RAW S1 CPU COOLER TEST

The system presented on the right with stock settings, was stressed using Blender Cycles Render (CPU). Sensors were logged using HWiNFO64 during the first 16 minutes of the rendering with all 16 cores being loaded 100%.

Noise levels were measured using UNI-T sound-level meter placed 30 cm from the (CPU) side of the case.

Thermal paste used: Noctua NT-H2

6 different CPU cooler setups have been tested. Each CPU cooler setup has been tested with two different scenarios where CPU fan, case fan and occasional 2nd CPU fan followed the fan curve principles shown on the right (different for every cooler).

- Noctua NH-L12S
- Cooler Master G100M
- Cryorig C1 + Noctua NF-A12x15
- Noctua NH-L12 GE + Noctua NF-A12x15
- Noctua NH-L12 GE + Scythe Slip Stream 120 Slim
- Alpenföhn Black Ridge + Noctua NF-A12x25

The two scenarios

Scenario “No noise”

Scenario “Full flow”

Power level of each fan where no noise was recorder

CPU Die average temperature in scenario “no noise”

CPU Die average temperature in scenario “Full flow”

Area possible to configure balancing noise and performance

How to read the presented data (on next page)
Presented results in this report are the average values of two runs for each curve.