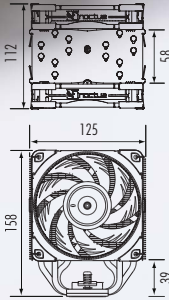# Noctua NH-U12A
U-Type Premium Cooler

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.

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 LowNoise Adaptors for even quieter operation.

6 years warranty
Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A12x25 features an MTTF rating of more than 150,000 hours and the entire NH-U12A package comes with a full 6-year manufacturer's warranty.

LOGISTIC DATA

Product name	Noctua NH-U12A
EAN	9010018000160
UPC	841501100161
Packaging dimensions (HxWxD)	216x177x170 mm
Weight incl. packaging	1860 g
Warranty	6 years
Packaging unit	8 pcs
Packaging dimensions / unit (HxWxD)	475x376x378 mm
Weight incl. packaging / unit	15.98 kg

SCOPE OF DELIVERY

NH-U12A Heatsink
2x NF-A12x25 PWM premium fan
2x Low-Noise Adaptor (L.N.A.)
4-pin PWM y-cable
NT-H1 thermal compound
SecuFirm2™ mounting kit

NH-U12A HEATSINK SPECIFICATIONS

Socket compatibility	Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156), LGA1200, LGA1700 (LGA17xx family), LGA20xx (LGA2066, LGA2011-0 & LGA2011-3 Square ILM) & AMD AM2, AM2+, AM3, AM3+, AM4, FM1, FM2, FM2+ (backplate required)
Dimensions	158x125x58 mm
Dimensions with 2x NF-A12x25 PWM	158x125x112 mm
Weight	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

NF-A12x25 PWM FAN SPECIFICATIONS

Dimensions	120x120x25 mm
Connector	4-pin PWM
Bearing	SSO2
Blade geometry	A-Series with Flow Acceleration Channels
Frame technology	AAO
Max. input power	1.68 W
Voltage	12 V
MTTF	> 150,000 h

NF-A12x25 PWM	without adaptor	with L.N.A.
Max. rotational 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 mm H_2O	1.65 mmH_2O

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