5V Ripple (Full Load)		13.52mV
3.3V Ripple (Full Load)		11.80mV
5VSB Ripple (Full Load)		14.93mV
12V Load Regulation		0.13%
5V Load Regulation		0.74%
3.3V Load Regulation		0.98%
5VSB Load Regulation		2.75%
Inrush Current		50.320A
12V Transient Response (200%)		11.25V
5V Transient Response (200%)		4.917V
3.3V Transient Response (200%)		3.198V
5VSB Transient Response (200%)		4.948V
Hold-Up Time & PWR_OK Signal		19.80ms
AC Loss to PWR_OK Hold Up Time		15.50ms
PWR_OK Inactive to DC Loss Delay		4.30ms
PSU Timings: T1 (20% / 100%)	55.0ms	54.0ms
PSU Timings: T3 (20% / 100%)	111.0ms	111.0ms
12V OCP (29.0°C / 42.3°C)	91.700A (110.08%), 12.077V — shut down	91.000A (109.24%), 12.081V — shut down
5V OCP (29.0°C / 42.3°C)	23.600A (118.00%), 4.952V — shut down	23.600A (118.00%), 4.935V — shut down
3.3V OCP (29.0°C / 42.3°C)	24.200A (121.00%), 3.240V — shut down	24.300A (121.50%), 3.226V — shut down
5VSB OCP (29.0°C / 42.3°C)	5.400A (180.00%), 4.989V — shut down	5.400A (180.00%), 4.986V — shut down
OPP (29.63°C / 42.60°C)	117.27%	115.12%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	19.8
AC Loss to PWR_OK Hold Up Time (ms)	15.5
PWR_OK Inactive to DC Loss Delay (ms)	4.3

Vampire Power

Tables

115V

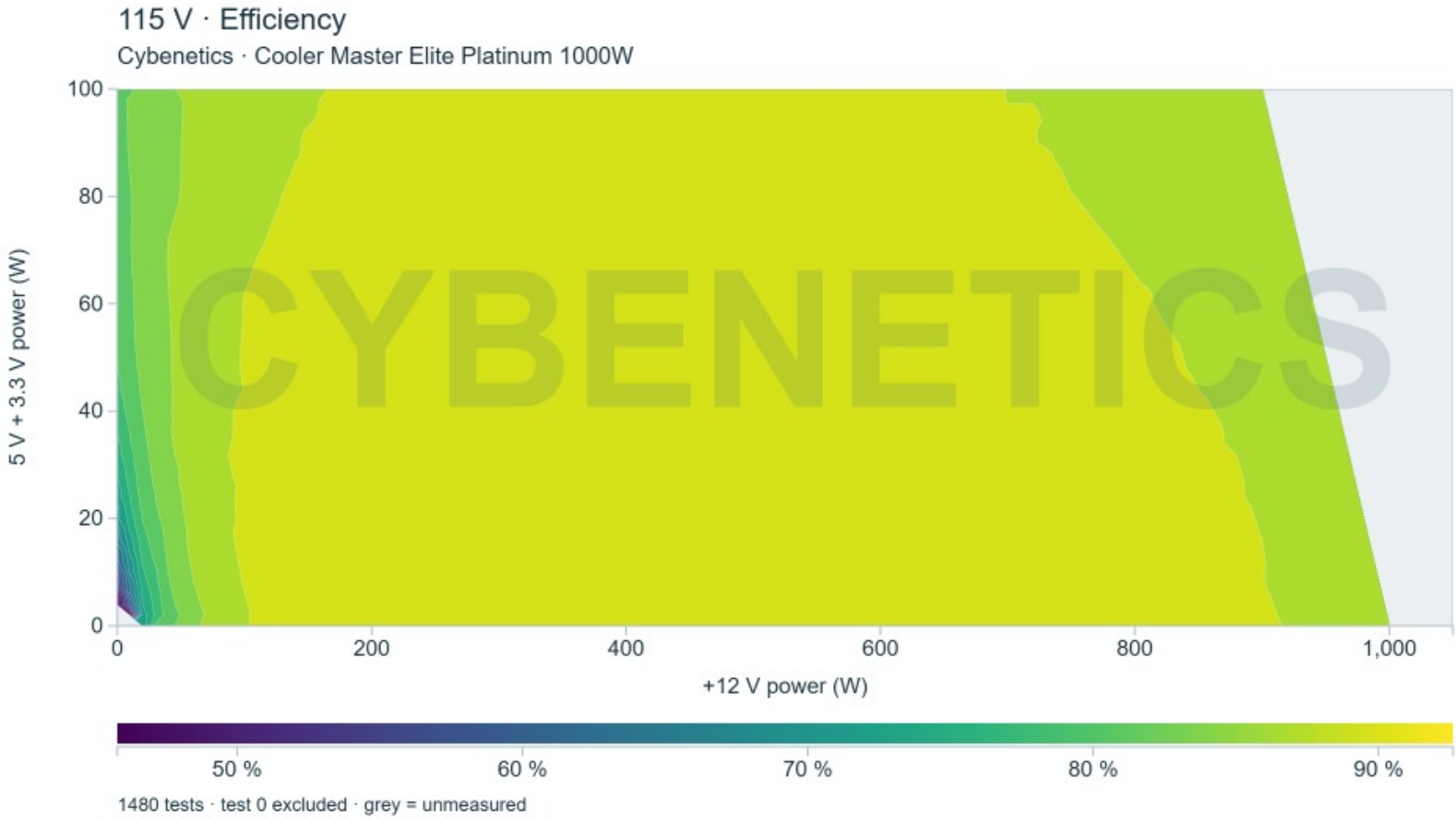
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.00 V	114.96 V	113.85 V	115.04 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.94 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.417	1.490	PASS
Mains Voltage THD:	0.13 %	0.10 %	N/A	0.32 %	2.00 %	PASS
Real Power:	0.048 W	0.032 W	N/A	0.061 W	N/A	N/A
Apparent Power:	6.506 W	5.897 W	N/A	6.545 W	N/A	N/A
Power Factor:	0.008	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.00 V	229.97 V	227.70 V	230.02 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	50.00 Hz	49.50 Hz	50.00 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.415	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.14 %	0.13 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.077 W	0.049 W	N/A	0.164 W	N/A	N/A
Apparent Power:	20.330 W	20.297 W	N/A	20.361 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

