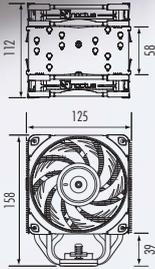


# Noctua NH-U12A U-Type Premium Cooler

# NH-U12A



The NH-U12A is the latest, 5th generation of Noctua's award-winning NH-U12 series of 120mm size premium-quality quiet CPU coolers. Conceived to push the envelope of the 120mm form factor, it combines two of Noctua's flagship model NF-A12x25 PWM 120mm fans with a completely redesigned heatsink featuring 7 heatpipes and an increased fin surface area for superior heat dissipation. This way, the NH-U12A can rival the performance of many 140mm size coolers while offering 120mm class case and PCIe compatibility. Topped off with the trusted, pro-grade SecuFirm2™ multi-socket mounting system, Noctua's proven NT-H1 thermal compound and a full 6-year manufacturer's warranty, the NH-U12A is a deluxe choice that combines top-tier performance with excellent compatibility and outstanding quietness of operation.

#### Award-winning NH-U12 series

First introduced in 2005, Noctua's NH-U12 series has won more than 600 awards and recommendations from leading international hardware websites and magazines. The NH-U12A is the latest addition to this prestigious series that has established itself as a benchmark for premium-quality quiet 120mm coolers.

#### 140mm performance in 120mm size

Thanks to its completely revised, thoroughly optimised 7 heatpipe layout, 37% more fin surface area (as compared to the NH-U12S) and a dual fan push/pull configuration that uses the new, state-of-the-art NF-A12x25 fans, the NH-U12A pushes the performance envelope in the 120mm class and can actually match or even outperform many 140mm sized coolers.

#### Dual NF-A12x25 120mm fans

The NF-A12x25 is a highly optimised next-generation 120mm fan that integrates Noctua's latest innovations in aerodynamic engineering in order to achieve an unprecedented level of quiet cooling performance. Using this elite-class fan in a push/pull dual fan configuration is one of the cornerstones of the NH-U12A's commanding performance and acoustic efficiency.

#### PWM support and Low-Noise Adaptor

The NF-A12 120mm fans supplied with the NH-U12A support PWM for convenient automatic speed control through the motherboard: Full performance under load, virtually silent at idle! In addition, maximum fan speed can be reduced from 2000 to 1700rpm using the supplied Low-Noise Adaptors for even quieter operation.

#### SecuFirm2™ mounting system

Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and easy installation. Supporting Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) and LGA20xx (LGA2066, LGA2011-0, LGA2011-3), as well as AMD AM4, AM3(+), AM2(+), FM2(+) and FM1, the SecuFirm2™ mounting included with the NH-U12A is straightforward to install, provides perfect contact pressure and will stand the test of time even under heavy use.

#### 6 years warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A12x15 features an MTTF rating of more than 150,000 hours and the entire NH-U12S package comes with a full 6-year manufacturer's warranty.

#### COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2066, LGA2011-0 & LGA2011-3 (Square ILM), LGA1150, LGA1151, LGA1155, LGA1156 & AMD AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+ (backplate required)
Dimensions without 2x NF-A12x25 PWM	158x125x58 mm
Dimensions with 2x NF-A12x25 PWM	158x125x112 mm
Weight without 2x NF-A12x25 PWM	760 g
Weight with 2x NF-A12x25 PWM	1220 g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x15 mm & 120x120x25 mm

#### FAN SPECIFICATIONS

##### Noctua NF-A12x25 PWM

Dimensions	120x120x25 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade geometry / Frame technology	A-Series with Flow Acceleration Channels / AAO Frame	
Max. input power / Voltage range	1.68 W / 12 V	
MTTF	> 150,000 h	
NF-A12x25 PWM	without adaptor	with L.N.A.
Max. rotation speed (+/-10%)	2000 RPM	1700 RPM
Max. airflow	102.1 m³/h	84.5 m³/h
Max. acoustical noise	22.6 dB(A)	18.8 dB(A)
Max. static pressure	2.34 mmH2O	1.65 mmH2O

#### LOGISTIC DATA

Product name

Noctua NH-U12A

EAN

9010018000160

UPC

841501100161

Dimensions (HxWxD)

216 x 177 x 170 mm

Weight

1860 g

Warranty

6 years

MSPR

99.90 USD / EUR

Packaging unit

8 pcs

Dimensions / Unit (HxWxD)

475 x 376 x 378 mm

Weight / Unit

15.98 kg

#### SCOPE OF DELIVERY

1x NH-U12A heatsink

2x NF-A12x25 PWM 120mm fan

1x SecuFirm2™ mounting system

1x NT-H1 high-grade thermal compound

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

1x 4-pin PWM y-cable