

NF-A4x10 FLX

Noctua NF-A4x10 FLX Premium Fan



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 40x40mm size. Smooth Commutation Drive technology and Noctua's reference class SS02 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.

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.

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 cable connectors and you can plug the NF-A4x10 to proprietary fan headers!

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 screws and other mounting systems.

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.

SS02 Bearing

The NF-A4x10 features the further optimised second generation of Noctua's renowned, time-tested SSO bearing. With SS02, the rear magnet is placed closer to the axis to provide even better stabilisation, precision and durability.

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 MTTF rating of more than 150,000 hours and comes with a full 6 years manufacturer's warranty.

LOGISTIC DATA

Product name	Noctua NF-A4x10 FLX
EAN	4716123314691
UPC	842431014054
Packaging dimensions (HxWxD)	210x150x34 mm
Weight incl. packaging	160 g
Warranty	6 years
Packaging unit	36 pcs
Packaging dimensions / unit (HxWxD)	390x390x360 mm
Weight incl. packaging / unit	7.90 kg

SCOPE OF DELIVERY

NF-A4x10 FLX Premium Fan
Low-Noise Adaptor (L.N.A.)
OmniJoin Adaptor Set
3:2-pin Adaptor
30cm extension cable
4x anti-vibration mounts
4x fan screws

SPECIFICATIONS

Dimensions	40x40x10 mm	
Bearing	SS02-Bearing	
Blade Geometry	Optimized Seven Blade Design with Flow Acceleration Channels	
Max. Input power / voltage	0.6 W / 12 V	
MTTF	> 150,000 h	
NF-A4x10 FLX	w/o adaptor	with L.N.A.
Max. rotational speed (+/-10%)	4500 RPM	3700 RPM
Max. airflow	8.2 m³/h	6.6 m³/h
Max. acoustical noise	17.9dB(A)	12.9 dB(A)
Max. static pressure	1.78 mmH ₂ O	1.21 mmH ₂ O