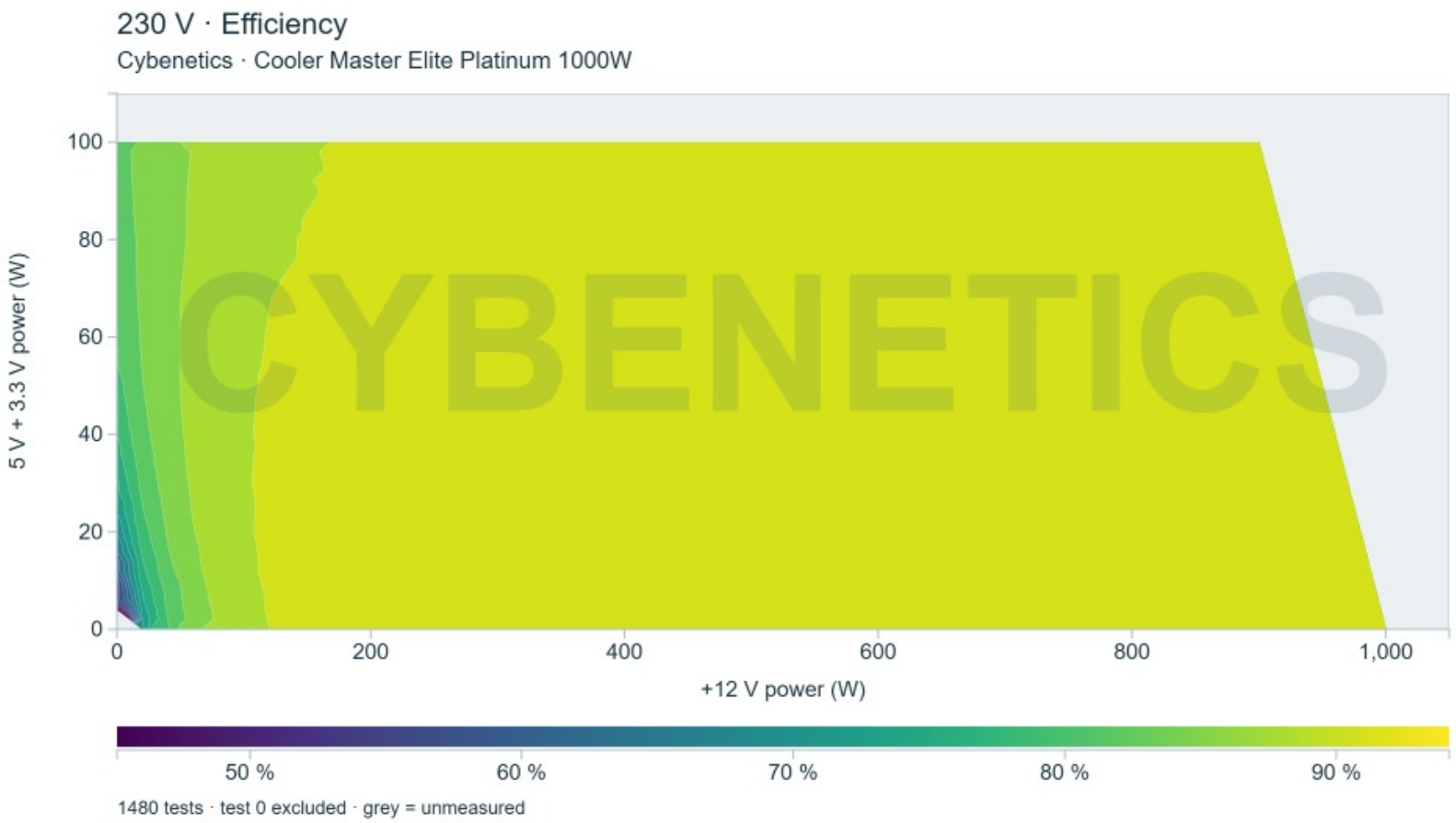
115V



INFO

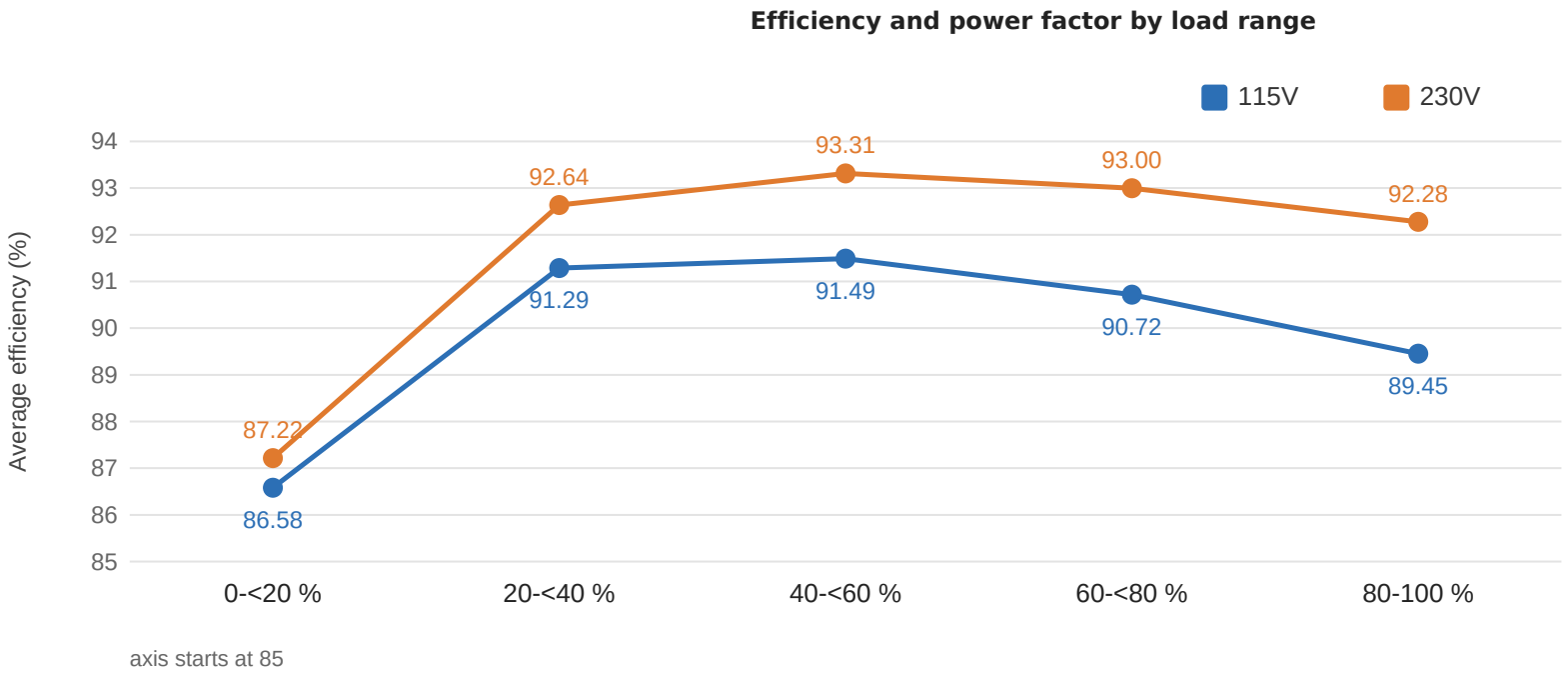
This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

