



NOCTUA NH-D12L chromax.black

D-Type Premium Cooler

The NH-D12L chromax.black is an all-black version of Noctua's award-winning NH-D12L low-height 120mm class CPU cooler that has been conceived to combine outstanding quiet cooling performance with superior case compatibility. At a height of only 145mm (13mm lower than Noctua's regular 120mm models), it fits many 4U enclosures as well as narrower tower cases that have been previously limited to solutions with 92mm fans. At the same time, its five heatpipe dual-tower design and state-of-the-art NF-A12x25r 120mm fan allow it to achieve a level of efficiency that surpasses many full-height 120mm models. Thanks to its single-fan configuration and asymmetrical fin stacks, the NH-D12L provides 100% RAM compatibility on AMD AM5/AM4 and Intel LGA1851/1700/1200 by staying clear of the memory slots. Topped off with the renowned SecuFirm2™ mounting system, Noctua's award-winning NT-H1 thermal compound and a 6-year manufacturer's warranty, the NH-D12L is the perfect choice for applications that require serious cooling performance but cannot fit the larger NH-U12A.

Award-winning NH-D12L cooler

The NH-D12L has proven in countless tests that it can keep up with larger 120mm coolers despite its reduced height. Its winning combination of excellent performance and extended case compatibility has earned the NH-D12L awards and recommendations from more than 50 hardware websites and magazines across the world.

chromax.black design

The NH-D12L chromax.black is black from head to toe: featuring a black coated heatsink, a black fan 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.

More performance at lower height

Despite its reduced height, the NH-D12L easily outperforms 92mm coolers. It can even surpass renowned 120mm units such as the NH-U12S and often comes close to Noctua's award-winning 120mm flagship model NH-U12A.

6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. True to this legacy, the NH-D12L heatsink is built to last, and like all Noctua fans, the supplied NF-A12x25r features an MTTF rating of more than 150,000 hours. The entire package comes with a full 6-year manufacturer's warranty.

NH-D12L HEATSINK SPECIFICATIONS

Socket compatibility	Intel LGA1851, LGA1700, LGA1200, LGA1156, LGA1155, LGA1151, LGA1150 and AMD AM5, AM4
Dimensions	145x125x113 mm
Dimensions with NF-A12x25r PWM	145x125x113 mm
Weight	700 g
Weight with NF-A12x25r PWM	890 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	NF-A12x25r (square-frame 120mm fans not supported)

NF-A12x25r PWM FAN SPECIFICATIONS

Size	120x120x25 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade geometry	A-Series with Flow Acceleration Channels	
Frame technology	AAO (Advanced Acoustic Optimisation)	
Max. input power	1.68 W	
Voltage	12 V	
MTTF	> 150,000 h	
NF-A12x25r PWM	without adaptor	with L.N.A.
Max. rotational speed (+/-10%)	2000 RPM	1700 RPM
Max. airflow	102.1 m³/h	84.5 m³/h
Max. acoustical noise	22.6 dB(A)	18.8 dB(A)
Max. static pressure	2.34 mmH ₂ O	1.65 mmH ₂ O

LOGISTIC DATA

Product name	Noctua NH-D12L chromax.black
EAN	9010018000474
UPC	841501100475
Packaging dimensions (HxWxD)	237x185x175 mm
Weight incl. packaging	1512 g
Warranty	6 years
Packaging unit	8 pcs
Packaging dimensions / unit (HxWxD)	511x391x373 mm
Weight incl. packaging / unit	13.00 kg

SCOPE OF DELIVERY

- Black NH-D12L heatsink
- NF-A12x25r PWM chromax.black premium fan
- NA-RC14 Low-Noise Adaptor (L.N.A.)
- NT-H1 high-grade thermal compound
- Black SecuFirm2™ mounting-kit
- Noctua metal case-badge

