

NF-A9x14 PWM

Noctua NF-A9x14 PWM Premium Fan



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. Noctua's custom-designed PWM IC for fully automatic speed control and reference class SSO2 bearings guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, a Low-Noise Adaptor, a 6 years manufacturer's warranty, the NF-A9x14 is a premium choice for the highest demands.

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.

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.

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-A9x14 remarkably quiet even at very close distance.

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 screws and other mounting systems.

PWM IC with SCD

Supporting fully automatic PWM speed control, the NF-A9x14 PWM 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.

6 years manufacturer's warranty

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

LOGISTIC DATA

Product Name
Noctua NF-A9x14 PWM

EAN-No.
471612331477-6

UPC-No.
84243101417-7

Dimensions (HxWxD)
210 x 150 x 34 mm

Weight
205 gr

Warranty
6 Years

MSPR
16.90 EUR

Packaging Unit
36 Pcs.

Dimensions / Unit (HxWxD)
390 x 390 x 360 mm

Weight / Unit
9.8 kg

SCOPE OF DELIVERY

NF-A9x14 PWM 92mm Premium Fan

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

4-Pin Y-Cable

30cm Extension Cable

4 Vibration-Compensators

4 Fan Screws

SPECIFICATIONS

Size	92 x 92 x 14 mm	
Bearing	SSO2-Bearing	
Blade Geometry	A-Series with Flow Acceleration Channels	
Max. Input Power	1.32 W	
Operating Voltage	12V	
MTBF	> 150.000 h	
NF-A9x14 PWM	w/o adaptor	with L.N.A.
Max. Rotational Speed (+/-10%)	2200 RPM	1700 RPM
Max. Airflow	50.5 m³/h	38.1 m³/h
Max. Acoustical Noise	19.9 dB(A)	13.5 dB(A)
Max. Static Pressure	1.64 mmH2O	0.92 mmH2O