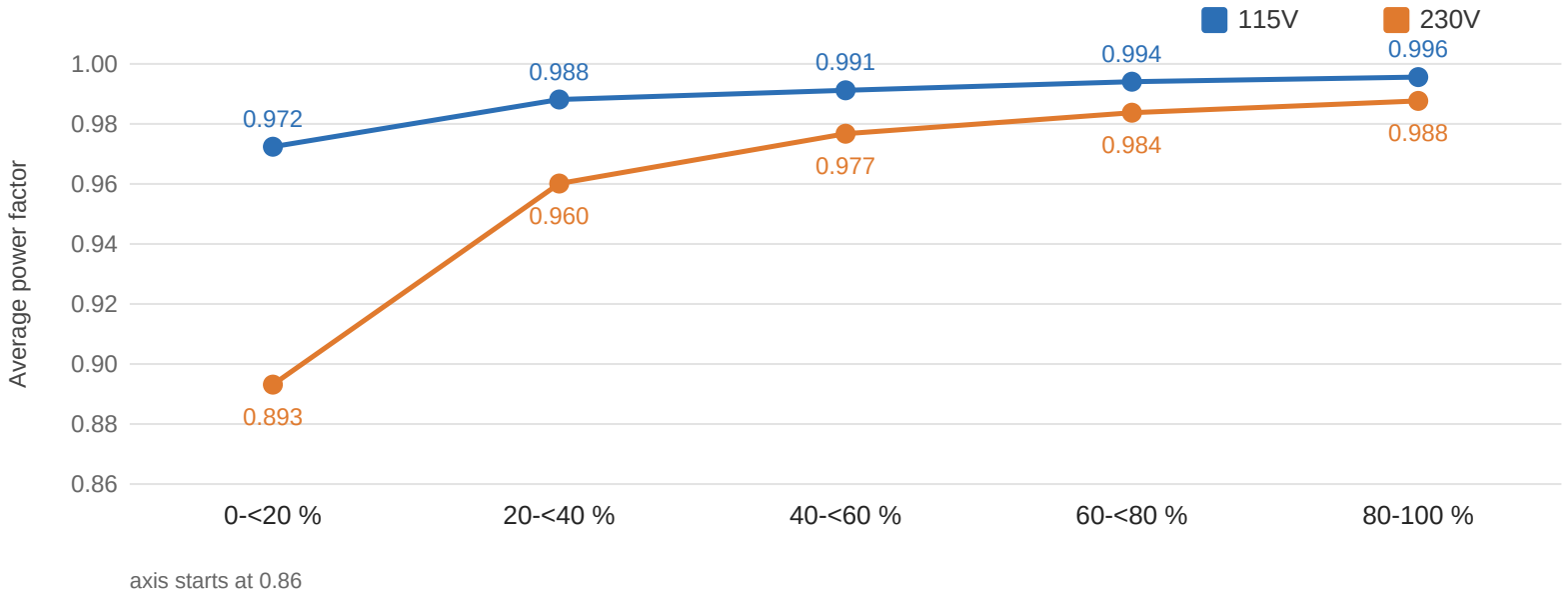


INFO

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



axis starts at 85



axis starts at 0.86

Load range	Points	Efficiency 115V	Efficiency 230V	PF 115V	PF 230V
0-<20 %	233 / 233	86.58%	87.22%	0.972	0.893
20-<40 %	310 / 310	91.29%	92.64%	0.988	0.960
40-<60 %	310 / 310	91.49%	93.31%	0.991	0.977
60-<80 %	310 / 310	90.72%	93.00%	0.994	0.984
80-100 %	317 / 317	89.45%	92.28%	0.996	0.988
70-100 % (High-Load)	472 / 472	89.78%	92.47%	0.995	0.987
All (published average)	1480 / 1480	90.08%	91.92%	0.989	0.964

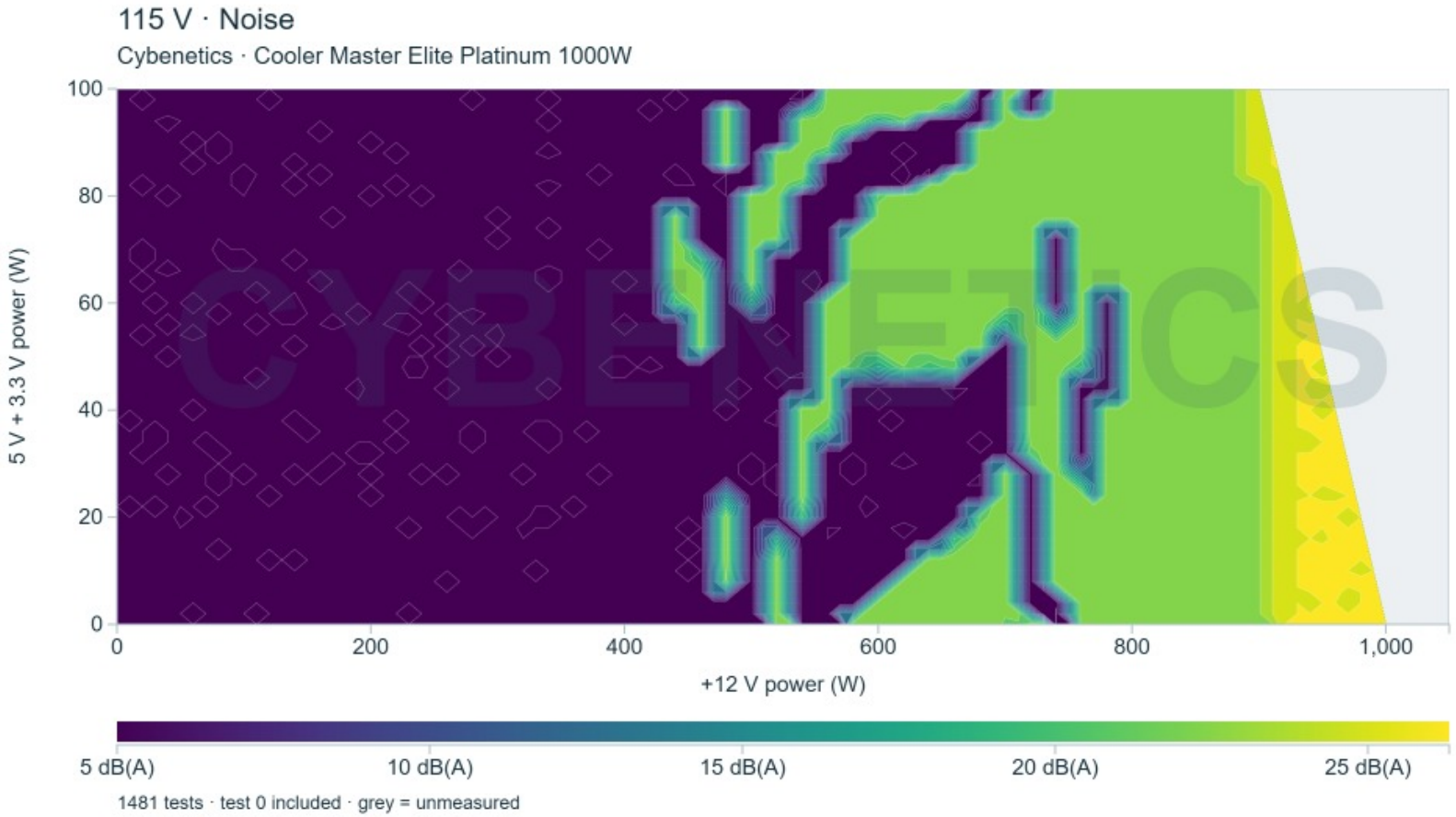
INFO

The average efficiency and power factor in five ranges of load. Calculated from the 1480 (115V) and 1480 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1000 W. These are plain averages of the valid readings, as for the ETA rating, so the ranges combined give back the published averages.

