

NF-A14x25 G2 PWM Sx2-PP

Dual Fan Set for Push-Pull and Side-by-Side Applications



LOGISTIC DATA

Product name

Noctua NF-A14x25 G2 PWM Sx2 PP

EAN

9010018100655

UPC

841501110658

Packaging dimensions (HxWxD)

33x369x148 mm

Weight incl. packaging

682 g

Warranty

6 years

Packaging unit

20 pcs

Packaging dimensions / unit (HxWxD)

342x388x373 mm

Weight incl. packaging / unit

14.50 kg

SCOPE OF DELIVERY

NF-A14x25 G2 PWM PPA

NF-A14x25 G2 PWM PPB

2x NA-RC16 Low-Noise Adaptor (L.N.A.)

NA-YC1 4-pin PWM splitter cable

2x NA-EC1 30cm extension cable

8x NA-AV2 anti-vibration mounts

2x NA-AVG2-LR anti-vibration gasket for water cooling radiators

8x NA-AVP1-LR load-relief anti-vibration pads

8x fan screws

The NF-A14x25 G2 PWM Sx2-PP is a set of two NF-A14x25 G2 PWM square-frame 140mm fans that are offset in speed, which can be beneficial in push-pull operation as well as in situations where two fans are operating side by side, such as in case cooling applications or on 280mm water cooling radiators. When two fans are running at almost the same, constant speed in a push-pull configuration or, albeit to a lesser extent, side by side, their acoustic interaction can lead to undesirable harmonic phenomena such as intermittent vibrations or periodic humming due to interference, which can be heard as beat frequencies. Therefore, the two NF-A14x25 G2 PWM fans contained in the Sx2-PP set are slightly offset in speed (+/- ~25rpm) in order to avoid such phenomena. This fine-tuning is made possible by the fans' novel etaPERF™ motor and its NE-FD6 driver IC that achieves extremely precise speed control and, thanks to its SupraTorque™ feature, can leverage extra torque headroom to keep the exact desired speed even when working against significant flow resistance such as on water cooling radiators and heatsinks. With one fan running ~25rpm slower (PPA) and one ~25rpm faster (PPB), the overall cooling performance can be kept the same while efficiently preventing intermittent vibrations or periodic humming. Since the perception of beat frequencies can vary depending on psychoacoustic preferences, users can easily further optimise acoustics by slowing the PPA fan down a little more through PWM control or the supplied Low-Noise-Adaptor, which will result in an even smoother sound signature due to the increased offset.

Dual fan set for push-pull and side-by-side usage

Bundling two NF-A14x25 G2 PWM fans that are speed-offset by +/- ~25rpm in order to avoid undesired acoustic interaction phenomena, the Sx2-PP set is the ideal choice for push-pull configurations as well as situations where two fans are operating side by side such as on 280mm radiators or in typical case cooling applications.

Next-generation performance

Noctua's NF-A14 is renowned as being among the best 140mm fans on the market and has received more than 100 awards and recommendations from the international press. With its further improved efficiency and novel, state-of-the-art engineering, the NF-A14x25 G2 represents another step up in performance and manufacturing.

Highly optimised P/Q curve for all applications

The NF-A14x25 G2's sophisticated aerodynamic design allows for a pressure to airflow (P/Q) curve that is extremely strong in the critical mid-section. This means that the NF-A14x25 G2 is a true jack-of-all-trades with excellent performance in both static pressure and airflow demanding applications.

6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A14x25 G2 features an MTTF of more than 150,000 hours rating and comes with a full 6-year manufacturer's warranty.

NF-A14x25 G2 PWM FAN SPECIFICATIONS

Dimensions	140x140x25 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade geometry	Progressive-Bend impeller	
Frame technology	AAO (Advanced Acoustic Optimisation)	
Max. input power	2.28 W	
Voltage	12 V	
MTTF	> 150,000 h	

NF-A14x25 G2 PWM	without adaptor	with L.N.A.
Rotational speed (+/-10%)	1500 RPM	1250 RPM
Airflow (m³/h)	155.6 m³/h	127.1 m³/h
Acoustical noise dB(A)	24.8 dB(A)	19.7 dB(A)
Static pressure (mmH₂O)	2.56 mmH₂O	1.3 mmH₂O