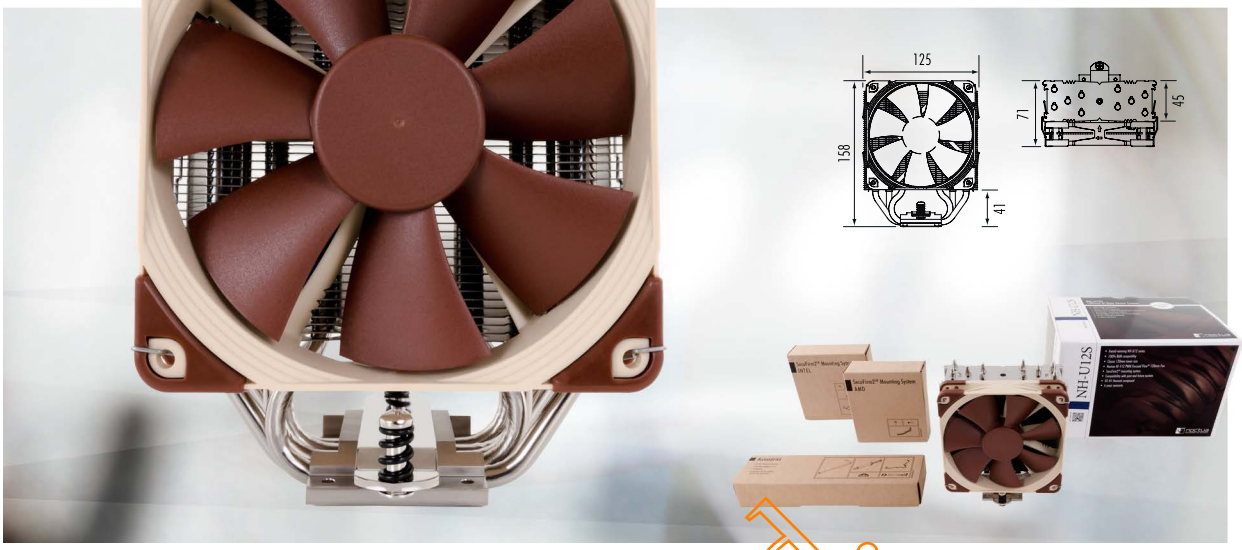
NH-U12S

Noctua NH-U12S
U-Type Premium Cooler



The NH-U12S is the latest 12cm model of Noctua's classic U-series single tower CPU coolers, which have received more than 400 awards and recommendations from the international press. The S-version's 45mm slim shape guarantees 100% compatibility with tall RAM modules and at the same time, its fine-tuned design and the class-leading NF-F12 FocusedFlow™ fan with PWM support for fully automatic speed control allow it to further improve its predecessor's renowned quiet cooling performance. Topped off with the trusted, pro-grade SecuFirm2™ multi-socket mounting system, Noctua's proven NT-H1 thermal compound and full 6 years manufacturer's warranty, the NH-U12S is a complete premium quality solution that combines outstanding performance, quiet operation and excellent compatibility.

Award-winning NH-U12 series

The NH-U12S is the latest version of Noctua's award-winning NH-U12 coolers. First introduced in 2005, the NH-U series has become a standard choice for premium quality quiet CPU coolers and won more than 400 awards and recommendations from leading international hardware websites and magazines.

NF-F12 120mm Focused Flow™ fan

Recommended by more than 150 hardware publications and thousands of enthusiasts world-wide, the Noctua's premium quality NF-F12 Focused Flow™ 120mm fan is renowned to combine superb static pressure, excellent heatsink performance and surprising quietness of operation.

Anti-vibration pads and fan-clips for second NF-F12 (optional)

For users who want to achieve even better performance by adding a second, optional NF-F12 fan to create a push/pull setup, the NH-U12S includes fan clips and an extra set of custom-designed anti-vibration pads that allow to off-set the rear fan by 5mm to improve acoustics in dual-fan mode.

SecuFirm2™ mounting system

Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and ease of use. Supporting Intel LGA115x (LGA1150, LGA1155, LGA1156), LGA2011 and AMD (AM3+, AM2+, FM1, FM2), the SecuFirm2™ mounting included with the NH-U12S guarantees perfect contact pressure and maximum convenience on all current sockets.

100% RAM compatibility

Thanks to its slim design with only 45mm fin depth, the NH-U12S will not overhang the RAM slots even with two fans installed. This gives the user full access to the memory modules on all current CPU sockets and guarantees 100% compatibility with tall heatspreaders or optional memory fans.

PWM support and Low-Noise Adaptor

The NF-F12 120mm fan supplied with the NH-U12S supports PWM for convenient automatic speed control through the mainboard. In addition, the maximum fan speed can be reduced from 1500 to 1200rpm using the supplied Low-Noise Adaptor 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-F12 features an MTBF rating of more than 150.000 hours and the entire NH-U12S package comes with a full 6 years manufacturer's warranty.

COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2011 (Square ILM)
	Intel LGA1156, LGA1155, LGA1150
	AMD AM2, AM2+, AM3, AM3+, FM1, FM2
Dimensions	158x125x45mm
Dimensions with NF-F12 PWM	158x125x71mm
Weight	580g
Weight with NF-F12 PWM	755g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x25mm

FAN SPECIFICATIONS

Noctua NF-F12 PWM

Dimensions	120x120x25 mm
Connector	4-pin PWM
Bearing	SSO2-Bearing
Blade Geometry / Frame Technology	Heptaperf™ / Focused Flow™
Max. Input Power / Volate Range	0.6 W / 12 V
MTBF	> 150.000 h

NF-F12 PWM	Fan without Adapter	with L.N.A.
Max. Rotational Speed (+/-10%)	1500 RPM	1200 RPM
Max. Airflow	93.4 m^3/h	74.3 m^3/h
Max. Acoustical Noise	22.4 dB(A)	22.4 dB(A)
Max. Static Pressure	2.61 mmH_2O	1.83 mmH_2O

LOGISTIC DATA

Product Name
Noctua NH-U12S

EAN-No.
4716123314943

UPC-No.
842431014306

Dimensions (HxWxD)
158 x 125 x 45 mm

Weight
580 gr

Warranty
6 Years

MSPR
59.90 EUR

Packaging Unit
12 Pcs

Dimensions / Unit (HxWxD)
445 x 355 x 470 mm

Weight / Unit
18.60 kg

SCOPE OF DELIVERY

- 1x NH-U12S Heatsink
- 1x NF-F12 PWM Premium fan
- 1x SecuFirm2™ Mounting Kit
- 1x NT-H1 high-grade thermal compound
- 1x Low-Noise Adapter (L.N.A.)
- 1x Installation-kit for optional second NF-F12 Premium fan

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DESIGNED IN AUSTRIA

Designed in Austria, Noctua's premium cooling components are internationally renowned for their superb quietness, exceptional performance and thoroughgoing quality. Having received more than 3000 awards and recommendations from leading hardware websites and magazines, Noctua's fans and heatsinks are chosen by more than a hundred thousand satisfied customers around the globe.

www.noctua.at