Informational. Not part of the ETA or LAMBDA rating.

Noise Graph

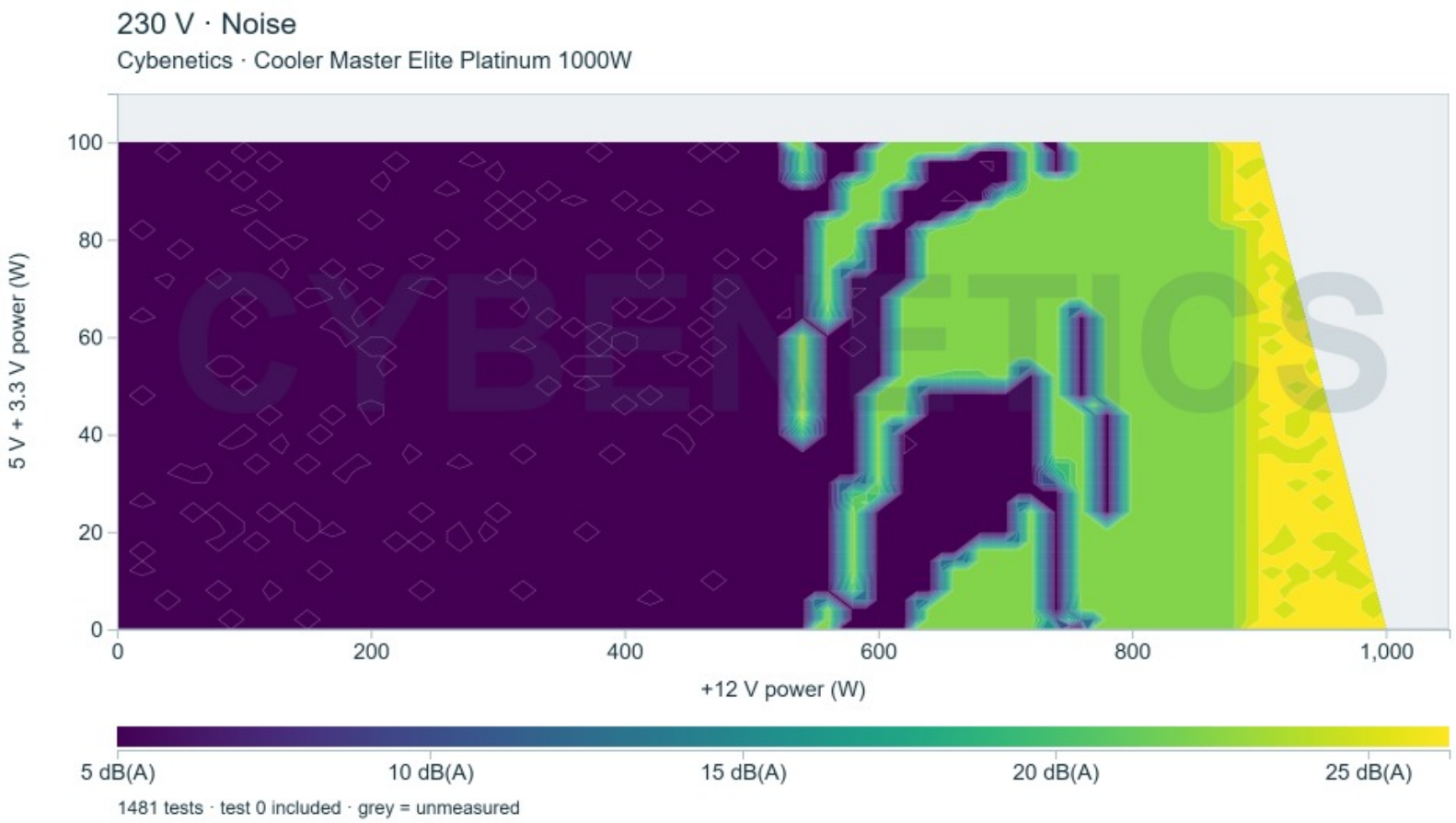
115V



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

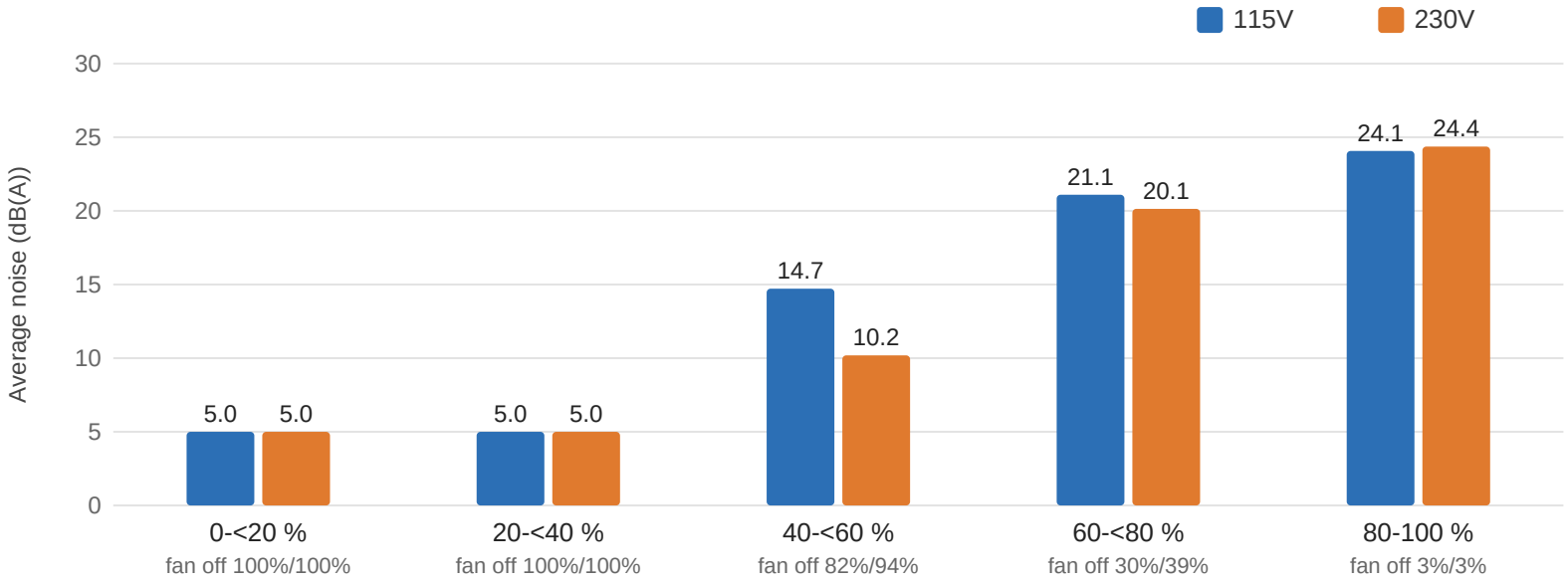
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise by load range

High-Load Index (70-100 % load)

