



Noctua NF-A4X10 FLX Quiet Computer Cooling Fan 40mm

\$16.95

Product Images



Short Description

Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A4x10 FLX is a highly optimised, premium quality quiet fan in 40x10mm size. Smooth Commutation Drive technology and Noctua's reference class SSO2 bearings guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, a Low-Noise Adaptor and Omnijoin Adaptor Set as well as 6 years manufacturer's warranty, the NF-A4x10 is a premium choice for the highest demands.

Description

Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A4x10 FLX is a highly optimised, premium quality quiet fan in 40x10mm size. Smooth Commutation Drive technology and Noctua's reference class SSO2 bearings guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, a Low-Noise Adaptor and Omnijoin Adaptor Set as well as 6 years manufacturer's warranty, the NF-A4x10 is a premium choice for the highest demands.

Features

Flow Acceleration Channels

The NF-A4x10 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.

Reduced Motor Hub Size

Thanks to its streamlined, compact motor design, the NF-A4x10's motor hub is smaller than with conventional 4cm fans. This allows for more blade surface area and thus contributes to the NF-A4x10's superior airflow and pressure performance.

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 NF-A4x10 remarkably quiet even at very close distance.

SSO2 Bearing

The NF-A4x10 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.

Low-Noise Adaptor for full flexibility

The NF-A4x10 FLX (Flexibility) is supplied with a Low-Noise Adaptor (L.N.A.) that reduces the maximum fan speed from 4500 to 3700rpm so that it can be fine-tuned for superior airflow or maximum quietness.

3 to 2-pin Adaptor and Polarity Protection

The NF-A4x10 comes with an adaptor from 3-pin Molex to the 2-pin connectors used on many graphics cards or network and storage devices. An integrated diode provides polarity protection on 2-pin connections.

Omnijoin Adaptor Set

Many devices featuring 40mm fans use proprietary fan headers, so the NF-A4x10 comes with Noctua's Omnijoin Adaptor Set. Just cut the original fan's cable, fix it to the adaptor using the supplied 3M Scotchlok™ connectors and you can plug the NF-A4x10 to proprietary fan headers!

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.

6 years manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A4x10 features an MTBF of more than 150.000 hours rating and comes with a full 6 years manufacturer's warranty.

Specifications

Size	40x40x10 mm
Connector	3-pin
Bearing	SSO2
Blade Geometry	A-Series with Flow Acceleration Channels
Frame Technology	AAO (Advanced Acoustic Optimisation)
Rotational Speed (+/- 10%)	4500 RPM
Rotational Speed with L.N.A. (+/- 10%)	3700 RPM
Airflow	8,2 m³/h
Airflow with L.N.A.	6,6 m³/h
Acoustical Noise	17,9 dB(A)
Acoustical Noise with L.N.A.	12,9 dB(A)
Static Pressure	1,78 mm H ₂ O
Static Pressure with L.N.A.	1,21 mm H ₂ O
Max. Input Power	0,6 W

Max. Input Current	0,05 A
Voltage	12 V
MTBF	> 150.000 h
Scope of Delivery	<ul style="list-style-type: none"> • Low-Noise Adaptor (L.N.A.) • 3:2 Pin Adaptor • OmniJoin Adaptor Set • 30cm Extension Cable • 4 Vibration-Compensators • 4 Fan Screws
Warranty	6 years

Additional Information

Brand	Noctua
SKU	NF-A4X10FLX
Weight	0.2500
Color	Brown
Fan Dimensions	40mm
Fan Width	10mm
Fan Connection	3-Pin
Fan Voltage	12 VDC
Fan RPM	4500
Fan CFM	8
Fan Noise (dB)	18

