Make It Yours.

Cooler Master HAF II 500

Lab ID CMCAS00170

Report Date: Jun 27, 2026

Scheme: DELTA

Lautstärkeklasse A

DELTA is a Cybenetics rating. It is not part of our ISO/IEC 17065 certification schemes and is outside our accreditation.

Level assigned with the Chassis Test Protocol Revision 2.0 limits

This chassis was tested before October 2026 with the earlier test procedure. Its result, 5.9 dB, is the measured pink-noise difference of that evaluation and is unchanged. In October 2026 its level was assigned again with the limits of Chassis Test Protocol Revision 2.0: A+ from 8 dB, A from 5 dB, Standard from 2 dB. The earlier procedure is not identical to the Revision 2.0 procedure, so this result is indicative when compared with chassis tested under Revision 2.0.



Aristeidis Bitziopoulos, Certification Body General Manager

General Information

Test Equipment

Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity

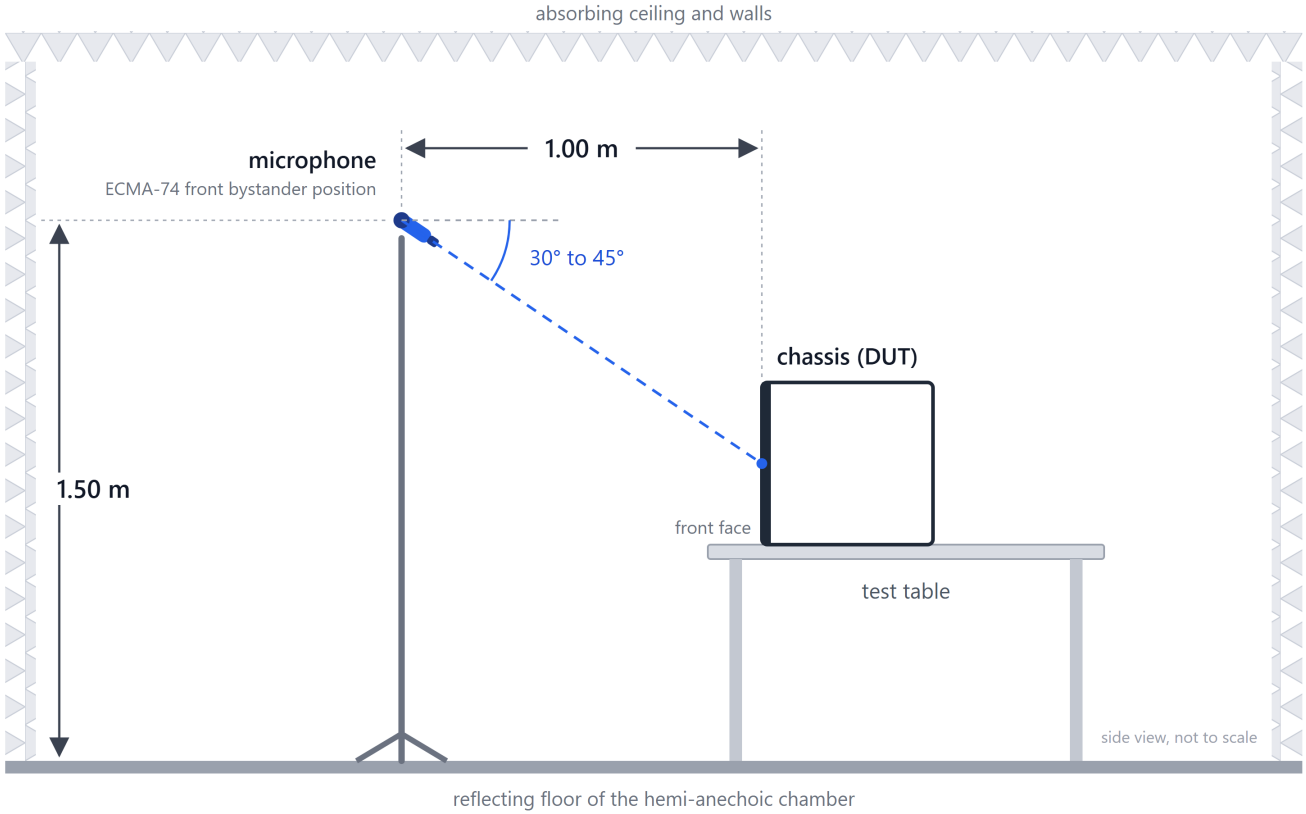
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

