Noctua NH-D15 chromax.black

Artikel	113484
Herstellernummer	NH-D15 CHROMAX.BLACK
EAN	9010018000184
Noctua	

The NH-D15 chromax.black is an all-black version of Noctua's award-winning flagship model NH-D15 premium-quality quiet CPU cooler. Thanks to the same proven dual-tower heatsink design and NF-A15 PWM fans, it stays true to the NH-D15's successful formula of rivalling the performance of all-in-one water coolers while maintaining superb quietness of operation. At the same time, the chromax.black version with its black fans and black coated heatsink combines these assets with a sleek stealth look. Topped off with the renowned SecuFirm2™ multi-socket mounting system, Noctua's enthusiast-grade NT-H1 thermal compound and a full 6-year manufacturer's warranty, the NH-D15 chromax.black is a deluxe choice for both overclockers and silent enthusiasts who seek an elite-class heatsink that looks just as great as it cools.

Award-winning NH-D15 cooler
Tens of thousands of enthusiast users all over the world swear by the NH-D15's quality and performance. Recommended by more than 200 international hardware websites and magazines, it is renowned for being one of the best high-end coolers on the market.

chromax.black design
The NH-D15 chromax.black is black from head to toe: Featuring a black coated heatsink, black fans with black anti-vibration-pads, black fan clips and black mounting parts, it's right at home in all-black builds and easy to integrate with other colour schemes.

Colour-customisable
Using the optional NA-HC3 and NA-HC4 heatsink covers as well as the NA-SAVP3 anti-vibration pads (available in black, blue, green, red, yellow, white), the NH-D15 chromax.black can be fully customised to fit popular build colour schemes such as black and red or black and white.

6 heatpipe dual tower design
As compared to conventional single tower heatinks, the NH-D15's fine-tuned six heatpipe dual tower design provides more surface area, better heat-distribution and superior airflow efficiency in dual fan mode.

Widened fin stack and expanded heatpipe layout
Compared to the NH-D14, the NH-D15's fin-stack has been widened from 140 to 150mm and its heatpipes are now spaced further apart, which allows for a more uniform heat distribution over a larger surface area and thus contributes to the NH-D15's superior efficiency.

High RAM compatibility in single fan mode
Thanks to its recessed lower fins, the NH-D15 provides 64mm clearance for tall memory heatsinks in single fan mode, making it compatible with most high end RAM modules on the market. In dual fan mode, the NH-D15 should be used with standard height RAM (up to 32mm).

Dual NF-A15 140mm fans
The NH-D15 features two of Noctua's premium class NF-A15 140mm fans. Complying with Noctua's AAO standard and featuring sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A15 has quickly built up a reputation as one of the best 140mm fans on the market.

PWM support and Low-Noise Adaptors
The NF-A15 premium fans supplied with the NH-D15 support PWM for convenient automatic speed control through the motherboard. In addition, the maximum fan speed can be reduced from 1500 to 1200rpm using the supplied Low-Noise Adaptors for even quieter operation.

Excellent component cooling
Extending below the fin-stacks, the large NF-A15 fans not only contribute to the NH-D15's superb CPU cooling capabilities but also provide massive airflow over surrounding motherboard components and heatsinks, thus ensuring excellent component cooling performance.

SecuFirm2™ multi-socket mounting system
Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and easy installation. Supporting Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) and LGA20xx (LGA2066, LGA2011-0, LGA2011-3), as well as AMD AM4, AM3(+), AM2(+), FM2(+) and FM1, the SecuFirm2™ mounting included with the NH-U12S is straightforward to install, provides perfect contact pressure and will stand the test of time even under heavy use.

Compatibility with past and future sockets
Thanks to Noctua's SecuFirm™ ecosystem, the NH-D15 can be made compatible with the older LGA1366 and LGA775 sockets using the optional NM-I3 mounting kit, which is provided free of charge. If technically possible, Noctua will also provide upgrade kits for future sockets, which makes the NH-D15 a safe long-term investment.

NT-H1 thermal compound
Noctua's much-acclaimed NT-H1 is a pro-grade TIM solution that provides minimum thermal resistance, excellent ease of use and outstanding reliability. Chosen again and again by overclockers and enthusiast users worldwide, it has established itself as a benchmark for premium-quality thermal compounds.

Soldered interface between heatpipes and fins
With many heatsinks, the fins are press-fitted to the heatpipes. Due to the different thermal expansion coefficients of copper and aluminium, this fit can loosen over years of thermal cycling, which may lead to reduced performance. By contrast, the NH-D15's fins are soldered to the heatpipes in order to guarantee a superior thermal interface that doesn't deteriorate even after many years of usage.

Zusammenfassung

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Noctua NH-D15 chromax.black, Cooler, 15 cm, 300 RPM, 1500 RPM, 24.6 dB, 140.2 m³/h

Noctua NH-D15 chromax.black. Type: Cooler, Fan diameter: 15 cm, Rotational speed (min): 300 RPM, Rotational speed (max): 1500 RPM, Noise level (high speed): 24.6 dB, Airflow: 140.2 m³/h, Maximum air pressure: 2.08 mmH2O, Bearing type: Self-Stabilising Oil-pressure Bearing (SSO). Width: 150 mm, Depth: 161 mm, Height: 165 mm. Product colour: Black

Merkmale

Other features

Heatsink dimensions (W x D x H)	150 x 135 x 160 mm
Mean time to failure (MTTF)	150000 h

Logistics data

Harmonized System (HS) code	84733080
Master (outer) case width	415 mm
Master (outer) case length	509 mm
Master (outer) case height	573 mm
Master (outer) case gross weight	20.4 kg

Packaging content

Weight & dimensions

Package type	Box	Width	150 mm
Cables included	Fan	Depth	161 mm
		Height	165 mm
		Weight	1.32 kg
		Heatsink weight	980 g
Power		Package width	190 mm
		Package depth	268 mm
Power supply	1.56 W	Package height	235 mm
Rated voltage	12 V	Package weight	2.22 kg

Design

Product colour	Black
Base plate material	Copper
Number of fans	2 fan(s)
Fins material	Aluminium
Fan connector	4-pin

Performance

Suitable location	Processor
Type	Cooler
Fan diameter	15 cm
Supported processor sockets	LGA 1150 (Socket H3), LGA 1151 (Socket H4), LGA 1155 (Socket H2), LGA 1156 (Socket H), LGA 2011 (Socket R), LGA 2011-v3 (Socket R), LGA 2066, Socket AM2, Socket AM2+, Socket AM3, Socket AM3+, Socket AM4, Socket FM1, Socket FM2, Socket FM2+
Compatible processor series	AMD A, Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®
Rotational speed (min)	300 RPM
Rotational speed (max)	1500 RPM
Rotational speed with LNA (max)	1200 RPM
Noise level (high speed)	24.6 dB
Noise level with LNA (max)	19.2 dB
Airflow	140.2 m³/h
Airflow with LNA (max)	115.5 m³/h
Maximum air pressure	2.08 mmH2O
Maximum air pressure with LNA	1.51 mmH2O
Pulse-width modulation (PWM) support	Y
Bearing type	Self-Stabilising Oil-pressure Bearing (SSO)