Noise **23.4 dB(A)** at 115V and **23.5 dB(A)** at 230V · loudest point 26.3 dB(A)

Efficiency 89.78% / 92.47% · power factor 0.995 / 0.987 (115V / 230V)



Load range	Noise 115V avg (loudest)	Noise 230V avg (loudest)	Fan off 115V / 230V
0-<20 %	5.0 (5.0)	5.0 (5.0)	100% / 100%
20-<40 %	5.0 (5.0)	5.0 (5.0)	100% / 100%
40-<60 %	14.7 (23.5)	10.2 (24.8)	82% / 94%
60-<80 %	21.1 (23.5)	20.1 (24.8)	30% / 39%
80-100 %	24.1 (26.3)	24.4 (26.3)	3% / 3%
70-100 % (High-Load)	23.4 (26.3)	23.5 (26.3)	8% / 12%
All (published average)	19.5 (26.3)	19.2 (26.3)	61% / 65%

INFO

The average noise in five ranges of load, the share of points with the fan stopped (semi-passive operation), and the High-Load Index: the same figures for all points at 70 % of the rated output and above. Calculated from the 1480 (115V) and 1480 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1000 W. Noise is averaged on the energy scale, as for LAMBDA, so the ranges combined give back the published average noise. Each load combination is held for about five seconds; the stabilized readings at fixed loads are under "Noise under high ambient temperature".

Informational. Not part of the ETA or LAMBDA rating.

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) · 47.6 °C	0 RPM · <6.0 dB(A) · 53.2 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 48.4 °C	0 RPM · <6.0 dB(A) · 53.4 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 54.6 °C	0 RPM · <6.0 dB(A) · 63.8 °C	fan off in both
100%	767 RPM · 22.9 dB(A) · 31.8 °C	1256 RPM · 33.3 dB(A) · 45.3 °C	**+10.4 dB(A)**

230V

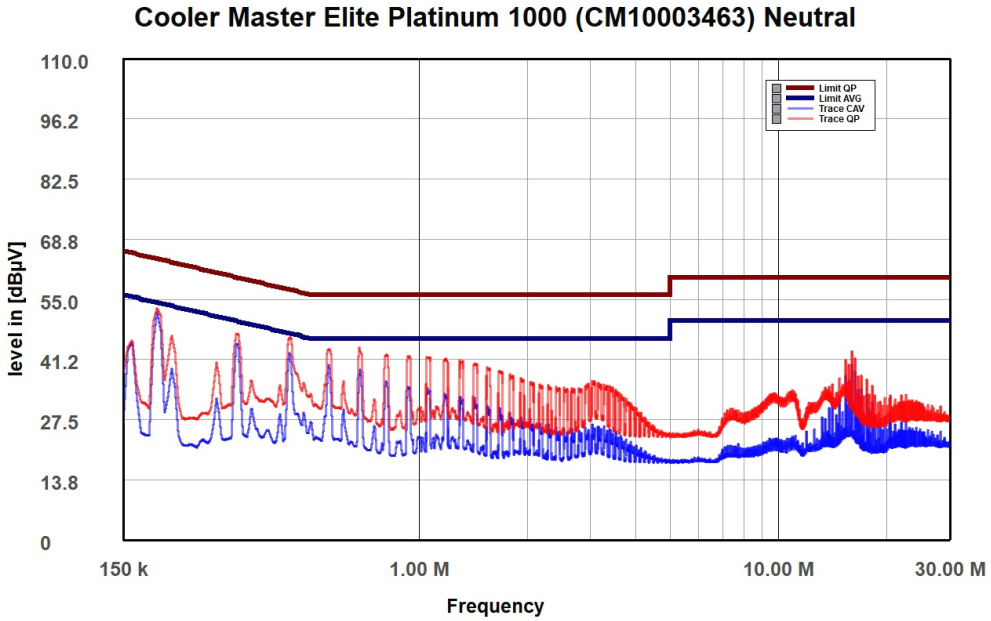
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 45.7 °C	0 RPM · <6.0 dB(A) · 46.8 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 44.7 °C	0 RPM · <6.0 dB(A) · 48.7 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 46.1 °C	0 RPM · <6.0 dB(A) · 53.6 °C	fan off in both
100%	766 RPM · 22.9 dB(A) · 34.8 °C	1258 RPM · 33.3 dB(A) · 45.4 °C	**+10.4 dB(A)**

INFO

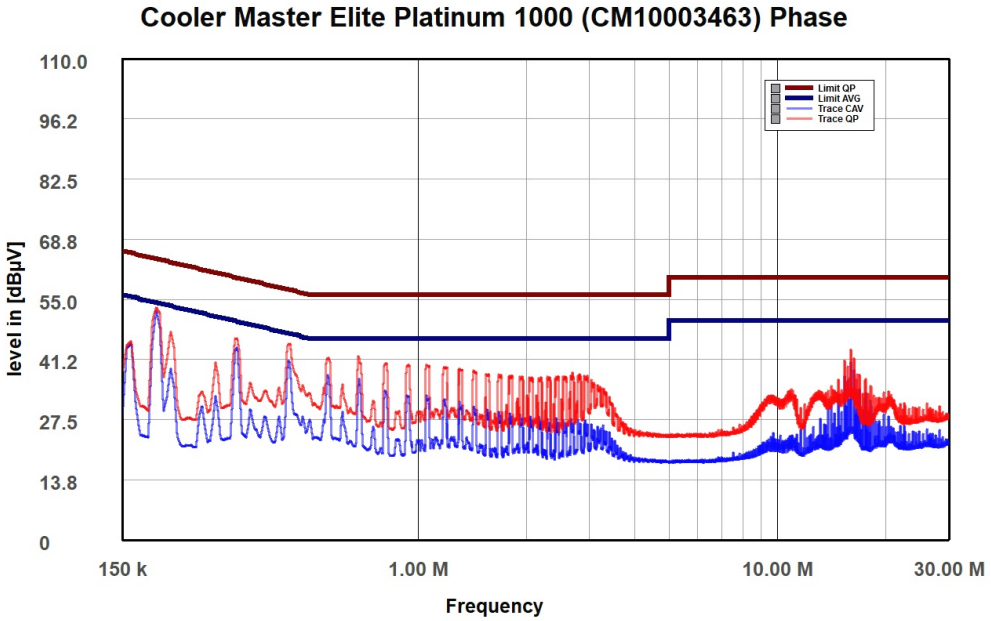
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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

Informational. Not part of the ETA or LAMBDA rating.