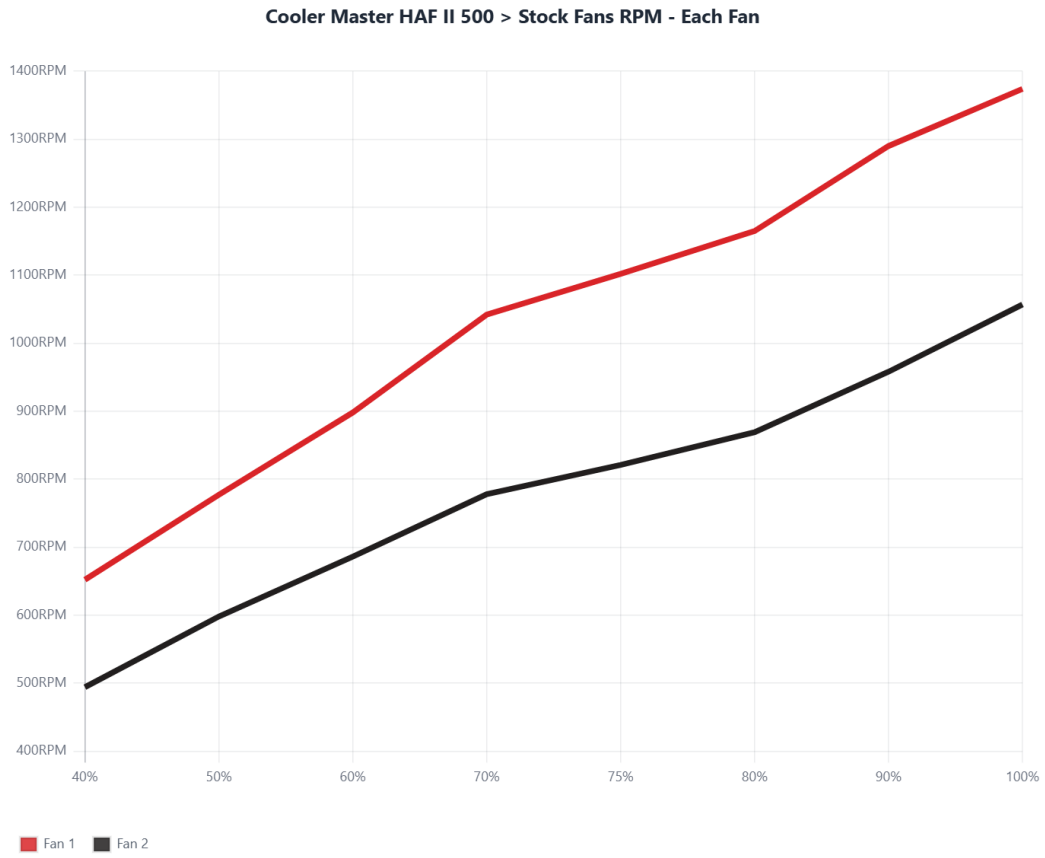
Brand	Cooler Master
Product Name	HAF II 500
Type	Midi Tower
Dimensions (LxWxH)	557 x 262 x 548 mm
Motherboard Support	Mini-ITX, Mini-DTX, Micro-ATX, ATX, CEB, E-ATX (up to 310 mm)
Removable Motherboard Tray	No
Front Cover	Yes (magnetic)
Materials Body	Steel
Materials Side Panel	**Left:** Tempered Glass **Right:** Steel
Expansion Slots	8x
Drive Bays	**5.25":** - **3.5 " :** up to 3x Internal **2.5" :** up to 6x Internal
I/O Panel	1 x USB 3.2 Gen 2x2 Type-C, 2 x USB 3.2 Gen 1 Type-A, 1x Combo Audio Jack, 1x Power Button, 1x Reset Button
Pre-installed Fan(s)	**Front:** 2 x Mighty40 F220 (220mm) **Rear:** 1x Mighty40 V180 (180mm)
Fan Support	**Front:** 3x 120mm / 3x 140mm / 2x 160mm / 2x 180mm / 2x 220mm **Top:** 3x 120mm / 3x 140mm / 2x 160mm / 2x 180mm **Rear:** 1x 180mm
Fan Bearing Type	Dual Ball Bearing
Fan Power Connector	PWM
Fan/ARGB Controller	Yes
Radiator Support	**Front:** 120mm / 140mm / 240mm / 280mm / 360mm / 360x180 mm (Conditional Support) **Top:** 120mm / 140mm / 240mm / 280mm / 360mm / 360x180 mm (Conditional Support) **Rear:** 180mm
CPU Cooler Height (Max)	221 mm (Intel), 220 mm (AMD)
VGA Length (Max)	430 mm (With Mighty40 F220 Fans Installed)

