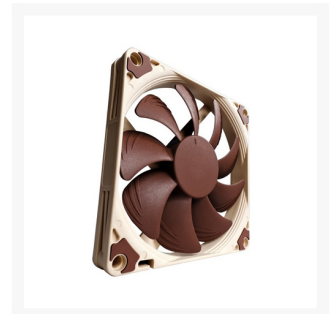




# Noctua NF-A9X14 PWM Quiet Computer PWM Cooling Fan 92mm

\$19.95

## Product Images



## Short Description

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Featuring Noctua's AAO frame and sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A9x14 is a highly optimised, premium quality quiet fan in 92x14mm size. Due to its thickness of only 14mm, the NF-A9x14 is a perfect match for low profile CPU coolers and all other applications that require slimmer fans.

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## Features

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### 14mm Low Profile Design

Measuring only 14mm in thickness, the NF-A9x14 is much slimmer than standard 92x25mm fans. This makes it ideal for all applications where standard fans would take up too much space, such as low profile CPU coolers in HTPC builds or server environments.

### Flow Acceleration Channels

The NF-A9x14 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.

### 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.

### SSO2 Bearing

The NF-A9x14 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.

#### Custom designed PWM IC with SCD

Supporting fully automatic PWM speed control, the NF-A9x14 uses Noctua's novel, custom designed NE-FD1 PWM IC that integrates Smooth Commutation Drive (SCD) technology. By providing smoother torque impulses, SCD suppresses PWM switching noises and thus makes the fan quieter at lower speeds.

#### Low-Noise Adaptor

The NF-A9x14 is supplied with a Low-Noise Adaptor (L.N.A.) that reduces the maximum fan speed from 2200 to 1700rpm. The L.N.A can be used either to run the fan at a fixed speed of 1200rpm or to cap the maximum speed when using automatic PWM control.

#### 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 a 4-pin y-cable allows to connect a second NF-A9x14 fan to the same PWM fan header for automatic control.

#### 6 years manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A9x14 features an MTBF rating of more than 150.000 hours and comes with a full 6 years manufacturer's warranty.

## Specifications

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|  |  |
|--|--|
| Size                                   | 92x92x14 mm  |
| Connector                              | 4-pin PWM  |
| Bearing                                | SSO2   |
| Blade Geometry                         | A-Series with <a href="#">Flow Acceleration Channels</a> |
| Frame Technology                       | <a href="#">AAO (Advanced Acoustic Optimisation)</a>     |
| Rotational Speed (+/- 10%)             | 2200 RPM   |
| Rotational Speed with L.N.A. (+/- 10%) | 1700 RPM   |
| Airflow                                | 50,5 m <sup>3</sup> /h                                   |
| Airflow with L.N.A.                    | 38,1 m <sup>3</sup> /h                                   |
| Acoustical Noise                       | 19,9 dB(A)   |
| Acoustical Noise with L.N.A.           | 13,5 dB(A)   |
| Static Pressure                        | 1,64 mm H <sub>2</sub> O                                 |
| Static Pressure with L.N.A.            | 0,92 mm H <sub>2</sub> O                                 |
| Max. Input Power                       | 1,32 W   |
| Max. Input Current                     | 0,11 A   |
| Voltage                                | 12 V   |
| MTBF                                   | > 150.000 h  |

Scope of Delivery

- Low-Noise Adaptor (L.N.A.)
- 4pin y-Cable
- 30cm Extension Cable
- 4 Vibration-Compensators
- 4 Fan Screws

Warranty

6 years

## Additional Information

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|                |              |
|----------------|--------------|
| Brand          | Noctua       |
| SKU            | NF-A9X14-PWM |
| Weight         | 0.4000       |
| Color          | Brown        |
| Fan Dimensions | 92mm         |
| Fan Width      | 25mm         |
| Fan Connection | 4-Pin PWM    |
| Fan Voltage    | 12 VDC       |
| Fan RPM        | 2200         |
| Fan CFM        | 30           |
| Fan Noise (dB) | 20           |

