# NZXT

## NZXT NP-C750M

31195125800160

Lab ID NZ75001685

Certification ID 251685

Test Result Report ID: 20PS1685A

Certificate Issue Date: Jul 20, 2020

Scheme: ETA-EMI PSU

115V




230V




115V




230V




Scheme: LAMBDA PSU



Aristeidis Bitziopoulos, Certification Body General Manager

# General Information

## Test Equipment

| | |
|---|---|
| Electronic Loads | Chroma 63601-5 x2<br>Chroma 63600-2<br>Chroma 63640-80-80 x10<br>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 | NZXT |
| Model | NP-C750M |
| OEM/ODM | Seasonic |
| Serial Number | 31195125800160 |
| Product Specifications | |
| Manufacturer-Provided Information | |
| □□□□ (Vrms) | 100-240 |
| □□□□ (Arms) | 10-5 |
| □□□□ (Hz) | 50-60 |

| | |
|---|---|
| □□□□ (W) | 750 |
| Operating Temperature (Continuous Full Load) (°C) | |
| □□ | ATX12V |
| □□□□ | Fully Modular |
| Warranty | - |
| Cybenetics Measurements | |
| Dimensions (W x H x D) | |
| Weight | |
| □□ | 120mm Fluid Dynamic Bearing Fan<br>(HA1225H12F-Z) |
| □□□□□ | ✓ (selectable) |
| Cybenetics Testing Information | |
| Lab ID | NZ75001685 |
| Date of receipt | Jun 25, 2020 |
| Testing Date | Jul 16, 2020 |
| Report Issued Date | Jul 20, 2020 |
| Engineer Name | - |
| Authorized By the Laboratory Technical Manager | Aristeidis Bitziopoulos |
| Signature |  |

## □□□□□ (Non-accredited measurements)

| □□□□□ | | | | |
|---|---|---|---|---|
| □□ | □□□□ | □□□□□□ | Gauge | In Cable Capacitors |
| ATX □□ 20+4 pin (610mm) | 1 | 1 | 18-22AWG | □ |
| 4+4 pin EPS 12V □□ (650mm) | 1 | 1 | 18AWG | □ |
| 6+2pin PCIe□□ (680mm+80mm) | 2 | 4 | 18AWG | □ |
| SATA□□ (500mm+100mm+100mm+100mm) | 2 | 8 | 18AWG | □ |
| 4-pin Molex (500+100mm+100mm) | 2 | 6 | 18AWG | □ |
| AC Power Cord (1400mm) - C13 coupler | 1 | 1 | 16AWG | - |

□□□□

| □ | | 3.3V | 5V | 12V | 5VSB | -12V |
|---|---|---|---|---|---|---|
| □□□□ | □□ | 20 | 20 | 62 | 3 | 0.3 |
| | □ | 100 | | 744 | 15 | 3.6 |
| □□□□□ (W) | | 750 | | | | |

## Parts Description

| | |
|---|---|
| General Data | - |
| Manufacturer (OEM) | Seasonic |
| PCB Type | Double Sided |
| Primary Side | - |
| Transient Filter | 4x Y caps, 2x X caps, 2x CM chokes, 1x MOV, 1x Champion CM02X (Discharge IC) |
| Inrush Protection | NTC Thermistor (MF72-5D15M) & Relay |
| Bridge Rectifier(s) | 2x GBU1508 (800V, 15A @ 100°C) |
| APFC MOSFETs | 2x Infineon IPA60R180P7S (650V, 11A @ 100°C, Rds(on): 0.18Ohm) |
| APFC Boost Diode | 1x STMicroelectronics STTH8S06 (600V, 8A @ 25°C) |
| Bulk Cap(s) | 1x Nippon Chemi-Con (400V, 560uF, 2,000h @ 105°C, KMR) |
| Main Switchers | 4x Great Power GPT10N50AD (500V, 9.7A, Rds(on): 0.7Ohm) |
| APFC Controller | Champion CM6500UNX |
| Resonant Controller | Champion CM6901T6X |
| Topology | Primary side: APFC, Full-Bridge & LLC converter<br>Secondary side: Synchronous Rectification & DC-DC converters |
| Secondary Side | - |
| +12V MOSFETs | 4x Nexperia PSMN2R6-40YS (40V, 100A @ 100°C, Rds(on): 5.3mOhm @ 175°C) |
| 5V & 3.3V | DC-DC Converters: 6x Infineon BSC0906NS (30V, 40A @ 100°C, 4.5mΩ)<br>PWM Controller: ANPEC APW7159 |
| Filtering Capacitors | Electrolytic: 2x Nippon Chemi-Con (105°C, W), 6x Nippon Chemi-Con (1-5,000h @ 105°C, KZE), 4x Nippon Chemi-Con (4-10,000h @ 105°C, KY), 2x Rubycon (3-6,000h @ 105°C, YXG)<br>Polymer: 8x Chemi-Con, 3x FPCAP, 6x NIC |
| Supervisor IC | Weltrend WT7527V (OCP, OVP, UVP, SCP, PG) |
| Fan Model | Hong Hua HA1225H12F-Z (120mm, 12V, 0.58A, 2200 RPM, Fluid Dynamic Bearing) |
| 5VSB Circuit | - |

| | |
|---|---|
| Rectifier | 1x MCC MBR1045ULPS SBR (45V, 10A @ 90°C) |
| Standby PWM Controller | Excelliance MOS EM8569 |

# Test Results

## Temperature & Compliance Info

| | |
|---|---|
| □□□□ (°C /°F) | 28-32 / 82.4-89.6 |
| □□ ErP Lot3/6□□ | ✓ |
| □□ (EU) No 617/2013□□ | ✓ |

## Performance Summary

### 115V

| | |
|---|---|
| Accredited | |
| □□□□ (>1450 load combinations) | 88.696% |
| Average Noise Output (>1450 Load Combinations) | 33.38dBA |
| PF□□□ (>1450 Load Combinations) | 0.983 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 64.017% |
| □□□□□□ | 0.0442W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 22.73mV |
| 5V Ripple (Full Load) | 11.75mV |
| 3.3V Ripple (Full Load) | 15.39mV |
| 5VSB Ripple (Full Load) | 9.23mV |
| 12V Load Regulation | 0.24% |
| 5V Load Regulation | 1.39% |
| 3.3V Load Regulation | 1.29% |
| 5VSB Load Regulation | 3.13% |
| Inrush Current | 28.550A |

