

Noctua NF-A6x25 5V Premium Fan

NF-A6x25 5V



Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A6x25 5V is a dedicated 5V version of Noctua's highly optimised, premium-quality quiet 60x25mm 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 a 6-year manufacturer's warranty, the NF-A6x25 5V is a premium choice for demanding 5V applications.

5V version

Many devices, such as network or storage solutions, use 5 volt 60mm fans. With the same operating voltage and the included OmniJoin™ Adaptor Set that makes it compatible with proprietary fan headers, the NF-A6x25 5V is ideal for replacing noisy or broken 5V 60mm fans.

Polarity protection

As many devices using 5V fans feature proprietary connectors and documentation of the pin alignment may not be available, the fan features an integrated diode for polarity protection. This way, you're on the safe side if you accidentally connect it with reverse polarity.

Reduced Motor Hub Size

Thanks to its streamlined, compact motor design, the NF-A6x25's motor hub is smaller than with conventional 6cm fans. This allows for more blade surface area and thus contributes to the NF-A6x25'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.

Flow Acceleration Channels

The NF-A6x25 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.

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.

OmniJoin™ Adaptor Set

Many devices featuring 60mm fans use proprietary fan headers, so the NF-A6x25 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-A6x25 5V to proprietary fan headers!

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-A6x25 remarkably quiet even at very close distances.

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.

SSO2 Bearing

The NF-A6x25 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-A6x25 features an MTTF of more than 150,000 hours rating and comes with a full 6-year manufacturer's warranty.

LOGISTIC DATA

Product name	Noctua NF-A6x25 5V
EAN	9010018100037
UPC	841501110030
Packaging dimensions (HxWxD)	210x150x34 mm
Weight incl. packaging	195 g
Warranty	6 years
Packaging unit	36 pcs
Packaging dimensions / unit (HxWxD)	395x385x380 mm
Weight incl. packaging / unit	8.90 kg

SCOPE OF DELIVERY

NF-A6x25 5V premium fan
OmniJoin Adaptor Set
30cm extension cable
4x anti-vibration mounts
4x fan screws



SPECIFICATIONS

Dimensions	60x60x25 mm
Bearing	SSO2
Connector	3-pin
Blade geometry	A-Series with Flow Acceleration Channels
Max. input power / voltage	1.3 W / 5 V
MTTF	> 150,000 h

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Max. rotational speed (+/-10%)	3000 RPM
Max. airflow	29.2 m³/h
Max. acoustical noise	19.3 dB(A)
Max. static pressure	2.18 mmH ₂ O