



# Noctua NF-A12X15-FLX 12V 1850RPM Slimline120mm Fan

\$20.95

## Product Images



## Short Description

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## Features

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### 15mm slim design

Having a thickness of only 15mm, the NF-A12x15 is much slimmer than standard 120x25mm fans. This makes it ideal for typical slim fan applications such as low-profile CPU coolers as well as for freeing up space by replacing standard 120x25mm fans on tower coolers, radiators or in PC cases.

### Metal-reinforced motor hub

With many larger-diameter slim fan designs, the shorter axis and bearing lead to a reduced running stability and lifespan. The NF-A12x15 uses a metal-reinforced motor hub, a measure typically found in high-speed industrial fans, in order to guarantee Noctua's signature stability and longevity.

### Flow Acceleration Channels

The NF-A12x15 impeller features suction side Flow Acceleration Channels. By speeding up the airflow at the crucial outer blade regions, this measure reduces suction side flow separation and thus leads to better efficiency and lower vortex noise.

### AAO frame

Noctua's AAO (Advanced Acoustic Optimisation) frames feature integrated anti-vibration pads as well as Noctua's proprietary Stepped Inlet Design and Inner Surface Microstructures, both of which further refine the fan's performance/noise efficiency.

## Stepped Inlet Design

Noctua's Stepped Inlet Design adds turbulence to the influx in order to facilitate the transition from laminar flow to turbulent flow, which reduces tonal intake noise, improves flow attachment and increases suction capacity, especially in space-restricted environments.

## Inner Surface Microstructures

With the tips of the fan blades ploughing through the boundary layer created by the Inner Surface Microstructures, flow separation from the suction side of the blades is significantly suppressed, which results in reduced blade passing noise and improved airflow and pressure efficiency.

## Integrated Anti-Vibration Pads

Integrated Anti-Vibration Pads made from extra-soft silicone minimise the transmission of minute vibrations while maintaining full compatibility with all standard mounting systems and fan clips used on heatsinks.

## Smooth Commutation Drive 2

The latest version of Noctua's advanced Smooth Commutation Drive system ensures superb running smoothness by eliminating torque variations and switching noises. This makes the fan remarkably quiet even at very close distances.

## 3 speed settings for full flexibility

Providing 1850, 1400 and 950 rpm speed settings via the supplied Low-Noise and Ultra-Low-Noise Adapters, the NF-A12x15 FLX (Flexibility) can be fine-tuned for superior airflow or maximum quietness.

## Extensive cabling options

The fan's short 20cm primary cable minimises cable clutter in typical applications while the supplied 30cm extension provides extended reach when necessary. Both cables are fully sleeved and the supplied 3:4 pin adaptor allows the connection of the fan directly to the power supply.

## SSO2 bearing

The NF-A12x15 features the further optimised second generation of Noctua's renowned, time-tested SSO bearing. With SSO2, the rear magnet is placed closer to the axis to provide even better stabilisation, precision and durability.

## 6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A12x15 features an MTTF of more than 150.000 hours rating and comes with a full 6-year manufacturer's warranty.

# Specifications

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FAN Specification

- Size  
120x120x15 mm
- Mounting hole spacing  
105x105 mm
- Connector & pin-configuration  
3-pin
- Cable length  
20cm + 30cm NA-EC1 extension cable
- Bearing  
SSO2
- Blade geometry  
A-Series with Flow Acceleration Channels
- Frame technology  
AAO (Advanced Acoustic Optimisation)
- Rotational speed (+/- 10%)  
1850 RPM
- Rotational speed with L.N.A. (+/- 10%)  
1400 RPM
- Rotational Speed with U.L.N.A. (+/- 10%)  
950 RPM
- Airflow  
94,2 m³/h
- Airflow with L.N.A.  
70,8 m³/h
- Airflow with U.L.N.A.  
46,5 m³/h
- Acoustical noise  
23,9 dB(A)
- Acoustical noise with L.N.A.  
16,8 dB(A)
- Acoustical noise with U.L.N.A.  
10,2 dB(A)

Static pressure  
1,53 mm H<sub>2</sub>O

Static pressure with L.N.A.  
0,9 mm H<sub>2</sub>O

Static pressure with U.L.N.A.  
0,45 mm H<sub>2</sub>O

Max. input power  
1,56 W

Max. input current  
0,13 A

Operating voltage  
12 V

MTTF  
> 150.000 h

Scope of delivery

- Low-Noise Adaptor (L.N.A.)
- Ultra-Low-Noise Adaptor (U.L.N.A.)
- 3:4-pin power supply adaptor
- 30cm extension cable
- NA-AV3 anti-vibration mounts
- Fan screws

Warranty  
6 years

## Additional Information

Brand	Noctua
SKU	NF-A12X15-FLX
Weight	0.6000
Color	Brown
Fan Dimensions	120mm
Fan Width	15mm
Fan Connection	3-Pin
Fan Voltage	12 VDC
Fan RPM	1850
Fan Noise (dB)	24