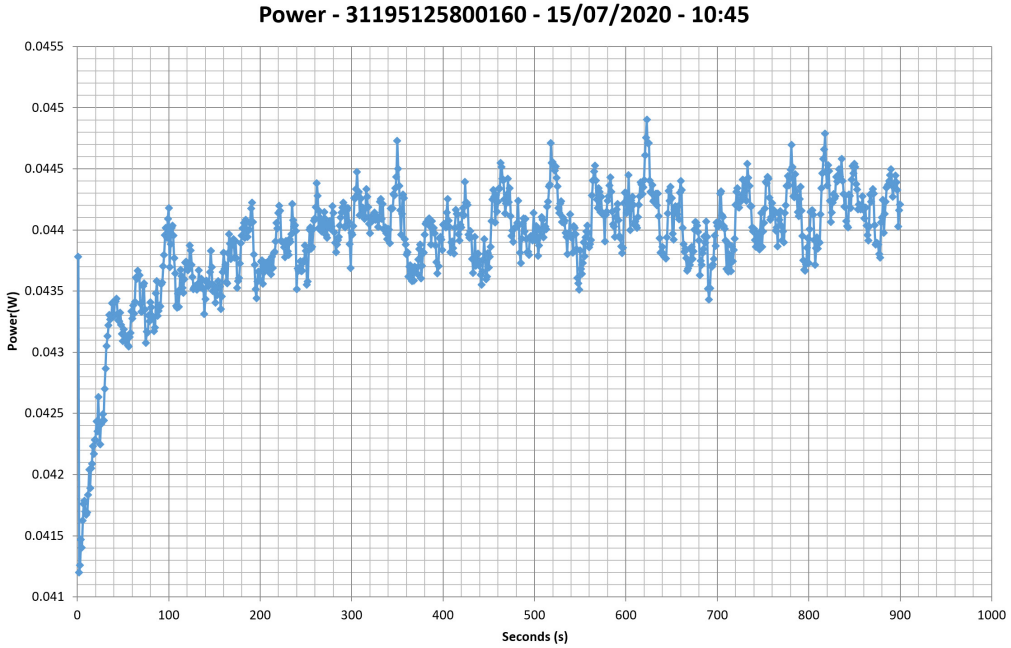
| 230V | | |
|---|---|---|
| Accredited | | |
| □□□□ (>1450 load combinations) | | 90.780% |
| Average Noise Output (>1450 Load Combinations) | | 33.05dBA |
| PF□□□ (>1450 Load Combinations) | | 0.943 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | | - |
| □□□□□□ | | 0.0683W |
| Non-Accredited | | |
| 12V Ripple (Full Load) | | 23.76mV |
| 5V Ripple (Full Load) | | 12.16mV |
| 3.3V Ripple (Full Load) | | 15.38mV |
| 5VSB Ripple (Full Load) | | 8.85mV |
| 12V Load Regulation | | 0.31% |
| 5V Load Regulation | | 1.47% |
| 3.3V Load Regulation | | 1.59% |
| 5VSB Load Regulation | | 3.09% |
| Inrush Current | | 67.100A |
| □□□□ & PG□□ | | 22.10ms |
| AC Loss to PWR_OK Hold Up Time | | 18.40ms |
| PWR_OK Inactive to DC Loss Delay | | 3.70ms |
| PSU Timings: T1 (20% / 100%) | 92.0ms | 85.0ms |
| PSU Timings: T3 (20% / 100%) | 324.0ms | 322.0ms |
| OPP (0.00°C / 0.00°C) | 138.19% | - |

## □□□□ & PG□□

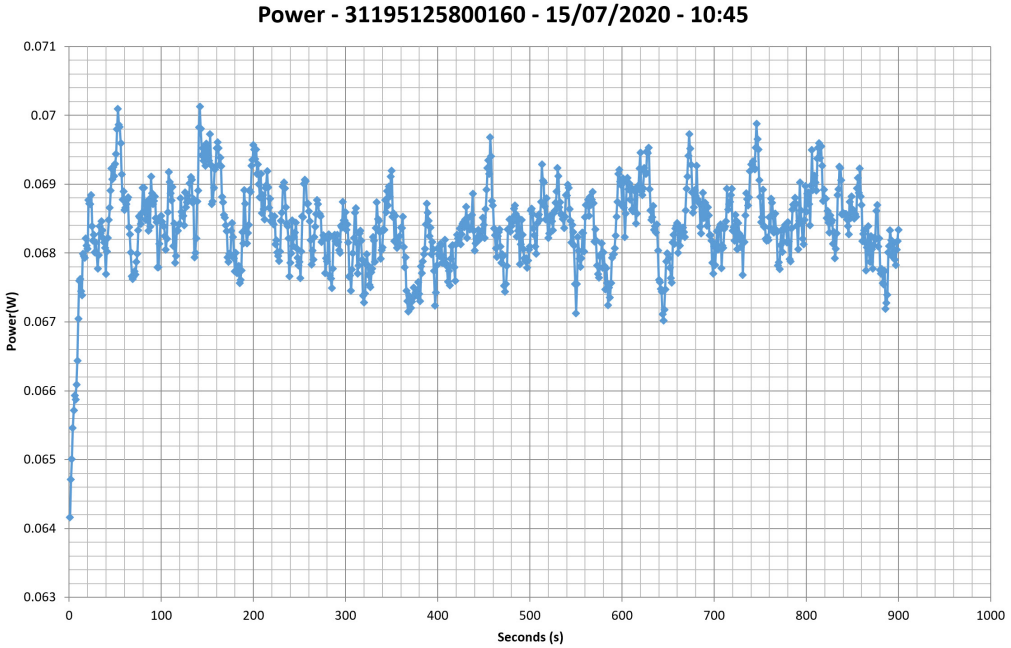
| | |
|---|---|
| Hold-Up Time (ms) | 22.1 |
| AC Loss to PWR_OK Hold Up Time (ms) | 18.4 |
| PWR_OK Inactive to DC Loss Delay (ms) | 3.7 |

