

# NF-A20 5V PWM

## Noctua NF-A20 5V PWM Premium Fan



### LOGISTICAL DATAS

Product Labeling

Noctua NF-A20 5V PWM

EAN-No.

9010018100075

UPC-No.

841500110079

Dimensions (HxWxD)

285 x 285 x 38 mm

Weight

721 gr

Warranty

6 Years

MSPR

29.95 USD

Packaging Unit

10 Pcs.

Dimensions / Unit (HxWxD)

315 x 300 x 420 mm

Weight / Unit

8.0 kg

### SCOPE OF DELIVERY

NF-A20 5V PWM premium fan

NA-AV3 anti-vibration mounts

NA-EC1 30cm extension cable

NA-AC7 USB power adaptor cable

NA-IC2 OmniJoin adaptor cable

NM-SFS1 fan screws



The NF-A20 5V PWM is a PWM-enabled 5V variant of Noctua's award-winning, premium-quality NF-A20 200mm fan. Featuring an AAO (Advanced Acoustic Optimisation) standard frame and sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A20 is renowned for its superior performance and outstanding quietness of operation. Smooth Commutation Drive technology and Noctua's reference class SSO2 bearing guarantee superb running smoothness and excellent long-term stability. Topped off with the included USB power adaptor cable, OmniJoin™ adaptor set and 6-year manufacturer's warranty, the NF-A20 5V PWM is a premium choice for demanding 5V applications that require PWM control.

#### Award-winning Noctua quality in 20cm size

While more and more PC cases support 20cm intake, side-panel or exhaust fans, many of the bundled stock units and available aftermarket options are of questionable quality. By contrast, the NF-A20 5V PWM is a true premium grade solution worthy of Noctua's award-winning A-series.

#### 154mm, 110x180mm and 170mm hole spacing

In order to ensure broad compatibility with today's PC cases, the NF-A20 5V PWM features three sets of mounting holes: While the 154x154mm and 110x180mm spacing allow it to replace most 200mm fans, the 170x170mm spacing is used by many 230 and 250mm fans, which can thus also be replaced by the NF-A20 5V PWM.\*

#### 5V PWM version

5V PWM fans are used in various devices and applications. With the included USB power adaptor cable and OmniJoin™ adaptor set, the NF-A20 5V PWM is a proven premium solution that gives you full flexibility both for replacing existing 5V PWM fans and for new, custom applications that require PWM speed control.

#### 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.

#### OmniJoin Adaptor Set

Many devices featuring 5V fans use proprietary fan headers, so the NF-A20 5V PWM comes with Noctua's OmniJoin adaptor set. Just cut the original fan's cable, fix it to the adaptor using the supplied 3M Scotchlok™ connectors and you can plug the NF-A20 5V PWM to proprietary fan headers!

#### USB power adaptor cable

The fan includes a USB power adaptor cable that allows it to run on power banks, devices with USB host ports or USB power supplies such as those used for smartphones, giving you near endless possibilities for using the fan in your home, in your car or wherever a need for cooling occurs!

#### 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.

#### 6-year manufacturer's warranty

Noctua fans are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the NF-A20 5V PWM features an MTTF of more than 150.000 hours rating and comes with a full 6-year manufacturer's warranty.

*Being a 5V fan, the NF-A20 5V PWM cannot be run at 12V and will be damaged when used with typical 12V power sources such as PC motherboard fan headers.*

*\*As there is no fixed industry standard for the size or hole spacing of 200mm, 220mm, 230mm or 250mm fans, please carefully check both the hole setup of your chassis and the available space (the NF-A20 5V PWM is 30mm thick whereas some other 200mm fans are only 20mm!) in order to verify that the NF-A20 5V PWM is compatible with your chassis. In case of doubt, please contact our customer support (support@noctua.at).*

### SPECIFICATIONS

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Size                                 | 200 x 200 x 30 mm                        |
| Connector                            | 4-Pin                                    |
| Bearing                              | SSO2                                     |
| Blade geometry                       | A-Series with Flow Acceleration Channels |
| Frame technology                     | AAO (Advanced Acoustic Optimisation)     |
| Max. input power / operating voltage | 0.85W / 5V                               |
| MTTF                                 | > 150.000 h                              |

|                                |                          |
|--------------------------------|--------------------------|
| NF-A20 5V PWM                  | w/o adaptor              |
| Max. rotational speed (+/-10%) | 800 RPM                  |
| Max. airflow                   | 146.9 m³/h               |
| Max. acoustical noise          | 18.1 dB(A)               |
| Max. static pressure           | 1.08 mm H <sub>2</sub> O |