

NF-A14 FLX

Noctua NF-A14 FLX Premium Fan



LOGISTIC DATA

Product Name
Noctua NF-A14 FLX

EAN-No.
471612331481-3

UPC-No.
84243101421-4

Dimensions (HxWxD)
242 x 174 x 37 mm

Weight
370 gr

Warranty
6 years

MSPR
21.90 EUR

Packaging Unit
40 Pcs.

Dimensions / Unit (HxWxD)
440 x 400 x 390 mm

Weight / Unit
16.2 kg

SCOPE OF DELIVERY

NF-A14 FLX 140mm Premium Fan

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

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

3:4 Pin Adaptor

30cm Extension Cable

4 Vibration-Compensators

4 Fan Screws

The NF-A14 is a premium quality quiet 140mm fan with a square frame that complies with Noctua's AAO (Advanced Acoustic Optimisation) standard. Its square shape and 140mm mounting holes (124.5mm spacing) make it ideal for use on watercooling radiators or as an upgrade for 140mm case fans. Featuring sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A14 further improves the renowned quiet cooling performance of the award-winning NF-P14. The FLX version provides 1200/1050/900rpm speed settings via the supplied Low-Noise Adaptors in order to provide 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.

Square 140mm frame

The NF-A14's square 140mm frame with 140mm mounting holes (124.5mm spacing) makes it a premium grade replacement for common 140mm case fans and perfect for use on 140mm water cooling radiators, where its square shape will ensure full coverage and best pressure performance.

Flow Acceleration Channels

The NF-A14 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-A14 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.

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.

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-A14 remarkably quiet even at very close distance.

3 speed settings for full flexibility

Providing 1200, 1050 and 900 rpm speed settings via the supplied Low-Noise and Ultra-Low-Noise Adaptors, the NF-A14 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-A14 features an MTBF of more than 150.000 hours rating and comes with a full 6 years manufacturer's warranty.

SPECIFICATIONS

Size	140 x 140 x 25 mm
Bearing	SSO2-Bearing
Blade Geometry	A-Series with Flow Acceleration Channels
Max. Input Power//Operating Voltage	0.96 W/12V
MTBF	> 150.000 h

NF-A14 FLX	w/o Adaptor	with L.N.A.	with U.L.N.A.
Max. Rotational Speed (+/-10%)	1200 RPM	1050 RPM	900 RPM
Max. Airflow	115.5 m³/h	101.9 m³/h	88.7 m³/h
Max. Acoustical Noise	19.2 dB(A)	16.4 dB(A)	13.8 dB(A)
Max. Static Pressure	1.51 mmH2O	1.18 mmH2O	0.89 mmH2O