## Graphs

### 115V

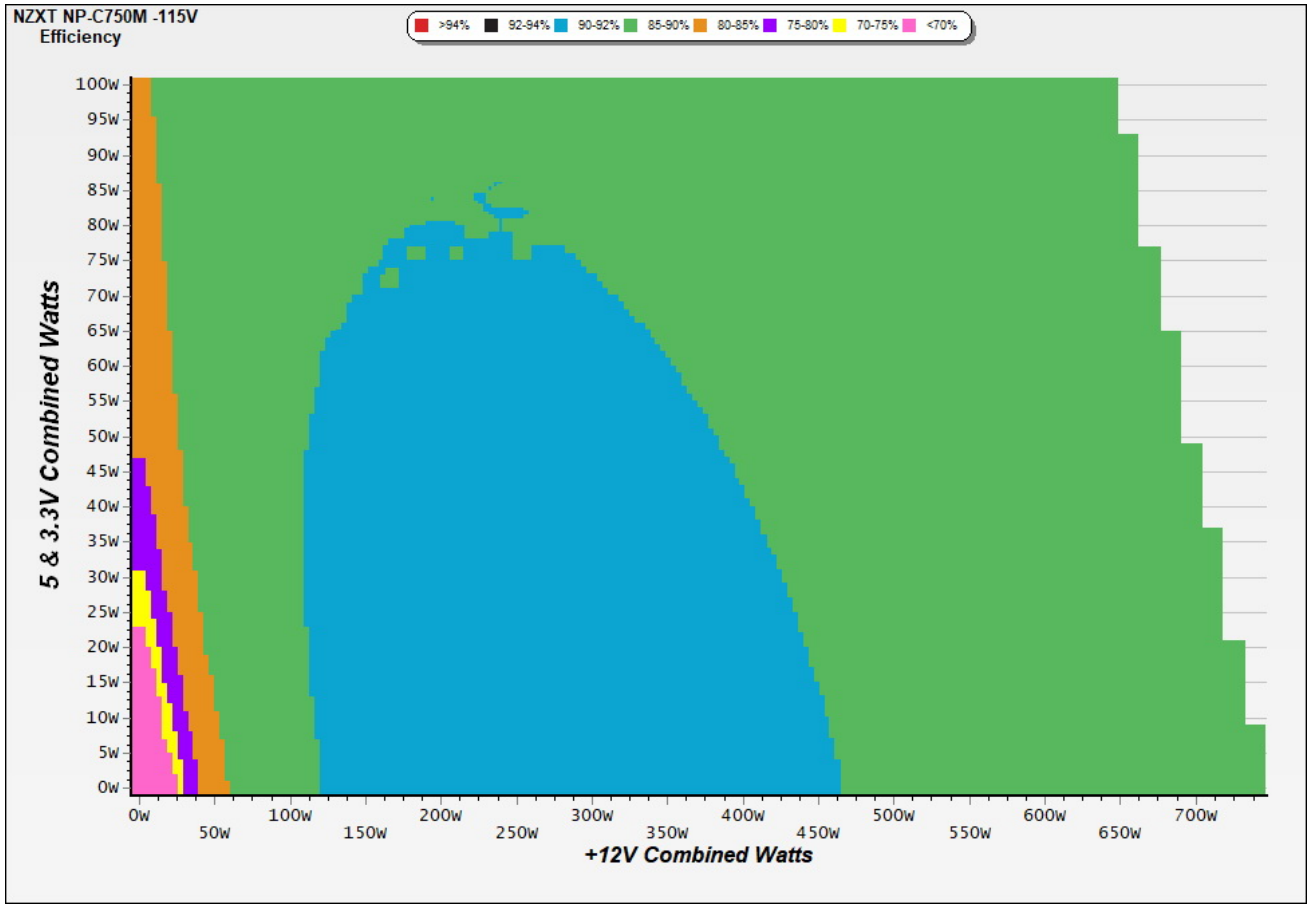



### 230V



## □□□□□□

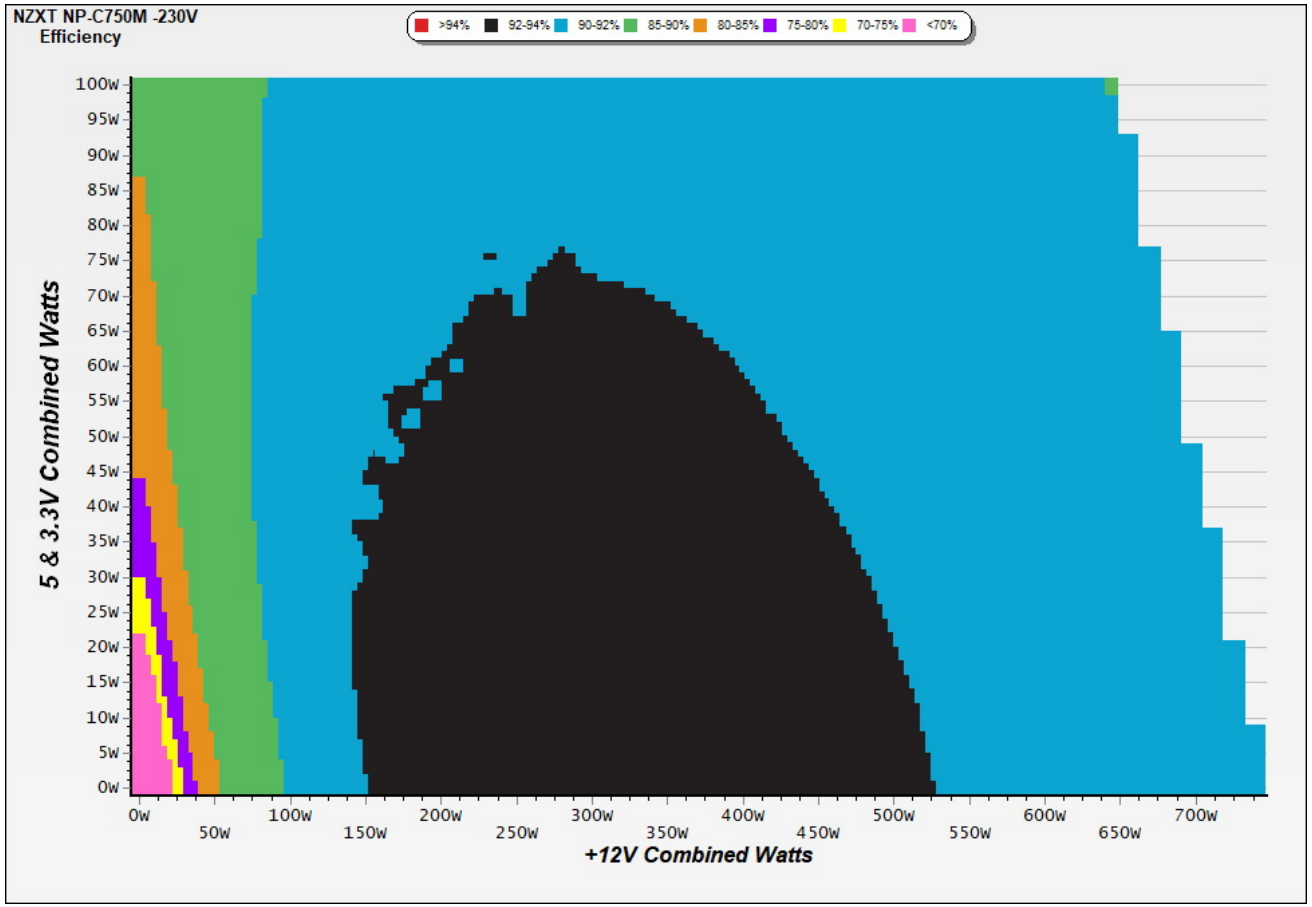
### 115V




□□

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

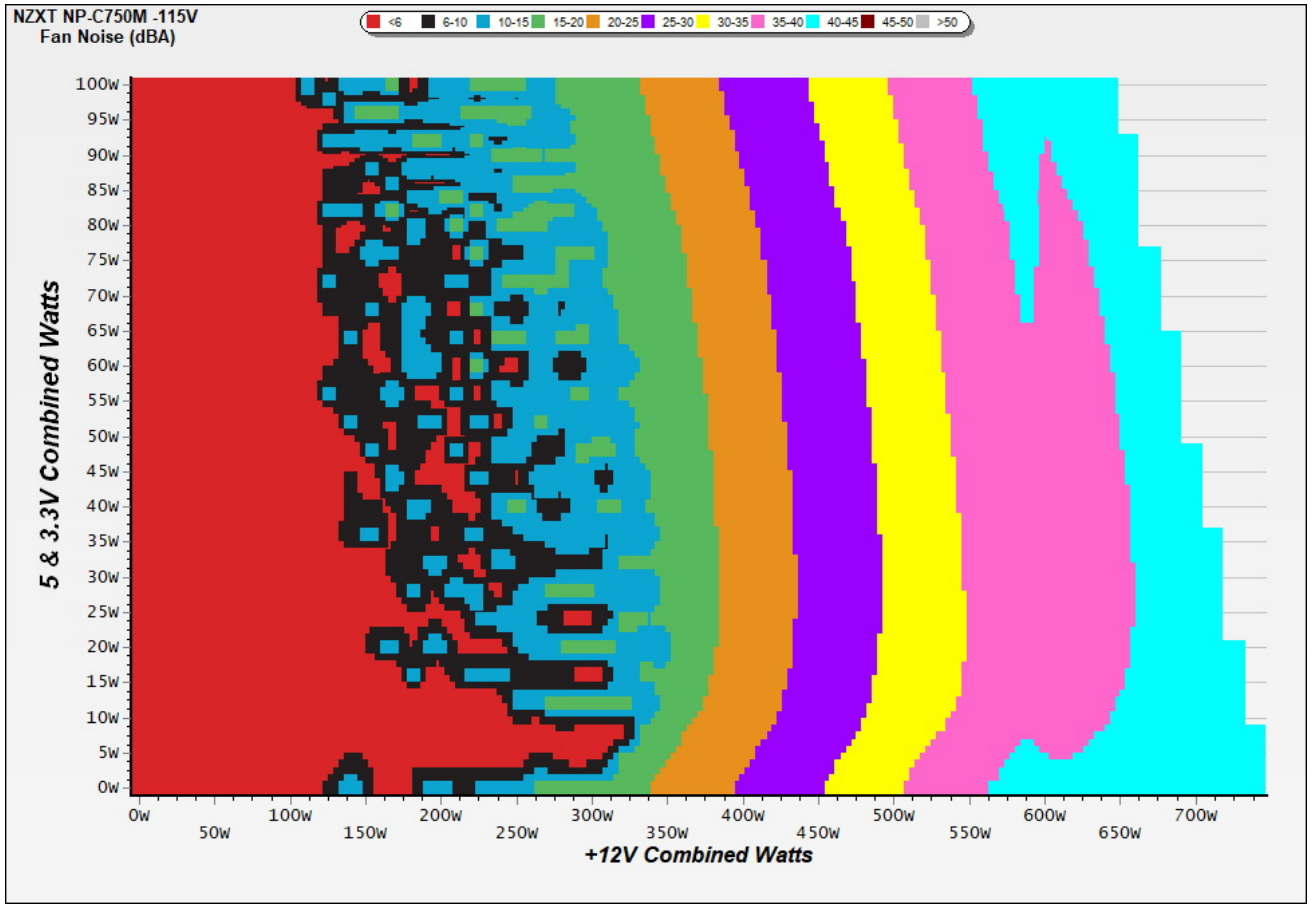
## 230V




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

## □□□□□

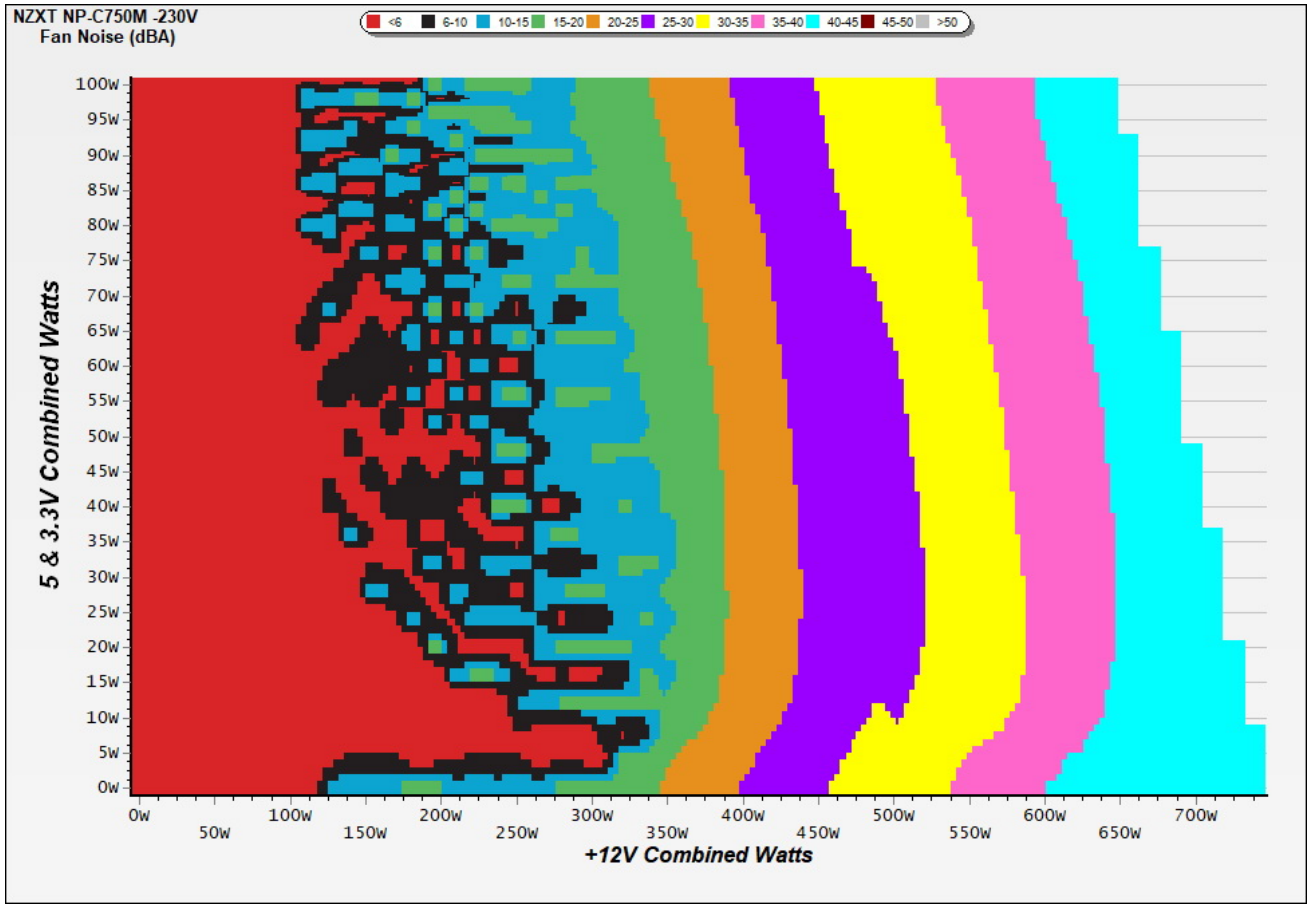
### 115V




□□

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




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<br>fan · noise · intake | High ambient<br>fan · noise · intake | Noise change |
