



Noctua NF-A6X25 FLX Quiet Computer Cooling Fan 60mm

\$17.95

Product Images



Short Description

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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.

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.

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-A6x25 remarkably quiet even at very close distance.

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.

3 speed settings for full flexibility

Providing 3000, 2400 and 1600 rpm speed settings via the supplied Low-Noise and Ultra-Low-Noise Adapters, the NF-A6x25 FLX (Flexibility) can be fine-tuned for superior airflow or maximum quietness.

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 and the supplied 3:4 pin adaptor allows to connect the fan directly to the power supply.

6 years manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A6x25 features an MTBF of more than 150.000 hours rating and comes with a full 6 years manufacturer's warranty.

Specifications

Size	60x60x25 mm
Connector	3-pin
Bearing	SSO2
Blade Geometry	A-Series with Flow Acceleration Channels
Frame Technology	AAO (Advanced Acoustic Optimisation)
Rotational Speed (+/- 10%)	3000 RPM
Rotational Speed with L.N.A. (+/- 10%)	2400 RPM
Rotational Speed with U.L.N.A. (+/- 10%)	1600 RPM
Airflow	29,2 m³/h
Airflow with L.N.A.	23,5 m³/h
Airflow with U.L.N.A.	16,7 m³/h
Acoustical Noise	19,3 dB(A)
Acoustical Noise with L.N.A.	14,5 dB(A)
Acoustical Noise with U.L.N.A.	8,2 dB(A)
Static Pressure	2,18 mm H ₂ O
Static Pressure with L.N.A.	1,41 mm H ₂ O
Static Pressure with U.L.N.A.	0,61 mm H ₂ O
Max. Input Power	1,44 W
Max. Input Current	0,12 A
Voltage	12 V

MTBF	> 150.000 h
Scope of Delivery	<ul style="list-style-type: none">• Low-Noise Adaptor (L.N.A.)• Ultra-Low-Noise Adapter (U.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-A6X25-FLX
Weight	0.2500
Color	Brown
Fan Dimensions	60mm
Fan Width	25mm
Fan Connection	3-Pin
Fan Voltage	12 VDC
Fan RPM	3000
Fan CFM	17
Fan Noise (dB)	19