Conducted Emissions EN 55032 & CISPR 32



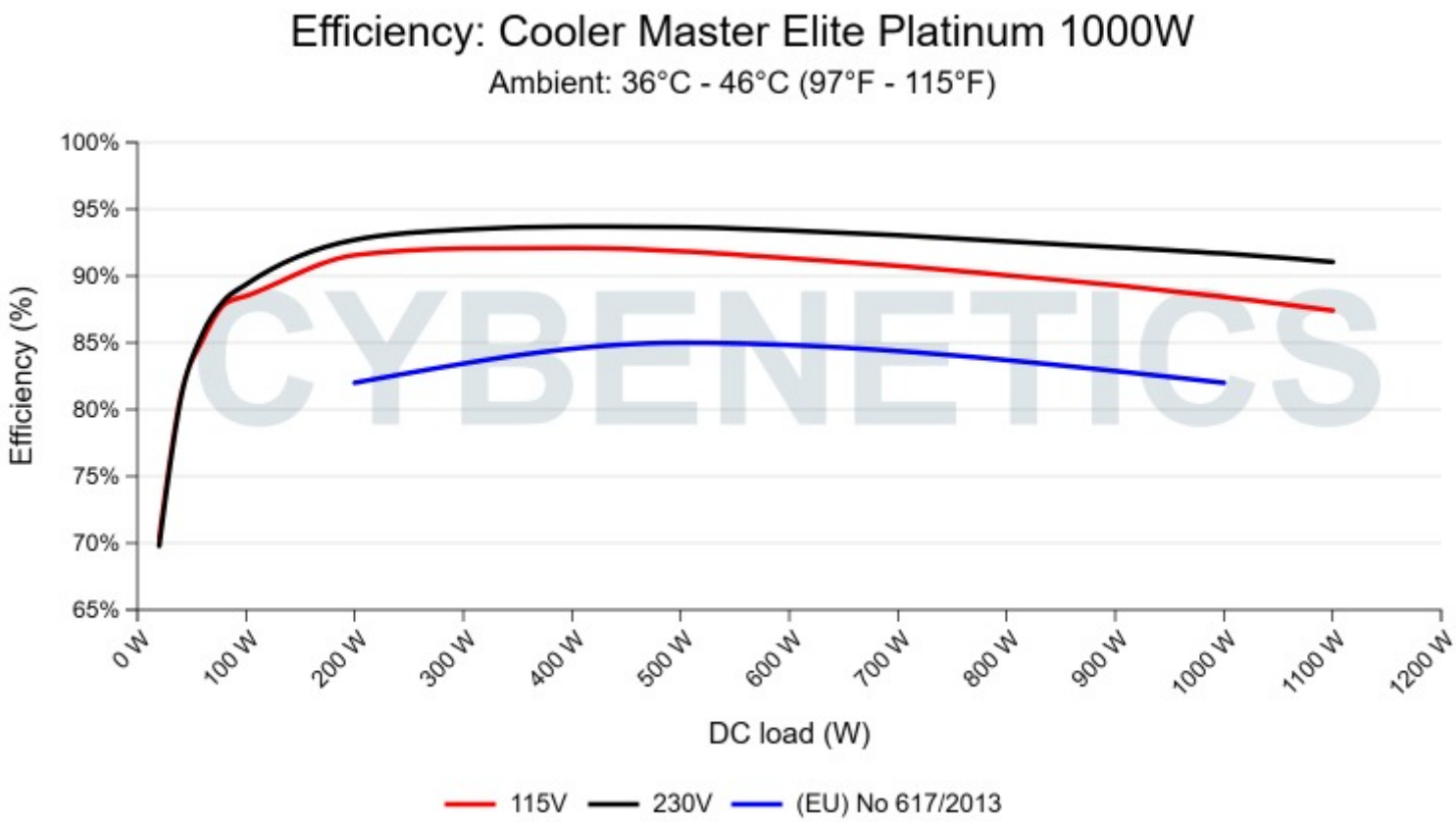
NEUTRAL



PHASE

Indicative Performance

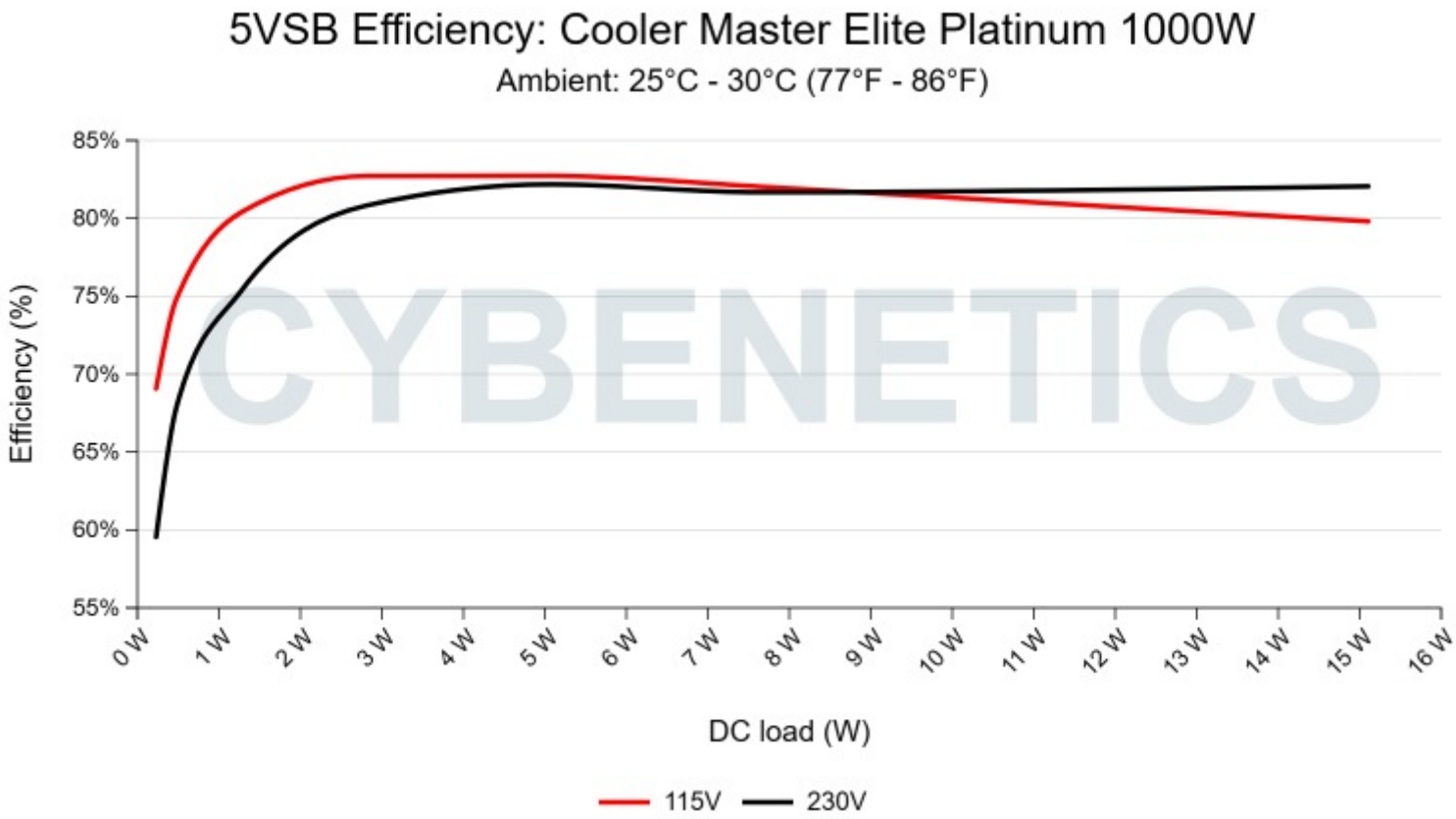
Efficiency under high ambient temperature



