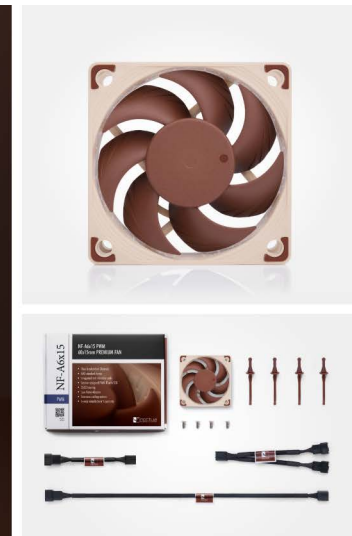


# NF-A6x15 PWM

## Noctua NF-A6x15 PWM Premium Fan



Featuring advanced aerodynamic design measures such as Flow Acceleration Channels and Noctua's AAO frame, the NF-A6x15 is a highly optimised, premium-quality quiet fan in size 60x60mm. The PWM version uses Noctua's custom-designed NE-FD1 IC for fully automatic speed control via 4-pin fan headers and comes with a Low-Noise Adaptor to reduce the maximum speed during PWM control from 3500 to 3050rpm. Its superb running smoothness, SS02 bearing and Noctua's trusted premium quality make it an elite choice for the highest demands.

### Flow Acceleration Channels

The NF-A6x15 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.

### 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.

### SS02 bearing

The NF-A6x15 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.

### Custom-designed PWM IC with SCD

Supporting fully automatic PWM speed control, the NF-A6x15 PWM uses Noctua's 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 low speeds.

### 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 a 4-pin y-cable allows the connection of a second NF-A6x15 PWM fan to the same PWM fan header for automatic control.

### 6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A6x15 features an MTTF of more than 150,000 hours rating and comes with a full 6-year manufacturer's warranty.

### SPECIFICATIONS

|                                |                                          |                         |
|--------------------------------|------------------------------------------|-------------------------|
| Dimensions                     | 60x60x15 mm                              |                         |
| Bearing                        | SS02                                     |                         |
| Connector                      | 4-pin PWM                                |                         |
| Blade geometry                 | A-Series with Flow Acceleration Channels |                         |
| Max. input power / voltage     | 1.02 W / 12 V                            |                         |
| MTTF                           | > 150,000 h                              |                         |
| NF-A6x15 PWM                   | w/o adaptor                              | with L.N.A.             |
| Max. rotational speed (+/-10%) | 3500 RPM                                 | 3050 RPM                |
| Max. airflow                   | 23.4 m³/h                                | 20.1 m³/h               |
| Max. acoustical noise          | 19.8 dB(A)                               | 16.5 dB(A)              |
| Max. static pressure           | 2.43 mmH <sub>2</sub> O                  | 1.79 mmH <sub>2</sub> O |

### LOGISTIC DATA

|                                     |                     |
|-------------------------------------|---------------------|
| Product name                        | Noctua NF-A6x15 PWM |
| EAN                                 | 9010018100143       |
| UPC                                 | 841500110147        |
| Packaging dimensions (HxWxD)        | 18x140x110 mm       |
| Weight incl. packaging              | 102 g               |
| Warranty                            | 6 years             |
| Packaging unit                      | 36 pcs              |
| Packaging dimensions / unit (HxWxD) | 150x440x240 mm      |
| Weight incl. packaging / unit       | 4.19 kg             |

### SCOPE OF DELIVERY

|                                    |
|------------------------------------|
| NF-A6x15 PWM premium fan           |
| 4x NA-AV2 anti-vibration mounts    |
| NA-EC1 30cm extension cable        |
| NA-YC1 4-pin PWM splitter cable    |
| NA-RC14 Low-Noise Adaptor (L.N.A.) |
| 4x fan screws                      |

