

# NF-A12x15 FLX

## Noctua NF-A12x15 FLX Premium Fan



Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A12x15 FLX is a highly optimised, premium quality quiet fan in size 120x15mm. Its 15mm slim design makes the NF-A12x15 FLX ideal for space-restricted applications such as low-profile CPU coolers or HTPC cases. The FLX version provides 1850/1400/950rpm speed settings via the supplied Low-Noise Adaptors in order to allow full flexibility in fine-tuning the fan for maximum ventilation performance or near-silent operation. Its superb running smoothness, reference-class SSO2 bearing and Noctua's trusted premium quality make it an elite choice for the highest demands.

### 15mm slim design

Having a thickness of only 15mm, the NF-A12x15 FLX is much slimmer than standard 120x25mm fans. This makes it ideal for typical slim fan applications such as low-profile CPU coolers as well as for freeing up space by replacing standard 120x25mm fans on tower coolers, radiators or in PC cases.

### Metal-reinforced motor hub

With many larger-diameter slim fan designs, the shorter axis and bearing lead to a reduced running stability and lifespan. The NF-A12x15 FLX uses a metal-reinforced motor hub, a measure typically found in high-speed industrial fans, in order to guarantee Noctua's signature stability and longevity.

### 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-A12x15 FLX 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.

### 3 speed settings for full flexibility

Providing 2000, 1650 and 1200 rpm speed settings via the supplied Low-Noise and Ultra-Low-Noise Adaptors, the NF-A12x15 FLX (Flexibility) can be fine-tuned for superior airflow or maximum quietness.

### 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.

### 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-A12x15 FLX remarkably quiet even at very close distance.

### 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-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A12x15 FLX 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-A12x15 FLX

EAN  
9010018100099

UPC  
841500110093

Packaging dimensions (HxWxD)  
210x150x34 mm

Weight incl. packaging  
296 g

Warranty  
6 years

Packaging unit  
36 pcs

Packaging dimensions / unit (HxWxD)  
395x380x380 mm

Weight incl. packaging / unit  
12.10 kg

### SCOPE OF DELIVERY

NF-A12x15 FLX premium fan

Low-Noise-Adaptor (L.N.A.)

Ultra Low-Noise-Adaptor (U.L.N.A.)

30cm extension cable

3:4-pin adaptor

4x anti-vibration mounts

4x fan screws



### SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Dimensions                 | 120x120x15 mm                            |
| Bearing                    | SSO2                                     |
| Connector                  | 3-pin                                    |
| Blade geometry             | A-Series with Flow Acceleration Channels |
| Max. input power / voltage | 1.56 W / 12 V                            |
| MTTF                       | > 150,000 h                              |

| NF-A12x15 FLX                  | w/o adaptor             | with L.N.A.             | with U.L.N.A.           |
|--------------------------------|-------------------------|-------------------------|-------------------------|
| Max. rotational speed (+/-10%) | 1850 RPM                | 1400 RPM                | 950 RPM                 |
| Max. airflow                   | 94.2 m³/h               | 70.8 m³/h               | 46.5 m³/h               |
| Max. acoustical noise          | 23.9 dB(A)              | 16.8 dB(A)              | 10.2 dB(A)              |
| Max. static pressure           | 1.53 mmH <sub>2</sub> O | 0.90 mmH <sub>2</sub> O | 0.45 mmH <sub>2</sub> O |