PSU Length (Max)	150 mm (North-South Drive Orientation), 210 mm (East-West Drive Orientation)
Behind MB Tray Clearance/Cable Management Support	15-40mm
Dust Filters	Top, Front, Bottom
PSU Support	Bottom Mount, ATX
Weight	14.2 kg
Warranty	2 Years (Case), 5 Years (Fans)

Noise Measurements Test Set Up



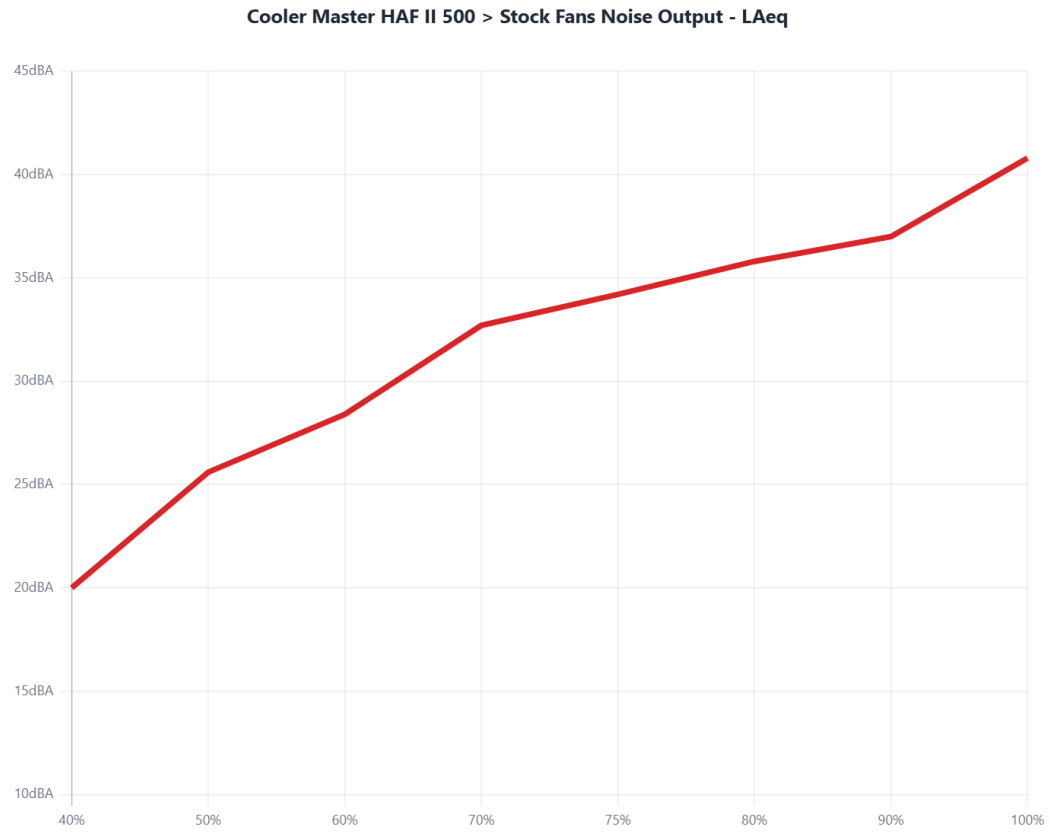
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output – LAeq

