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 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.

LOGISTIC DATA

Product Name
Noctua NF-A4x10 FLX

EAN-No.
471612331469-1

UPC-No.
84243101405-4

Dimensions (HxWxD)
210 x 150 x 34 mm

Weight
160 gr

Warranty
6 Years

MSPR
12.90 EUR

Packaging Unit
36 Pcs.

Dimensions / Unit (HxWxD)
390 x 390 x 360 mm

Weight / Unit
7.9 kg

SCOPE OF DELIVERY

- NF-A4x10 FLX 40mm Premium Fan
- Low-Noise Adaptor (L.N.A.)
- 3:2 Pin Adaptor
- OmniJoin Adaptor Set
- 30cm Extension Cable
- 4 Vibration-Compensators
- 4 Fan Screws

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.

Innner 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 3M Scotchlok™ connectors and you can plug the NF-A4x10 to proprietary fan headers!

Integrated Anit-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.

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

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 rating of more than 150.000 hours and comes with a full 6 years manufacturer's warranty.

SPECIFICATIONS

Size	40 x 40 x 10 mm
Bearing	SSO2-Bearing
Blade Geometry	A-Series with Flow Acceleration Channels
Max. Input Power	0.6 W
Operating Voltage	12V
MTBF	> 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 mmH2O	1.21 mmH2O

noctua DESIGNED IN AUSTRIA

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 1000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are chosen by more than a hundred thousand satisfied customers around the globe.

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