

# NH-U12S

## Noctua NH-U12S U-Type Premium Cooler



### LOGISTIC DATA

|                                     |                |
|-------------------------------------|----------------|
| Product name                        | Noctua NH-U12S |
| EAN                                 | 4716123314943  |
| UPC                                 | 842431014306   |
| Packaging dimensions (HxWxD)        | 142x212x169 mm |
| Weight incl. packaging              | 1300 g         |
| Warranty                            | 6 years        |
| Packaging unit                      | 12 pcs         |
| Packaging dimensions / unit (HxWxD) | 460x440x355 mm |
| Weight incl. packaging / unit       | 16.60 kg       |

### SCOPE OF DELIVERY

|                                              |
|----------------------------------------------|
| NH-U12S Heatsink                             |
| NF-F12 PWM premium fan                       |
| NA-RC6 Low-Noise Adaptor (L.N.A.)            |
| NT-H1 high-grade thermal compound            |
| SecuFirm2™ mounting kit                      |
| Anti-vibration pads and fan clips for NF-F12 |
| Noctua metal case badge                      |

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 Focused Flow 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.

#### Classic 120mm tower size for excellent overall compatibility

Standing 158mm tall, the NH-U12S is short enough to fit most modern mid- or high-end tower cases. Measuring 125mm wide (including fan and fan clips), the cooler stays clear of the top PCIe slot on most standard ATX or Micro-ATX motherboards, ensuring optimum compatibility with multi-GPU setups.

#### PWM support and Low-Noise Adaptor

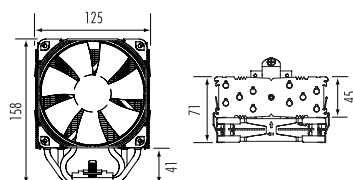
The NF-F12 120mm fan supplied with the NH-U12S supports PWM for convenient automatic speed control through the motherboard. In addition, the maximum fan speed can be reduced from 1500 to 1200rpm using the supplied Low-Noise Adaptor for even quieter operation.

#### 6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-F12 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.

### NH-U12S HEATSINK SPECIFICATIONS

|                            |                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------|
| Socket compatibility       | AMD AM4, AM5 & Intel LGA1851, LGA1700, LGA1200, and LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) |
| Dimensions                 | 158x125x58 mm                                                                                    |
| Dimensions with NF-F12 PWM | 158x125x112 mm                                                                                   |
| Weight                     | 760 g                                                                                            |
| Weight with NF-F12 PWM     | 1220 g                                                                                           |
| Material                   | Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating         |
| Fan compatibility          | 120x120x15 mm & 120x120x25 mm                                                                    |



### NF-F12 PWM FAN SPECIFICATIONS

|                                |                 |             |
|--------------------------------|-----------------|-------------|
| Dimensions                     | 120x120x25 mm   |             |
| Connector                      | 4-pin PWM       |             |
| Bearing                        | SS02            |             |
| Blade geometry                 | Heptaperf™      |             |
| Frame technology               | Focused Flow™   |             |
| Max. input power               | 0.6 W           |             |
| Voltage                        | 12 V            |             |
| MTTF                           | > 150,000 h     |             |
| NF-F12 PWM                     | without adaptor | with L.N.A. |
| Max. rotational speed (+/-10%) | 1500 RPM        | 1200 RPM    |
| Max. airflow                   | 93.4 m³/h       | 74.3 m³/h   |
| Max. acoustical noise          | 22.4 dB(A)      | 22.4 dB(A)  |
| Max. static pressure           | 2.61 mmH₂O      | 1.83 mmH₂O  |

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 chosen by more than a hundred thousand satisfied customers around the globe.

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