

NF-A4x10 5V

Noctua NF-A4x10 5V Premium Fan



Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and an AAO standard frame, the NF-A4x10 5V is a dedicated 5V version of Noctua's highly optimised, premium quality quiet 40x10mm fan. Smooth Commutation Drive technology and Noctua's reference class SSO2 bearing guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, the OmniJoin Adaptor Set and 6 years manufacturer's warranty, the NF-A4x10 5V is a premium choice for demanding 5V applications.

5 Volt Version

Many devices such as network or storage solutions use 5 volt 40mm fans. With the same operating voltage and the included OmniJoin™ adaptor set that makes it compatible with proprietary fan headers, the NF-A4x10 5V is ideal for replacing noisy or broken 5V 40mm fans.

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.

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.

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 5V remarkably quiet even at very close distance.

OmniJoin Adaptor Set

Many devices featuring 40mm fans use proprietary fan headers, so the NF-A4x10 5V 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 5V to proprietary fan headers!

3 to 2-pin Adaptor and Polarity Protection

The NF-A4x10 5V 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.

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.

SSO2 Bearing

The NF-A4x10 5V 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 5V 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 5V

EAN
4716123315469

UPC
841500110055

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
7.50 kg

SCOPE OF DELIVERY

NF-A4x10 5V premium fan

3:2 Pin Adaptor

OmniJoin Adaptor Set

30cm extension cable

4x anti-vibration mounts

4x fan screws



SPECIFICATIONS

| | |
|----------------------------|---|
| Dimensions | 40x40x10 mm |
| Bearing | SSO2-Bearing |
| Blade geometry | A-Serie with Flow Acceleration Channels |
| Max. input power / voltage | 0.25 W / 5 V |
| MTTF | > 150,000 h |

| | |
|--------------------------------|-------------|
| NF-A4x10 5V | w/o adaptor |
| Max. rotational speed (+/-10%) | 4500 RPM |
| Max. airflow | 8.2 m³/h |
| Max. acoustical noise | 17.9 dB(A) |
| Max. static pressure | 1.78 mmH2O |