

NF-A9x14 PWM

Noctua NF-A9x14 PWM Premium Fan



LOGISTIC DATA

Product name
Noctua NF-A9x14 PWM

EAN
4716123314776

UPC
842431014177

Packaging dimensions (HxWxD)
210x150x34 mm

Weight incl. packaging
205 g

Warranty
6 Years

Packaging unit
36 pcs

Packaging dimensions / unit (HxWxD)
390x390x360 mm

Weight incl. packaging / unit
9.80 kg

SCOPE OF DELIVERY

NF-A9x14 PWM premium fan
Low-Noise Adaptor (L.N.A.)
4-pin y-cable
30cm extension cable
4x anti-vibration mounts
4x fan screws

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 SS02 bearings guarantee superb running smoothness and excellent long-term stability. Topped off with modular cabling, a Low-Noise Adaptor and 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.

SS02 Bearing

The NF-A9x14 features the further optimised second generation of Noctua's renowned, time-tested SS0 bearing. With SS02, 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 MTTF rating of more than 150,000 hours and comes with a full 6 years manufacturer's warranty.

SPECIFICATIONS

Dimensions	92x92x14 mm	
Bearing	SS02-Bearing	
Blade geometry	Pressure-optimized Nine Blade Design with Flow-Acceleration Channels	
Max. input power / voltage	1.32 W / 12 V	
MTTF	> 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 mmH ₂ O	0.92 mmH ₂ O