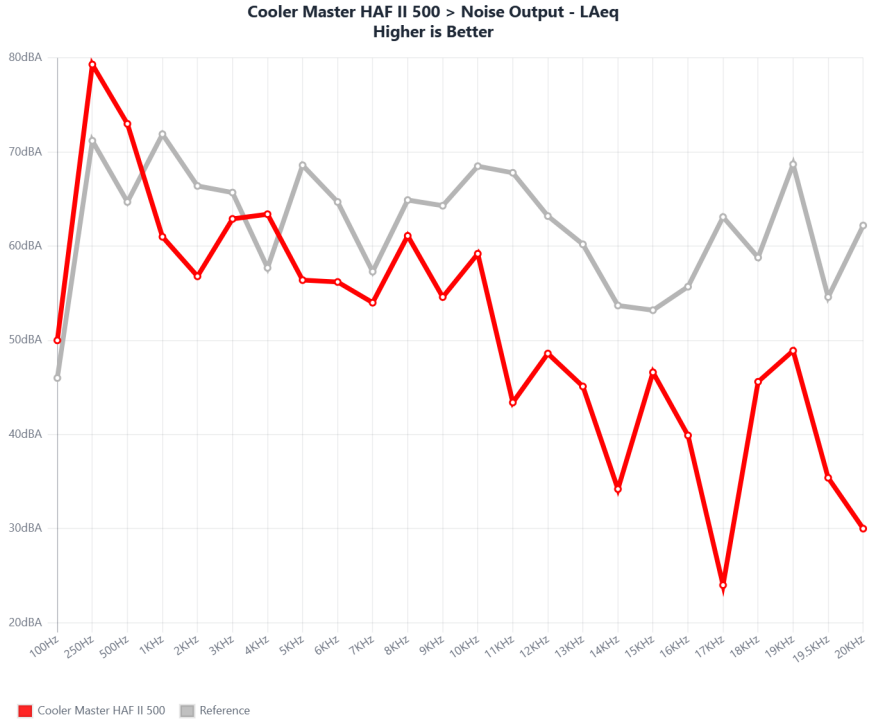


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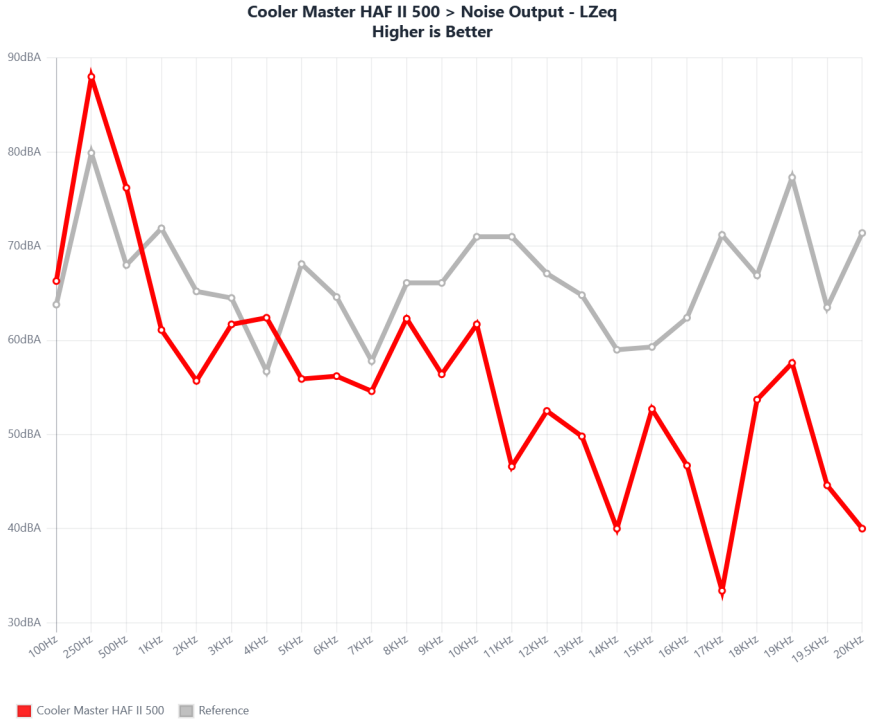
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