|---|---|---|---|
| 10% | 0 RPM · <6.0 dB(A) · 43.3 °C | 0 RPM · <6.0 dB(A) · 43.3 °C | fan off in both |
| 20% | 577 RPM · 10.5 dB(A) · 41.0 °C | 577 RPM · 10.5 dB(A) · 41.0 °C | **+0.0 dB(A)** |
| 50% | 1087 RPM · 28.1 dB(A) · 42.0 °C | 1087 RPM · 28.1 dB(A) · 42.0 °C | **+0.0 dB(A)** |
| 100% | 2094 RPM · 44.7 dB(A) · 45.2 °C | 2094 RPM · 44.7 dB(A) · 45.2 °C | **+0.0 dB(A)** |

### 230V

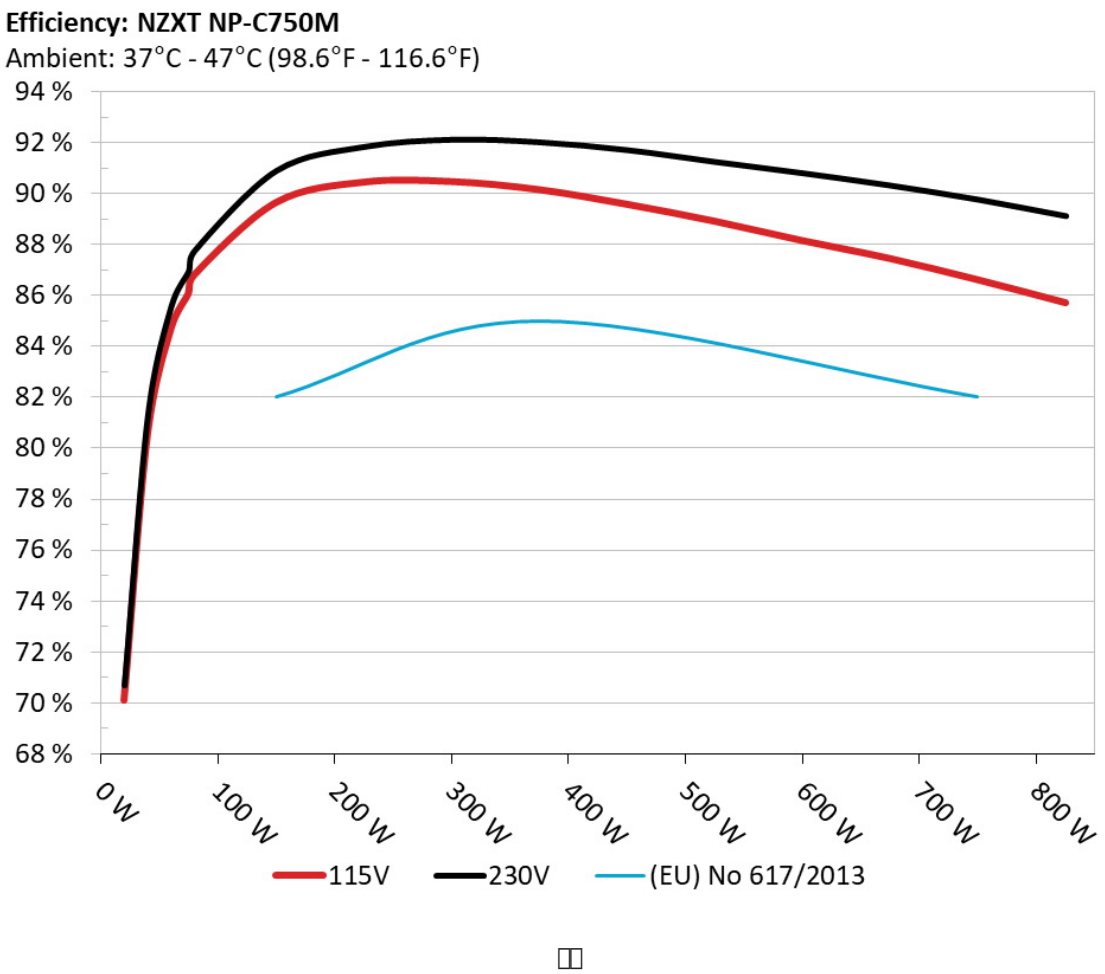
| Load | Normal ambient<br>fan · noise · intake | High ambient<br>fan · noise · intake | Noise change |
|---|---|---|---|
| 10% | 0 RPM · <6.0 dB(A) · 43.6 °C | 0 RPM · <6.0 dB(A) · 43.6 °C | fan off in both |
| 20% | 601 RPM · 11.2 dB(A) · 40.7 °C | 601 RPM · 11.2 dB(A) · 40.7 °C | **+0.0 dB(A)** |
| 50% | 1103 RPM · 28.6 dB(A) · 42.1 °C | 1103 RPM · 28.6 dB(A) · 42.1 °C | **+0.0 dB(A)** |
| 100% | 2098 RPM · 44.8 dB(A) · 45.0 °C | 2098 RPM · 44.8 dB(A) · 45.0 °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, with the fan stopped; with the fan stopped, the intake sensor can read higher than the chamber air.

