

Noctua NF-F12 PWM chromax.Black.swap, Premium Quiet Fan, 4-Pin (120mm, Black) Review-2021



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Premium quiet fan, 120x120x25mm, 12V, 4-pin PWM, max. 1500 RPM, max. 22.4 dB(A), >150,000 h MTTF

Award-winning NF-F12 design has received more than 100 recommendations from international hardware websites and magazines

Focused Flow frame for outstanding static pressure performance, ideal for use on heatsinks and radiators

4-pin PWM version for automatic speed control via 4-pin PWM fan headers, 1500rpm maximum speed

chromax.black.swap edition with all-black design and swappable red, black, white, blue, yellow and green anti-vibration pads for colour-customising Having received more than 100 awards and recommendations from international hardware websites and magazines, the NF-F12 is one of Noctua's most renowned and popular 120mm fans. Its outstanding static pressure performance and the FocusedFlow frame make it ideal for use on heatsinks and radiators. The

chromax.black.swap edition combines the NF-F12's signature quiet cooling performance with an attractive all-black design and a bundle of swappable red, white, blue, green, yellow and black anti-vibration pads that allow the colour-customisation of the fan to match individual build colour schemes. For further customisation, a wide range of accessories such as coloured cables, additional anti-vibration pads and anti-vibration mounts are available separately. Topped off with Noctua's trusted premium-grade SSO2 bearing and more than 150,000 hours MTTF, the NF-F12 PWM chromax.black.swap is the perfect choice for all users who value individual, focused build aesthetics just as much as class-leading quality and performance.

Award-winning NF-F12 design

Having received more than 150 awards and recommendations from the international press, Noctua's NF-F12 has become a proven premium choice for 120mm cooling needs. Its renowned efficiency has convinced tens of thousands of customers all over the world.

Swappable anti-vibration pads in 6 colours

The NF-F12 PWM chromax.black.swap comes with 4 black, white, red, blue, green and yellow NA-AVP1 anti-vibration pads respectively. By combining the various colours with black or leaving off the pads on one side, the fan can be coordinated with most popular build colour schemes out of the box. Additional NA-SAVP1 sets for outfitting both sides in one colour can be purchased separately.

SSO2 bearing

The chromax line fans feature 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.

Varying Angular Distance and Vortex Control Notches

The NF-F12's stator guide vanes are set out in Varying Angular Distance and feature Vortex-Control Notches. Both measures help to spread the noise emission over a broader frequency spectrum and thus make the fan's sound pattern more agreeable to the human ear.

Focused Flow frame

Designed for pressure demanding applications such as heatsinks and radiators, the Focused Flow frame features eleven stator guide vanes that straighten, channel and focus the airflow, which allows the NF-F12 to rival the performance of conventional fans running at much faster speeds.

Maximising colour choices, Noctua's chromax.black.swap edition fans can be colour-customised using the included swappable anti-vibration pads as well as optional anti-vibration mounts and cables. This makes them ideal for enthusiasts looking for true premium-grade fans that can be colour-coordinated with popular build themes such as all black, black & white or black & red.

NF-F12 PWM

NF-F12 PWM 5V

NF-F12 5V

NF-F12 PWM chromax.black.swap

Connector

4-pin PWM

4-pin PWM

3-pin

4-pin PWM

RPM

Max: 1500 / Min: 300

Max: 1500 / Min: 300

1500

Max: 1500 / Min: 300

RPM with L.N.A.

1200

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Acoustical Noise

22,4 dB(A)

22,4 dB(A)

22,4 dB(A)

22,4 dB(A)

Acoustical Noise with L.N.A.

18,6 dB(A)

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Voltage

12 V

5 V

5 V

12 V

Size (mm)

120x120x25

120x120x25

120x120x25

120x120x25

Colour

Brown & Beige

Brown & Beige

Brown & Beige

Black with swappable coloured anti-vibration pads Review 2021, feedback 2021, promo code, discount code 2021, buy, picture, description, sale, price comparison, cheap, cheapest, value for money.