

# NF-A20 FLX

# Noctua NF-A20 FLX Premium Fan



The NF-A20 FLX is a highly optimised, premium quality quiet 200mm fan. Featuring an AAO (Advanced Acoustic Optimisation) standard frame as well as sophisticated aerodynamic design measures such as Flow Acceleration Channels, the NF-A20 FLX brings the renowned quiet cooling performance of Noctua's award-winning A-series to the increasingly popular 20cm form factor. The FLX version provides 800/550rpm speed settings via the supplied Low-Noise Adaptor in order to provide full flexibility in fine-tuning the fan for maximum ventilation performance or near-silent operation. Its superb running smoothness, reference-class SSO2 bearing and Noctua's trusted premium quality make the NF-A20 FLX an elite choice for the highest demands.

#### 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 FLX 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 FLX 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 FLX.\*

#### 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.

#### Flow Acceleration Channels

The NF-A20 FLX 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.

#### 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.

#### 2 speed settings for full flexibility

Providing 800 and 550rpm speed settings via the supplied Low-Noise Adaptor, the NF-A20 FLX (Flexibility) can be fine-tuned for superior airflow or maximum quietness.

#### Smooth Commutation Drive 2

The latest version of Noctua's advanced Smooth Commutation Drive system ensures superb running smoothness by eliminating torque variations and switching noises. This makes the NF-A20 FLX remarkably quiet even at very close distance.

#### 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 the supplied 3:4 pin adaptor allows to connect the fan directly to the power supply.

#### 6-year manufacturer's warranty

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

*\*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 FLX is 30mm thick whereas some other 200mm fans are only 20mm!) in order to verify that the NF-A20 FLX is compatible with your chassis. In case of doubt, please contact our customer support (support@noctua.at).*

### LOGISTICAL DATAS

Product Labeling  
**Noctua NF-A20 FLX**  
 EAN-No.  
 901001810002-0  
 UPC-No.  
 84150111002-3  
 Dimensions (HxWxD)  
**285 x 285 x 38 mm**  
 Weight  
**705 gr**  
 Warranty  
**6 Years**  
 MSPR  
**29.95 USD**  
 Packaging Unit  
**10 Pcs.**  
 Dimensions / Unit (HxWxD)  
**315 x 300 x 420 mm**  
 Weight / Unit  
**8.1 kg**

### SCOPE OF DELIVERY

NF-A20 FLX Premium Fan  
 Low-Noise Adaptor (L.N.A.)  
 30cm extension cable  
 3:4 pin adaptor  
 4x NA-AV3 anti-vibration mounts  
 4x NA-AV4 anti-vibration mounts  
 4x fan screws



### SPECIFICATIONS

Size	200 x 200 x 30 mm	
Bearing	SSO2	
Connector	3-Pin	
Blade geometry	A-Series with Flow Acceleration Channels	
Max. input power / operating voltage	0.96W / 12V	
MTBF	> 150.000 h	

NF-A20 FLX	w/o adaptor	with L.N.A.
Max. rotational speed (+/-10%)	800 RPM	550 RPM
Max. airflow	146.9 m³/h	100.8 m³/h
Max. acoustical noise	18.1 dB(A)	10.7 dB(A)
Max. static pressure	1.08 mm H <sub>2</sub> O	0.51 mm H <sub>2</sub> O

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 6000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are serving hundreds of thousands of satisfied customers around the globe.