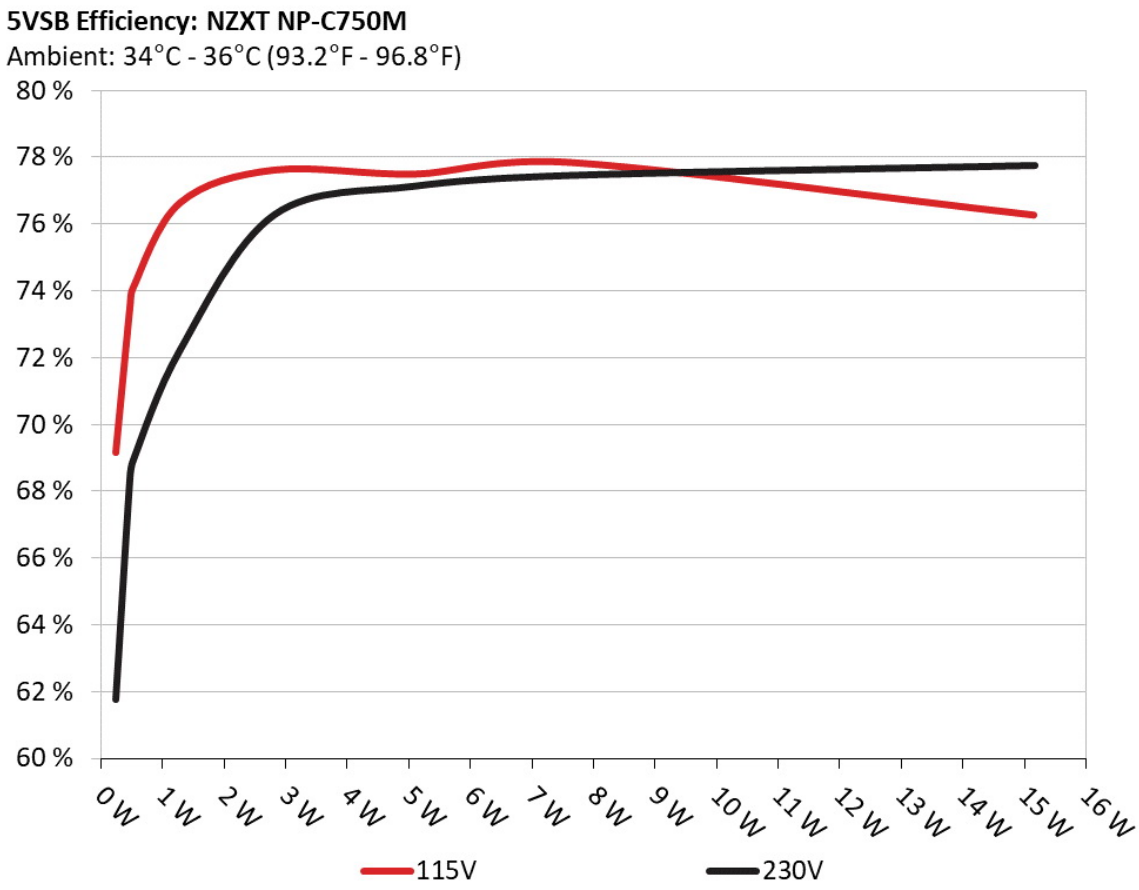
*Informational. Not part of the ETA or LAMBDA rating.*

## Indicative Performance




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□□□□




□□

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

## □□□□ □□ 5Vsb □□ (ErP Lot3/6 & CEC)

### 115V

| □□ # | 5VSB | DC/AC (□ ) | □□ | PF/AC □□ |
|---|---|---|---|---|
| 1 | 0.045A | 0.231 | 69.162% | 0.054 |
| | 5.123V | 0.334 | | 115.17V |
| 2 | 0.090A | 0.461 | 73.525% | 0.098 |
| | 5.122V | 0.627 | | 115.17V |
| 3 | 0.550A | 2.813 | 77.621% | 0.335 |
| | 5.112V | 3.624 | | 115.17V |
| 4 | 1.000A | 5.104 | 77.498% | 0.407 |
| | 5.103V | 6.586 | | 115.17V |
| 5 | 1.500A | 7.639 | 77.846% | 0.442 |
| | 5.091V | 9.813 | | 115.17V |
| 6 | 3.000A | 15.159 | 76.272% | 0.494 |
| | 5.053V | 19.875 | | 115.17V |

### 230V

| □□ # | 5VSB | DC/AC (□ ) | □□ | PF/AC □□ |
|---|---|---|---|---|
| 1 | 0.045A | 0.231 | 61.765% | 0.018 |
| | 5.123V | 0.374 | | 230.35V |
| 2 | 0.090A | 0.461 | 68.398% | 0.033 |
| | 5.122V | 0.674 | | 230.35V |
| 3 | 0.550A | 2.812 | 76.268% | 0.159 |
| | 5.112V | 3.687 | | 230.36V |
| 4 | 1.000A | 5.104 | 77.123% | 0.240 |
| | 5.102V | 6.618 | | 230.35V |
| 5 | 1.500A | 7.638 | 77.441% | 0.296 |
| | 5.091V | 9.863 | | 230.35V |
| 6 | 3.000A | 15.175 | 77.737% | 0.376 |
| | 5.058V | 19.521 | | 230.35V |