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**	0.23W	69.075%	0.056
	5.117V	0.333W		114.96V
2	**0.09A**	0.46W	74.582%	0.1
	5.116V	0.617W		114.95V
3	**0.55A**	2.807W	82.713%	0.339
	5.103V	3.394W		114.95V
4	**1A**	5.092W	82.734%	0.418
	5.09V	6.154W		114.95V
5	**1.5A**	7.616W	82.041%	0.454
	5.076V	9.283W		114.95V
6	**3.001A**	15.105W	79.806%	0.506
	5.034V	18.927W		114.95V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.23W	59.552%	0.02
	5.117V	0.387W		230.05V
2	**0.09A**	0.46W	67.489%	0.035
	5.115V	0.682W		230.06V
3	**0.55A**	2.807W	80.819%	0.158
	5.103V	3.473W		230.07V
4	**1A**	5.091W	82.185%	0.24
	5.09V	6.195W		230.07V
5	**1.5A**	7.616W	81.671%	0.302
	5.076V	9.325W		230.08V
6	**3A**	15.105W	82.057%	0.383
	5.035V	18.408W		230.08V

Protection Features

OCP (Normal @ 29.0°C)	12V: 91.700A (110.08%), 12.077V — shut down 5V: 23.600A (118.00%), 4.952V — shut down 3.3V: 24.200A (121.00%), 3.240V — shut down 5VSB: 5.400A (180.00%), 4.989V — shut down
OCP (Hot @ 42.3°C)	12V: 91.000A (109.24%), 12.081V — shut down 5V: 23.600A (118.00%), 4.935V — shut down 3.3V: 24.300A (121.50%), 3.226V — shut down 5VSB: 5.400A (180.00%), 4.986V — shut down
OVP (per rail)	12V: 14.153V (✓) 5V: 5.783V (✓) 3.3V: 3.727V (✓)
OPP (Normal @ 29.6°C)	1172.72W (117.27%) — shut down
OPP (Hot @ 42.6°C)	1151.23W (115.12%) — shut down
OTP	✓ (147°C @ 12V Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓ Rail to rail: not tested
PWR_OK	Accurate but short
UVP (Typical Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN 55032 & CISPR 32	✓
NLO	✓
Fan Failure Protection	✗
SIP	Surge: MOV Inrush: NTC & Bypass Relay

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%	**6.544A**	**2A**	**2A**	**1A**	100.685	88.517%	0	<6.0	53.19°C	0.973
	12.077V	5.009V	3.271V	5.085V	113.746				40.15°C	114.95V
20%	**14.105A**	**3.001A**	**3A**	**1.2A**	201.206	91.571%	0	<6.0	53.41°C	0.983
	12.073V	5.006V	3.268V	5.073V	219.727				40.72°C	114.93V
30%	**22.003A**	**3.501A**	**3.5A**	**1.4A**	301.649	92.051%	0	<6.0	55.76°C	0.989
	12.072V	5.001V	3.264V	5.062V	327.698				41.06°C	114.9V
40%	**29.909A**	**4.001A**	**4A**	**1.6A**	402.17	92.1%	0	<6.0	58.44°C	0.989
	12.071V	4.997V	3.261V	5.05V	436.667				41.93°C	114.87V
50%	**37.473A**	**5.001A**	**5A**	**1.8A**	502.656	91.844%	0	<6.0	63.83°C	0.991
	12.071V	4.99V	3.256V	5.037V	547.293				42.12°C	114.84V
60%	**45.033A**	**6A**	**5.999A**	**2.001A**	603.016	91.305%	0	<6.0	50.32°C	0.993
	12.069V	4.99V	3.254V	5.025V	660.444				42.57°C	114.82V
70%	**52.599A**	**7.001A**	**6.999A**	**2.2A**	703.265	90.735%	709	22.3	43.48°C	0.994
	12.063V	4.991V	3.253V	5.013V	775.072				51.96°C	114.79V
80%	**60.199A**	**8.001A**	**7.999A**	**2.3A**	803.392	90.024%	770	22.9	43.66°C	0.995
	12.059V	4.992V	3.252V	5.003V	892.422				53.48°C	114.76V
90%	**68.138A**	**8.5A**	**8.498A**	**2.4A**	903.407	89.281%	896	25.6	43.88°C	0.996
	12.055V	4.99V	3.25V	4.993V	1011.873				72.54°C	114.73V
100%	**75.500A**	**9.02A**	**9.141A**	**3.018A**	999.508	88.443%	1256	33.3	45.32°C	0.997
	12.051V	4.989V	3.249V	4.971V	1130.121				70.38°C	114.7V
110%	**83.160A**	**10.028A**	**10.258A**	**3.023A**	1100.157	87.406%	1542	36.5	46.27°C	0.997
	12.047V	4.986V	3.246V	4.963V	1258.67				69.31°C	114.68V
CL1	**0.115A**	**12.129A**	**12.25A**	**0A**	101.287	83.175%	0	<6.0	50.49°C	0.974
	12.088V	4.963V	3.24V	5.097V	121.776				40.14°C	114.93V

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**	**20.262A**	**0A**	**0A**	101.388	80.688%	0	<6.0	50.97°C	0.974
	12.093V	4.935V	3.239V	5.101V	125.654				40.38°C	114.94V
CL3	**0.115A**	**0A**	**20.474A**	**0A**	67.385	74.77%	0	<6.0	50.91°C	0.968
	12.093V	4.959V	3.223V	5.099V	90.124				40.24°C	114.94V
CL4	**82.957A**	**0A**	**0A**	**0A**	1000.083	89.067%	1258	33.3	45.27°C	0.996
	12.056V	5.003V	3.26V	5.053V	1122.839				71.08°C	114.71V