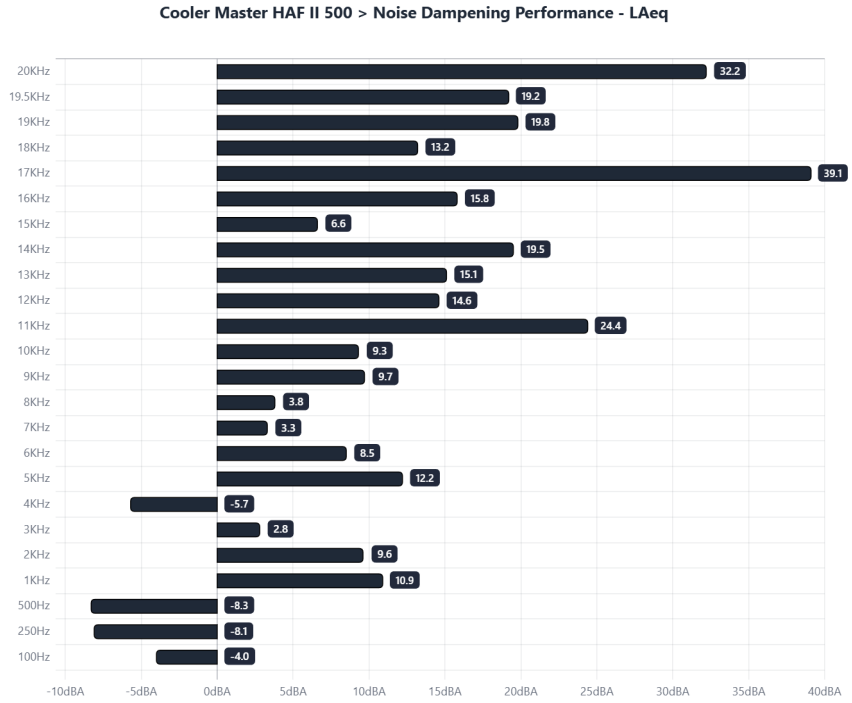


LZeq

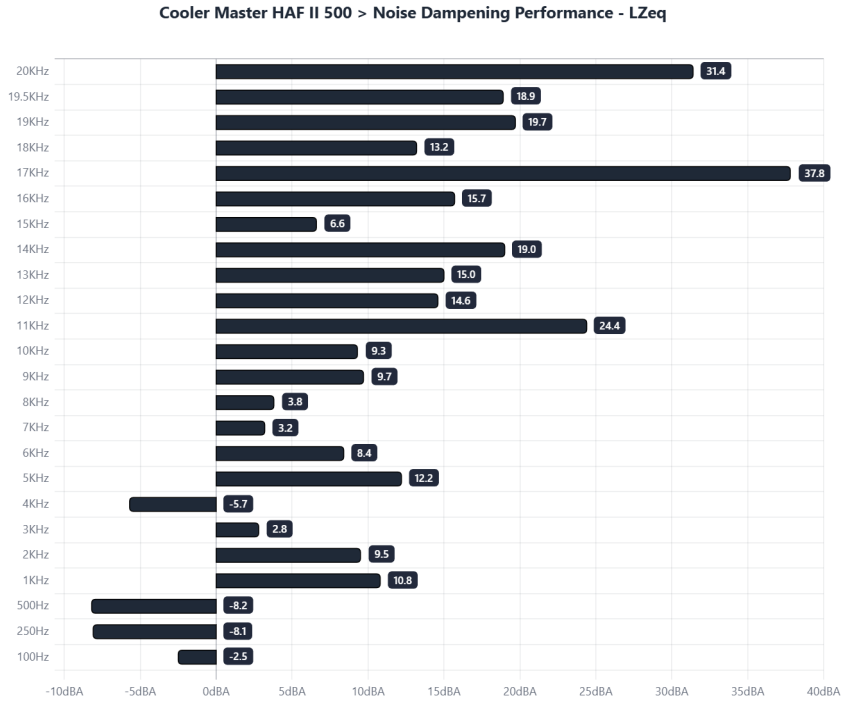


Noise Dampening Performance – Test Tones

LAeq