## Supplementary Tests (For Reference)

### 10-110%□□□□

#### 115V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.421A | 1.988A | 1.982A | 0.982A | 74.962 | 86.060% | 0 | <6.0 | 43.25°C | 0.963 |
| | 12.070V | 5.030V | 3.331V | 5.091V | 87.104 | | | | 39.63°C | 115.15V |
| 2 | 9.872A | 2.986A | 2.975A | 1.182A | 150.035 | 89.637% | 577 | 10.5 | 40.96°C | 0.979 |
| | 12.068V | 5.024V | 3.327V | 5.077V | 167.380 | | | | 45.12°C | 115.13V |
| 3 | 15.662A | 3.489A | 3.477A | 1.383A | 225.038 | 90.437% | 691 | 14.4 | 41.06°C | 0.985 |
| | 12.066V | 5.018V | 3.322V | 5.063V | 248.834 | | | | 45.89°C | 115.12V |
| 4 | 21.459A | 3.992A | 3.979A | 1.585A | 300.049 | 90.458% | 903 | 22.2 | 41.78°C | 0.986 |
| | 12.062V | 5.011V | 3.318V | 5.050V | 331.699 | | | | 47.22°C | 115.09V |
| 5 | 26.881A | 4.997A | 4.979A | 1.788A | 374.662 | 90.144% | 1087 | 28.1 | 42.03°C | 0.988 |
| | 12.059V | 5.004V | 3.313V | 5.036V | 415.624 | | | | 48.10°C | 115.11V |
| 6 | 32.333A | 6.004A | 5.986A | 1.992A | 449.612 | 89.570% | 1316 | 33.7 | 42.29°C | 0.988 |
| | 12.056V | 4.997V | 3.308V | 5.021V | 501.965 | | | | 49.25°C | 115.11V |
| 7 | 37.821A | 7.017A | 6.993A | 2.198A | 524.934 | 88.902% | 1654 | 39.3 | 43.06°C | 0.989 |
| | 12.052V | 4.989V | 3.304V | 5.006V | 590.462 | | | | 50.69°C | 115.10V |
| 8 | 43.310A | 8.003A | 8.000A | 2.405A | 600.105 | 88.138% | 1988 | 43.6 | 44.27°C | 0.990 |
| | 12.049V | 4.981V | 3.300V | 4.990V | 680.873 | | | | 52.28°C | 115.09V |
| 9 | 49.172A | 8.545A | 8.497A | 2.410A | 674.779 | 87.440% | 2081 | 44.6 | 44.37°C | 0.990 |
| | 12.045V | 4.973V | 3.296V | 4.980V | 771.705 | | | | 53.74°C | 115.08V |
| 10 | 54.836A | 9.066A | 9.032A | 3.027A | 750.005 | 86.604% | 2094 | 44.7 | 45.22°C | 0.991 |
| | 12.041V | 4.965V | 3.289V | 4.957V | 866.012 | | | | 55.17°C | 115.08V |
| 11 | 61.100A | 9.082A | 9.056A | 3.033A | 825.239 | 85.700% | 2104 | 44.9 | 46.51°C | 0.992 |
| | 12.038V | 4.956V | 3.280V | 4.947V | 962.936 | | | | 57.17°C | 115.07V |
| CL1 | 0.117A | 12.001A | 12.001A | 0.000A | 101.657 | 84.856% | 794 | 18.4 | 42.21°C | 0.972 |
| | 12.079V | 5.017V | 3.336V | 5.088V | 119.799 | | | | 47.85°C | 115.16V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 62.019A | 1.000A | 1.000A | 1.000A | 759.915 | 87.085% | 2096 | 44.8 | 45.47°C | 0.991 |
| | 12.039V | 4.971V | 3.280V | 5.018V | 872.613 | | | | 55.83°C | 115.08V |

The results above are not used in the certification process

## 230V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.431A | 1.989A | 1.983A | 0.983A | 74.970 | 86.948% | 0 | <6.0 | 43.57°C | 0.812 |
| | 12.042V | 5.030V | 3.330V | 5.090V | 86.224 | | | | 40.48°C | 230.41V |
| 2 | 9.888A | 2.988A | 2.978A | 1.182A | 150.059 | 90.883% | 601 | 11.2 | 40.65°C | 0.906 |
| | 12.050V | 5.022V | 3.325V | 5.076V | 165.112 | | | | 44.55°C | 230.41V |
| 3 | 15.666A | 3.491A | 3.479A | 1.383A | 225.072 | 91.820% | 668 | 13.6 | 41.06°C | 0.938 |
| | 12.065V | 5.016V | 3.320V | 5.062V | 245.122 | | | | 45.44°C | 230.41V |
| 4 | 21.464A | 3.995A | 3.985A | 1.585A | 300.094 | 92.102% | 867 | 21.4 | 41.37°C | 0.956 |
| | 12.061V | 5.008V | 3.314V | 5.049V | 325.828 | | | | 46.58°C | 230.40V |
| 5 | 26.894A | 5.001A | 4.989A | 1.788A | 374.799 | 92.002% | 1103 | 28.6 | 42.11°C | 0.965 |
| | 12.058V | 5.000V | 3.308V | 5.035V | 407.381 | | | | 47.84°C | 230.39V |
| 6 | 32.348A | 6.014A | 5.996A | 1.993A | 449.720 | 91.697% | 1242 | 32.0 | 42.62°C | 0.970 |
| | 12.053V | 4.992V | 3.303V | 5.019V | 490.440 | | | | 49.10°C | 230.40V |
| 7 | 37.837A | 7.026A | 7.006A | 2.199A | 525.020 | 91.232% | 1749 | 40.9 | 43.34°C | 0.974 |
| | 12.049V | 4.983V | 3.298V | 5.005V | 575.476 | | | | 50.64°C | 230.37V |
| 8 | 43.330A | 8.002A | 8.020A | 2.406A | 600.125 | 90.787% | 1912 | 42.7 | 43.40°C | 0.977 |
| | 12.045V | 4.975V | 3.292V | 4.989V | 661.025 | | | | 51.89°C | 230.37V |
| 9 | 49.221A | 8.559A | 8.523A | 2.411A | 674.843 | 90.307% | 2090 | 44.7 | 44.86°C | 0.979 |
| | 12.034V | 4.966V | 3.286V | 4.980V | 747.273 | | | | 54.04°C | 230.35V |
| 10 | 54.844A | 9.082A | 9.062A | 3.028A | 750.054 | 89.754% | 2098 | 44.8 | 45.03°C | 0.981 |
| | 12.040V | 4.957V | 3.278V | 4.956V | 835.682 | | | | 55.53°C | 230.35V |
| 11 | 61.104A | 9.095A | 9.085A | 3.033A | 825.294 | 89.105% | 2109 | 44.9 | 46.70°C | 0.983 |
| | 12.038V | 4.949V | 3.270V | 4.947V | 926.207 | | | | 58.43°C | 230.36V |
| CL1 | 0.118A | 12.002A | 12.001A | 0.000A | 101.517 | 85.836% | 832 | 20.1 | 42.58°C | 0.872 |
| | 12.075V | 5.013V | 3.327V | 5.088V | 118.268 | | | | 47.67°C | 230.37V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 62.025A | 1.000A | 1.000A | 1.000A | 759.732 | 90.251% | 2095 | 44.7 | 45.18°C | 0.981 |
| | 12.035V | 4.967V | 3.276V | 5.017V | 841.803 | | | | 55.80°C | 230.32V |

