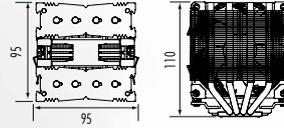


# Noctua NH-D9L D-Type Tower Cooler

# NH-D9L



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.

### NF-A9 premium fan

The highly optimised NF-A9 premium fan features Noctua's proprietary AAO frame as well as sophisticated aerodynamic design measures such as Flow Acceleration Channels, which allows it to further improve the renowned efficiency of Noctua's previous 92mm models and contributes to the NH-D9L's superior cooling performance.

### Dual fan ready

The NH-D9L includes an extra set of fan mounting clips for users who want to achieve even better cooling performance by adding a second, optional NF-A9 to the front fin stack. Using the y-cable supplied with the NF-A9 PWM retail fan, both fans can be connected to one CPU fan header.

### SecuFirm2™ mounting system

Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and ease of use. Supporting Intel LGA115x (LGA1150, LGA1151, LGA1155, LGA1156), LGA2011 and AMD (AM3(+), AM2(+), FM1, FM2(+)), the SecuFirm2™ mounting included with the NH-D9L guarantees perfect contact pressure and maximum convenience on all current sockets.

### PWM support and Low-Noise Adaptor

The NF-A9 92mm fan supplied with the NH-D9L supports PWM for convenient automatic speed control through the mainboard. In addition, the maximum fan speed can be reduced from 2000 to 1550rpm using the supplied Low-Noise Adaptor for even quieter operation.

### COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2011-0, LGA2011-3, LGA115x (LGA115, LGA1151, LGA1155, LGA1156) & AMD AM2(+), AM3(+), FM1, FM2(+)-backplate required
Dimensions	110x95x95 mm
Dimensions with NF-A9PWM	110x95x95mm
Weight / Weight with NF-A9 PWM	428g / 531g
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	92x92x25 mm

### FAN SPECIFICATIONS

#### Noctua NF-A9 PWM

Dimensions	92x92x25 mm	
Connector	4-pin PWM	
Bearing	SS02-Bearing	
Blade Geometry / Frame Technology	Focused Flow™ / AAO™	
Max. Input Power / Volate Range	1.2 W / 12 V	
MTBF	> 150.000 h	

NF-A9 PWM	Fan 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-No.	4716123315582
UPC-No.	842431012487
Dimensions (HxWxD)	118 x 115 x 118 mm
Weight	1198 gr
Warranty	6 Years
MSPR	49.90 EUR
Packaging Unit	12 Pcs
Dimensions / Unit (HxWxD)	490 x 380 x 390 mm
Weight / Unit	15.9 kg

### SCOPE OF DELIVERY

NH-D9L heatsink
NF-A9 PWM premium fan
Low-Noise Adaptor (L.N.A.)
NT-H1 high-grade thermal compound
SecuFirm2™ Mounting Kit
Installation-kit for second NF-A9 fan (optional)