

# NH-D9L

## Noctua NH-D9L D-Type Tower Cooler



The NH-D9L is a premium grade dual tower CPU cooler that has been designed to provide excellent quiet cooling performance at a height of only 110mm. Its comparably low profile (15mm lower than classic 9cm tower coolers such as the NH-U9S) doesn't only guarantee full 3U compliance but also makes the NH-D9L ideal for compact HTPC and Small Form Factor cases that have airflow paths parallel to the mainboard. Thanks to its 95x95mm footprint, the NH-D9L clears the RAM and PCIe slots on all Intel based and most AMD based ITX mainboards. The included NF-A9 premium fan supports automatic speed control via PWM for outstanding quietness of operation and a second, optional NF-A9 fan can be added for further improved performance in dual fan mode. 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-D9L forms a highly compact premium package for space-restricted applications.

### Low-profile tower design for better airflow efficiency

While most low-profile coolers blow air towards the motherboard, the NH-D9L is a tower style cooler that bows parallel to the mainboard, which allows for superior airflow efficiency in cases with front intake and rear exhaust fans that create an airflow path parallel to the mainboard.

### 3U compatibility

Whereas classic 9cm coolers with up to 125mm height fit 4U rack mount cases, the NH-D9L's reduced height of 110mm allows it to also fit 3U chassis. This makes it ideal for noise-sensitive 3U applications in fields such as audio or video processing.

### 100% compatibility with PCIe cards on mini-ITX

Many Intel LGA115x based mini-ITX mainboards have the PCIe slot sitting right next to the 95x95mm socket zone. While larger coolers that exceed this zone are likely to block the PCIe slot, the 95x95mm sized NH-D9L provides full compatibility with PCIe cards, be it on ATX, microATX or ITX.

### 6-year manufacturer's warranty

Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-A9's feature an MTTF rating of more than 150,000 hours and the entire NH-D9L package comes with a full 6-year manufacturer's warranty.

### NH-D9L HEATSINK SPECIFICATIONS

|                           |                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| Socket compatibility      | AMD AM4, AM5 & Intel LGA1851, LGA1700, LGA1200, and LGA115x (LGA1150, LGA1151, LGA1155, LGA1156) |
| Dimensions                | 110x95x95 mm                                                                                     |
| Dimensions with NF-A9 PWM | 110x95x95 mm                                                                                     |
| Weight                    | 428 g                                                                                            |
| Weight with NF-A9 PWM     | 531 g                                                                                            |
| Material                  | Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating         |
| Fan compatibility         | 92x92x25 mm                                                                                      |

### NF-A9 PWM FAN SPECIFICATIONS

|                                |                                          |                         |
|--------------------------------|------------------------------------------|-------------------------|
| Dimensions                     | 92x92x25 mm                              |                         |
| Connector                      | 4-pin PWM                                |                         |
| Bearing                        | SS02                                     |                         |
| Blade geometry                 | A-Series with Flow Acceleration Channels |                         |
| Frame technology               | AAO                                      |                         |
| Max. input power               | 1.2 W                                    |                         |
| Voltage                        | 12 V                                     |                         |
| MTTF                           | > 150,000 h                              |                         |
| NF-A9 PWM                      | without adaptor                          | with L.N.A.             |
| Max. rotational speed (+/-10%) | 2000 RPM                                 | 1550 RPM                |
| Max. airflow                   | 78.9 m³/h                                | 62.6 m³/h               |
| Max. acoustical noise          | 22.8 dB(A)                               | 16.3 dB(A)              |
| Max. static pressure           | 2.28 mmH <sub>2</sub> O                  | 1.53 mmH <sub>2</sub> O |

### LOGISTIC DATA

Product name

Noctua NH-D9L

EAN

4716123315582

UPC

842431012487

Packaging dimensions (HxWxD)

179x179x156 mm

Weight incl. packaging

1100 g

Warranty

6 years

Packaging unit

12 pcs

Packaging dimensions / unit (HxWxD)

404x496x384 mm

Weight incl. packaging / unit

14.50 kg

### SCOPE OF DELIVERY

NH-D9L Heatsink

NF-A9 PWM premium fan

NA-RC7 Low-Noise Adaptor (L.N.A.)

NT-H1 high-grade thermal compound

SecuFirm2™ mounting kit

Fan-clips for second NF-A9

Noctua metal case-badge