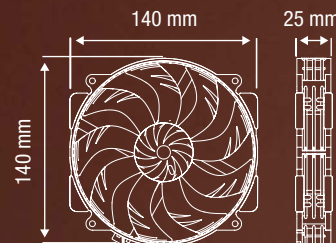




# NF-A14x25r G2 PWM

## NEXT-GEN ROUND-FRAME 140x25mm FAN



### LOGISTIC DATA

#### Product name

Noctua NF-A14x25r G2 PWM

#### EAN

9010018100648

#### UPC

841501110641

#### Packaging dimensions (HxWxD)

33x199x148 mm

#### Weight incl. packaging

340 g

#### Warranty

6 years

#### Packaging unit

40 pcs

#### Packaging dimensions / unit (HxWxD)

342x425x373 mm

#### Weight incl. packaging / unit

14.80 kg

### SCOPE OF DELIVERY

NF-A14x25r G2 PWM premium fan

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

NA-YC1 4-pin PWM splitter cable

NA-EC1 30cm extension cable

4x NA-AV2 anti-vibration mounts

4x Fan screws

Succeeding the award-winning NF-A15 and building on the technological innovations of the ground-breaking NF-A12x25, the NF-A14x25r G2 is Noctua's next-generation round-frame 140mm flagship model: Made from Sterrox® LCP, its highly optimised Progressive-Bend impeller with winglets, Flow Acceleration Channels and Centrifugal Turbulator Hub combined with a tip-clearance of only 0.7mm allow the NF-A14x25r G2 to further improve its predecessor's renowned quiet cooling performance. This makes it not only a perfect fit for Noctua's next-generation 140mm class heatsinks but also an excellent upgrade for existing cooler models such as the NH-D15(S) or NH-U14S series (Sx2-PP set recommended for push/pull configurations). The 4-pin PWM version supports fully automatic speed control via PWM fan headers and comes with a Low-Noise Adaptor to reduce the maximum speed from 1500 to 1250rpm. Its ultra low-loss etaPERF™ motor with Smooth Commutation Drive 2 technology doesn't only provide unprecedented energy efficiency and running smoothness but thanks to the new SupraTorque™ feature, it can also leverage extra torque headroom to keep the fan at its desired speed when working against back pressure, thereby ensuring even better performance on heatsinks. Topped off with Noctua's reference-class SS02 bearing, a rich bundle of accessories and 6-year manufacturer's warranty, the NF-A14x25r G2 is a premium-quality product through and through. Its superior performance, comprehensive feature set, cutting-edge construction and state-of-the-art materials set a new standard within Noctua's portfolio and make it an elite choice for the most discerning demands.

### Next-generation performance

Noctua's NF-A15 is renowned as being among the best round-frame 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-A14x25r 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.

### Excellent on-application acoustics

While many fans produce unpleasant, high-pitched noises when installed in typical applications such as on heatsinks or radiators, the NF-A14x25 G2 has been carefully fine-tuned for optimal on-application acoustics. It produces a smooth, pleasant frequency profile and surprisingly low sound pressure levels (SPL) when working against back pressure.

### Progressive-Bend impeller

The NF-A14x25 G2 features a unique Progressive-Bend impeller with Flow Acceleration Channels and winglets. Its nine blades are swept backwards close to the hub and progressively bent forward further out. Working in tandem with the Centrifugal Turbulator hub, this design not only helps to push more air towards the outer blade areas where efficiency is higher but also assures maximum lift and near uniform loading across the entire blade span.

### Ultra-tight tip clearance

The NF-A14x25 G2 has a record tight tip clearance (distance between the blade tips and the inside of the frame) of only 0.7mm. This highly ambitious design sets a new benchmark for 140mm fans and helps the NF-A14x25 G2 to work more efficiently against back pressure, such as on heatsinks or radiators, by reducing leak flows through the gap between impeller and frame.

### 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-A14x25r 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-A14x25r 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   |