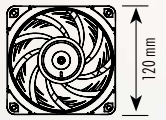


NF-A12x25 ULN

Noctua NF-A12x25 ULN Premium Fan



The NF-A12x25 ULN is a highly optimised next-generation 120mm fan that integrates Noctua's latest innovations in aerodynamic engineering in order to achieve an unprecedented level of quiet cooling performance. It takes state-of-the-art technologies such as the AAO (Advanced Acoustic Optimisation) frame or Flow Acceleration Channels and combines them with a record tight tip clearance of only 0.5mm, which is made possible by using the novel Sterrox® liquid-crystal polymer (LCP) compound as well as a metal-reinforced motor hub and axis for ultimate precision. Following the approach of Noctua's A-series, the NF-A12x25 ULN is a true all-rounder that yields superb results in all types of usage, regardless of whether it's in low-impedance, airflow-oriented applications such as case cooling, or high-impedance, pressure-demanding scenarios such as on heatsinks and watercooling radiators. The 3-pin ULN version provides super-slow 1200/900rpm speed settings for ultra-low-noise applications and highly noise-sensitive users who demand near-silent acoustics. Topped off with exceptional running smoothness, Noctua's reference-class SSO2 bearing, a rich bundle of accessories and 6-year manufacturer's warranty, the NF-A12x25 ULN is a premium-quality product through and through. Its superior efficiency, cutting-edge construction and pioneering materials make it an elite choice for the most discerning demands.

Next-generation performance

Noctua's 120mm fans such as the NF-F12 and NF-S12A are renowned as being among the best on the market and have received more than 400 awards and recommendations from the international press. With its further improved efficiency and novel, state-of-the-art engineering, the NF-A12x25 ULN represents another step up in performance and manufacturing.

Highly optimised P/Q curve for all applications

The NF-A12x25 ULN's sophisticated aerodynamic design allows for a pressure to airflow (P/Q) curve that is extremely strong in the critical mid-section. This means that the NF-A12x25 ULN is a true jack-of-all-trades with excellent performance in both static pressure demanding and airflow demanding applications.

Excellent on-application acoustics

While many fans produce unpleasant, high-pitched noises when installed in typical applications such as on heatsinks or radiators, the NF-A12x25 ULN has been carefully fine-tuned for optimal on-application acoustics. It produces a smooth, pleasant frequency profile and surprisingly low sound pressure levels (SPL) when working against back pressure.

Ultra-tight tip clearance

The NF-A12x25 ULN has a record tight tip clearance (distance between the blade tips and the inside of the frame) of only 0.5mm. This highly ambitious design sets a new benchmark for 120mm fans and helps the NF-A12x25 ULN to work more efficiently against back pressure, such as on heatsinks or radiators, by reducing leak flows through the gap between impeller and frame.

Sterrox® liquid-crystal polymer compound

The NF-A12x25 ULN's impeller is made from Noctua's novel Sterrox® liquid-crystal polymer (LCP) compound that features extreme tensile strength, an exceptionally low thermal expansion coefficient and dampening characteristics that are ideal for reducing resonance and vibration phenomena in advanced fan-blade designs.

2 speed settings for maximum quietness

Providing 1200 and 900rpm speed settings via the supplied adaptor, the ULN (Ultra-Low-Noise) version is tailor-made for serious silent enthusiasts who demand super-slow running speeds and the utmost quietness of operation.

Anti-vibration gasket for watercooling radiators

The NF-A12x25 ULN includes a silicone gasket that can be used when installing the fan on watercooling radiators or other applications that benefit from a tighter seal with the fan. The gasket helps to dampen minute vibrations and to reduce air loss between the fan and the radiator for optimal cooling performance.

6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A12x25 ULN features an MTTF of more than 150.000 hours rating and comes with a full 6-year manufacturer's warranty.

LOGISTICAL DATAS

Product Labeling

Noctua NF-A12x25 ULN

EAN-No.

9010018100372

UPC-No.

841501110375

Dimensions (HxWxD)

210 x 150 x 34 mm

Weight

355 gr

Warranty

6 Years

MSPR

29.90 USD

Packaging Unit

36 Pcs.

Dimensions / Unit (HxWxD)

375 x 380 x 380 mm

Weight / Unit

14.4 kg

SCOPE OF DELIVERY

NF-A12x25 ULN Premium Fan

Ultra-Low-Noise-Adaptor (U.L.N.A.)

3.4-pin adaptor

30cm extension cable

NA-AV2 anti-vibration mounts

Fan screws

Anti-vibration gasket for watercooling radiators

SPECIFICATIONS

Size	120 x 120 x 25 mm	
Bearing	SSO2	
Connector	3-pin	
Blade geometry	A-Series with Flow Acceleration Channels	
Max. input power / operating voltage	0.6W / 12V	
MTTF	> 150.000 h	

NF-A12x25 ULN	w/o adaptor	with U.L.N.A.
Max. rotational speed (+/-10%)	1200 RPM	900 RPM
Max. airflow	55.7 m³/h	39.4 m³/h
Max. acoustical noise	12.1 dB(A)	7.6 dB(A)
Max. static pressure	0.82 mm H ₂ O	0.41 mm H ₂ O

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 6000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are serving hundreds of thousands of satisfied customers around the globe.