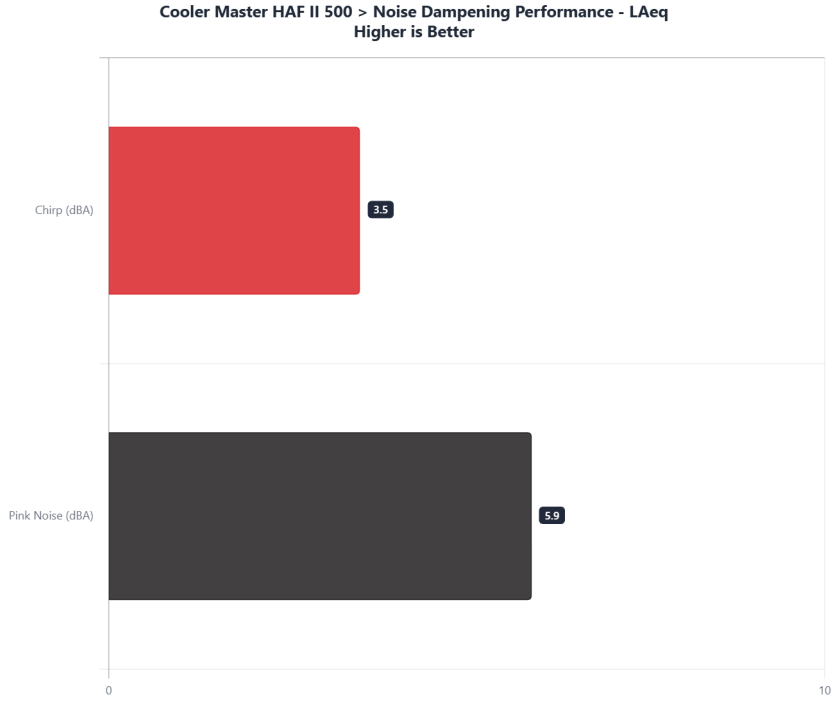


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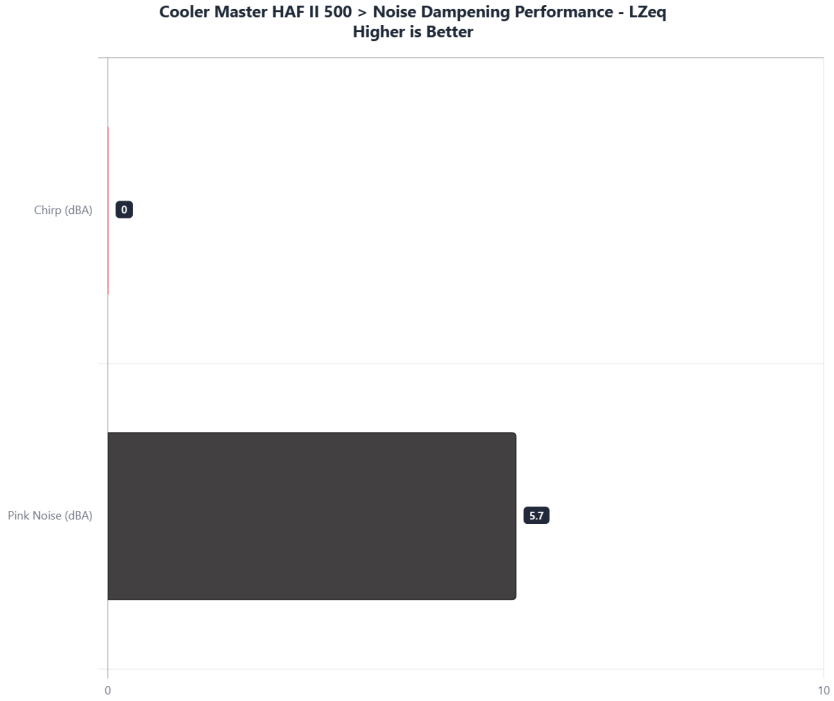