The results above are not used in the certification process

## 20-80□□□□□

### 115V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.230A | 0.496A | 0.495A | 0.196A | 19.992 | 70.086% | 0 | <6.0 | 0.850 |
| | 12.067V | 5.036V | 3.332V | 5.117V | 28.525 | | | | 115.16V |
| 2 | 2.459A | 0.994A | 0.991A | 0.392A | 39.982 | 80.502% | 0 | <6.0 | 0.929 |
| | 12.067V | 5.035V | 3.332V | 5.109V | 49.666 | | | | 115.16V |
| 3 | 3.693A | 1.490A | 1.485A | 0.588A | 60.012 | 84.673% | 0 | <6.0 | 0.953 |
| | 12.068V | 5.032V | 3.331V | 5.102V | 70.875 | | | | 115.15V |
| 4 | 4.919A | 1.987A | 1.982A | 0.785A | 79.961 | 86.795% | 0 | <6.0 | 0.964 |
| | 12.068V | 5.031V | 3.331V | 5.095V | 92.126 | | | | 115.15V |

The results above are not used in the certification process

### 230V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.231A | 0.495A | 0.496A | 0.196A | 19.997 | 70.696% | 0 | <6.0 | 0.532 |
| | 12.063V | 5.037V | 3.331V | 5.116V | 28.286 | | | | 230.39V |
| 2 | 2.461A | 0.994A | 0.991A | 0.392A | 39.988 | 81.268% | 0 | <6.0 | 0.676 |
| | 12.060V | 5.035V | 3.331V | 5.109V | 49.205 | | | | 230.40V |
| 3 | 3.694A | 1.490A | 1.487A | 0.588A | 60.018 | 85.560% | 0 | <6.0 | 0.766 |
| | 12.065V | 5.032V | 3.330V | 5.102V | 70.147 | | | | 230.39V |
| 4 | 4.925A | 1.989A | 1.983A | 0.785A | 79.966 | 87.744% | 0 | <6.0 | 0.821 |
| | 12.053V | 5.030V | 3.329V | 5.094V | 91.136 | | | | 230.40V |

The results above are not used in the certification process

## □□□□

### 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 9.80mV | 6.20mV | 5.40mV | 5.50mV | Pass |
| 20% Load | 13.40mV | 6.30mV | 5.70mV | 6.00mV | Pass |
| 30% Load | 15.80mV | 7.00mV | 6.20mV | 6.50mV | Pass |
| 40% Load | 17.90mV | 7.10mV | 6.90mV | 6.70mV | Pass |
| 50% Load | 13.80mV | 7.60mV | 6.90mV | 6.50mV | Pass |
| 60% Load | 12.20mV | 7.80mV | 7.10mV | 6.90mV | Pass |
| 70% Load | 12.20mV | 8.50mV | 7.60mV | 7.30mV | Pass |
| 80% Load | 12.70mV | 9.20mV | 13.60mV | 8.40mV | Pass |
| 90% Load | 14.60mV | 10.10mV | 14.60mV | 9.10mV | Pass |
| 100% Load | 22.70mV | 11.80mV | 15.40mV | 9.20mV | Pass |
| 110% Load | 26.50mV | 12.60mV | 15.50mV | 10.30mV | Pass |
| Crossload1 | 14.40mV | 12.20mV | 14.30mV | 7.30mV | Pass |
| Crossload2 | 21.70mV | 9.00mV | 8.20mV | 8.50mV | Pass |

The results above are not used in the certification process

### 230V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 9.40mV | 5.90mV | 5.30mV | 5.60mV | Pass |
| 20% Load | 13.50mV | 6.40mV | 5.70mV | 6.30mV | Pass |
| 30% Load | 16.00mV | 6.80mV | 6.10mV | 6.50mV | Pass |
| 40% Load | 18.10mV | 7.50mV | 6.50mV | 6.10mV | Pass |
| 50% Load | 14.50mV | 7.70mV | 6.70mV | 6.10mV | Pass |
| 60% Load | 12.30mV | 8.10mV | 6.90mV | 6.50mV | Pass |
| 70% Load | 12.80mV | 8.00mV | 7.20mV | 6.40mV | Pass |
| 80% Load | 13.50mV | 9.10mV | 13.80mV | 7.40mV | Pass |

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 90% Load | 15.90mV | 9.70mV | 14.10mV | 8.10mV | Pass |
| 100% Load | 23.80mV | 12.20mV | 15.40mV | 8.90mV | Pass |
| 110% Load | 27.60mV | 12.10mV | 16.00mV | 8.80mV | Pass |
| Crossload1 | 14.20mV | 12.00mV | 14.50mV | 6.80mV | Pass |
| Crossload2 | 24.80mV | 8.60mV | 8.00mV | 8.00mV | Pass |

The results above are not used in the certification process

**NZXT NP-C750M**



Top side




Power specifications label

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