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%	**6.499A**	**1.995A**	**2.014A**	**0.983A**	100.02	89.364%	0	<6.0	46.8°C	0.893
	12.066V	5.014V	3.277V	5.086V	111.924				40.11°C	230.02V
20%	**14.013A**	**2.995A**	**3.025A**	**1.183A**	199.969	92.699%	0	<6.0	48.66°C	0.942
	12.065V	5.009V	3.273V	5.074V	215.72				40.92°C	230.04V
30%	**21.879A**	**3.497A**	**3.533A**	**1.383A**	300.013	93.468%	0	<6.0	49.49°C	0.961
	12.065V	5.005V	3.27V	5.063V	320.979				41.1°C	230.04V
40%	**29.710A**	**4A**	**4.042A**	**1.584A**	399.672	93.701%	0	<6.0	51.54°C	0.971
	12.065V	5V	3.266V	5.052V	426.539				41.51°C	230.05V
50%	**37.205A**	**5.007A**	**5.059A**	**1.786A**	499.392	93.656%	0	<6.0	53.55°C	0.977
	12.065V	4.994V	3.261V	5.04V	533.221				42.16°C	230.04V
60%	**44.765A**	**6.017A**	**6.082A**	**1.99A**	599.933	93.404%	0	<6.0	56.48°C	0.981
	12.065V	4.987V	3.256V	5.027V	642.297				42.9°C	230.03V
70%	**52.274A**	**7.012A**	**7.092A**	**2.194A**	699.648	93.049%	651	21.2	43.08°C	0.984
	12.062V	4.993V	3.257V	5.015V	751.915				61.21°C	230.03V
80%	**59.859A**	**8.015A**	**8.108A**	**2.298A**	799.656	92.584%	771	22.9	43.84°C	0.986
	12.058V	4.991V	3.255V	5.005V	863.712				62.49°C	230.02V
90%	**67.770A**	**8.519A**	**8.606A**	**2.402A**	899.445	92.157%	898	25.6	44.73°C	0.988
	12.055V	4.989V	3.253V	4.996V	975.993				63.02°C	230.01V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**75.500A**	**9.02A**	**9.132A**	**3.016A**	999.45	91.683%	1258	33.3	45.4°C	0.989
	12.050V	4.989V	3.252V	4.974V	1090.114				61.8°C	230V
110%	**83.166A**	**10.027A**	**10.247A**	**3.021A**	1100.09	91.044%	1543	36.5	43.07°C	0.99
	12.045V	4.986V	3.249V	4.966V	1208.305				61.02°C	229.98V
CL1	**0.116A**	**12.102A**	**12.209A**	**0A**	101.294	84.221%	0	<6.0	41.36°C	0.899
	12.087V	4.974V	3.251V	5.098V	120.271				44.48°C	230.1V
CL2	**0.115A**	**20.244A**	**0A**	**0A**	101.389	81.676%	0	<6.0	46.34°C	0.901
	12.093V	4.939V	3.246V	5.102V	124.135				41.64°C	230.1V
CL3	**0.115A**	**0A**	**20.454A**	**0A**	67.384	75.224%	0	<6.0	48.79°C	0.867
	12.095V	4.957V	3.226V	5.1V	89.579				40.15°C	230.11V
CL4	**82.970A**	**0A**	**0A**	**0A**	1000.069	92.268%	1260	33.3	45.49°C	0.989
	12.053V	5.003V	3.263V	5.056V	1083.869				62.53°C	229.99V

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	**1.240A**	**0.5A**	**0.5A**	**0.2A**	20.154	70.402%	0	<6.0	51.09°C	0.91
	12.084V	5.011V	3.274V	5.11V	28.627				36.53°C	114.96V
40W	**2.720A**	**0.7A**	**0.7A**	**0.3A**	40.194	81.096%	0	<6.0	49.04°C	0.946
	12.081V	5.012V	3.274V	5.107V	49.563				37.14°C	114.96V
61W	**4.224A**	**0.9A**	**0.9A**	**0.4A**	60.521	85.296%	0	<6.0	50.01°C	0.962
	12.080V	5.012V	3.273V	5.103V	70.954				38.11°C	114.94V
81W	**5.704A**	**1.1A**	**1.1A**	**0.5A**	80.555	87.917%	0	<6.0	51.79°C	0.969
	12.078V	5.011V	3.273V	5.099V	91.627				39.17°C	114.96V

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	**1.232A**	**0.498A**	**0.502A**	**0.196A**	20.003	69.792%	0	<6.0	39.75°C	0.653
	12.057V	5.024V	3.284V	5.111V	28.661				36.06°C	230.04V
40W	**2.711A**	**0.697A**	**0.704A**	**0.294A**	40.003	80.849%	0	<6.0	39.9°C	0.778
	12.058V	5.022V	3.283V	5.108V	49.479				37.22°C	230.03V
60W	**4.189A**	**0.897A**	**0.905A**	**0.392A**	60.004	85.679%	0	<6.0	40.26°C	0.835
	12.061V	5.02V	3.281V	5.104V	70.033				38.37°C	230.02V
80W	**5.665A**	**1.097A**	**1.107A**	**0.49A**	79.971	88.184%	0	<6.0	41.12°C	0.87
	12.063V	5.018V	3.28V	5.1V	90.687				39.17°C	230.01V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	20.15mV	11.22mV	5.90mV	11.11mV	Pass
20% Load	21.12mV	11.37mV	6.05mV	11.05mV	Pass
30% Load	23.61mV	12.91mV	6.20mV	12.13mV	Pass
40% Load	21.42mV	11.33mV	6.41mV	12.08mV	Pass
50% Load	20.46mV	12.04mV	7.53mV	12.13mV	Pass
60% Load	22.39mV	13.32mV	10.22mV	12.63mV	Pass
70% Load	23.92mV	13.57mV	10.73mV	13.40mV	Pass
80% Load	26.66mV	15.10mV	12.21mV	14.37mV	Pass
90% Load	27.53mV	15.91mV	12.82mV	15.03mV	Pass
100% Load	27.78mV	17.04mV	12.92mV	16.30mV	Pass
110% Load	32.67mV	17.55mV	13.73mV	17.58mV	Pass
Crossload1	19.59mV	12.29mV	12.46mV	14.37mV	Pass
Crossload2	19.95mV	13.06mV	5.49mV	13.96mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	18.37mV	15.56mV	16.99mV	15.03mV	Pass
Crossload4	29.41mV	17.19mV	8.80mV	18.75mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	19.28mV	11.02mV	5.95mV	10.75mV	Pass
20% Load	22.34mV	11.78mV	5.95mV	11.82mV	Pass
30% Load	24.93mV	11.84mV	6.41mV	12.33mV	Pass
40% Load	23.25mV	11.78mV	6.92mV	12.63mV	Pass
50% Load	21.32mV	11.73mV	7.43mV	12.38mV	Pass
60% Load	21.83mV	12.09mV	7.27mV	13.04mV	Pass
70% Load	22.64mV	12.55mV	7.99mV	13.86mV	Pass
80% Load	24.78mV	12.70mV	11.55mV	13.81mV	Pass
90% Load	24.83mV	12.80mV	12.11mV	14.87mV	Pass
100% Load	26.15mV	13.52mV	11.80mV	14.93mV	Pass
110% Load	29.97mV	13.77mV	12.05mV	15.23mV	Pass
Crossload1	19.44mV	11.48mV	11.90mV	14.73mV	Pass
Crossload2	19.18mV	13.01mV	5.34mV	14.26mV	Pass
Crossload3	18.63mV	16.02mV	16.83mV	16.00mV	Pass
Crossload4	27.94mV	12.60mV	6.92mV	18.95mV	Pass

The results above are not used in the certification process

Cooler Master Elite Platinum 1000



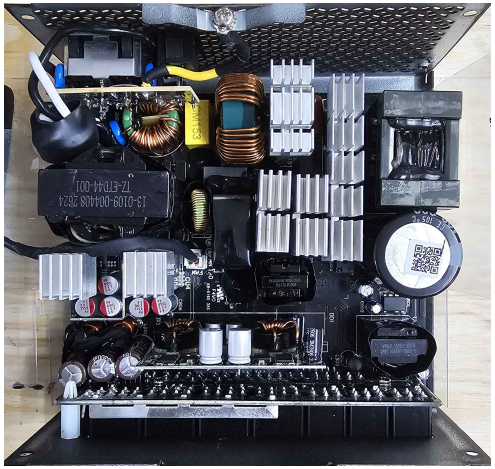
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Power specifications label



Fan



PSU Internals

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

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