Noise Dampening Performance – Pink & Chirp

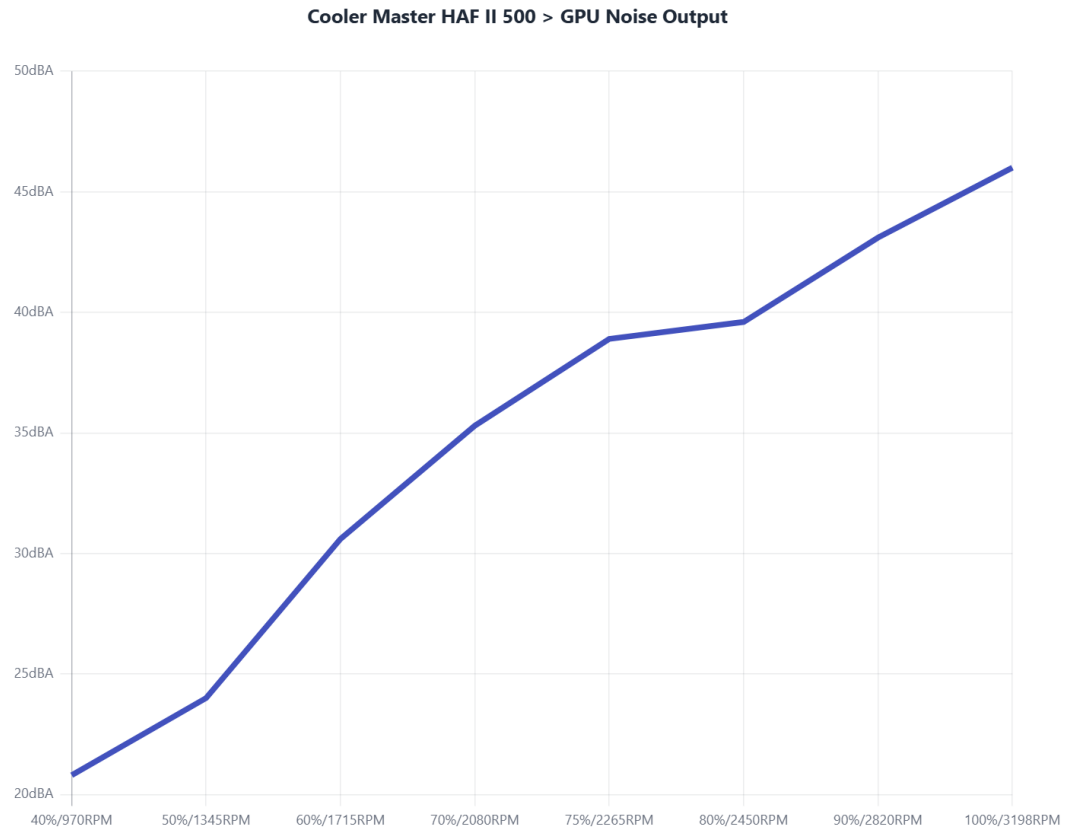
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

Galax GeForce RTX 4060 EX Noise Output from 40% to 100% Fan Speed

Cooler Master HAF II 500



Case Photo



Case Photo #2

Cybenetics bietet freiwillige Zertifizierungsprogramme für Netzteile – ETA für Effizienz, LAMBDA für Lautstärke und SAFE für Sicherheit und korrekten Betrieb – sowie für Kühlprodukte mit DELTA für die Schalldämmung von Gehäusen und PHI für Luftstrom und statischen Druck von Lüftern

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