

NH-L12

Noctua NH-L12 L-Type Premium Cooler



LOGISTICAL DATAS

Product Labeling	Noctua NH-L12
EAN-No.	471612331465-3
UPC-No.	84243101401-6
Dimensions (HxWxD)	193 x 183 x 140 mm
Weight	1.360 gr
Warranty	6 Years
MSPR	49.90 EUR
Packaging Unit	12 Pcs.
Dimensions / Unit (HxWxD)	500 x 385 x 323 mm
Weight / Unit	18.10 kg

SCOPE OF DELIVERY

1x NF-F12 PWM premium fan
1x NF-B9 PWM premium fan
2x Low-Noise Adaptor (L.N.A.)
Y-Split Cable
NT-H1 high-grade thermal compound
SecuFirm2™ Mounting Kit
Mini-ITX Mounting-Kit

The NH-L12 is a low-profile quiet cooler designed for use in small form factor cases and HTPC environments. With its flexible NF-F12 (120mm) / NF-B9 (92mm) dual PWM fan setup, the NH-L12 can be configured either for full performance in dual fan mode or extra-low profile (66mm) with the top fan removed. Bundled with the award-winning NT-H1 thermal compound and Noctua's SecuFirm2™ multi-socket mounting system, the NH-L12 packs everything a premium quality quiet cooler needs into a highly compact package.

120/92mm dual fan design

Tens of thousands of enthusiast users all over the world swear by the NH-D14's quality and performance. Recommended by more than 250 international hardware websites and magazines, it is renowned to be one of the best high end coolers on the market.

Extra-low profile in 92mm single-fan mode

The NH-L12 can be used with the NF-B9 92mm fan only in order to reduce the overall height to 66mm. This way, the cooler is suitable for many typical μ ATX or Mini-ITX enclosures and ideal for whisper-quiet HTPC systems.

PWM support and Low-Noise Adaptors

The NH-L12's NF-F12 and NF-B9 fans support PWM for convenient automatic speed control. In addition, the maximum fan speed can be reduced to 1200/1300rpm using the supplied Low-Noise Adaptors for even quieter operation.

SecuFirm2™ mounting system

Noctua's enthusiast grade SecuFirm2™ multi-socket mounting provides broad socket compatibility (LGA 2011, LGA1366, LGA1156, LGA1155, LGA775, AM2, AM2+, AM3, AM3+, FM1) and meets the highest demands in safety, performance and ease-of-use.

Mini-ITX mounting without backplate

Some Intel based Mini-ITX mainboards don't allow for the installation of backplates. The NH-L12 thus comes with an extra set of Intel mounting bolts which make it possible to install the cooler without using the SecuFirm2™ backplate.

NT-H1 thermal compound

Noctua's much-acclaimed NT-H1 is a well proven pro-grade TIM solution that provides minimum thermal resistance, excellent ease-of-use and outstanding reliability.

COOLER SPECIFICATIONS

Socket compatibility	Intel LGA2011, LGA1366, LGA1156, LGA1155, LGA775 & AMD AM2, AM2+, AM3, AM3+, FM1 (backplate required)
Weight (with fan)	415g (680g with NF-F12 PWM & NF-B9)
Material	Copper (base and heat-pipes), aluminium (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x25mm & 92x92x25mm

FAN SPECIFICATIONS

Noctua NF-F12 PWM

Size	120 x 120 x 25 mm	
Connector	4-pin PWM	
Bearing	SS02	
Blade Geometry / Frame Technology	Heptaperf™ / Focused Flow™	
Input Power / Voltage Range	0.6 W / 12 V	
MTBF	> 150.000 h	

NF-F12 PWM	Fan	with L.N.A.
Max. Rotational Speed +/-10%	1500 (PWM 300) RPM	1200 RPM
Max. Airflow	93.4 m³/h	74.3 m³/h
Max. Acoustical Noise	22.4 dB(A)	18.6 dB(A)
Max. Static Pressure	2.61 mmH ₂ O	1.83 mmH ₂ O

Noctua NF-B9 PWM

Size	92 x 92 x 25 mm	
Connector	4-pin PWM	
Bearing	SS0-Bearing	
Blade Geometry	NF-B9 Blade Design	
Input Power / Voltage Range	0.96 W / 12 V	
MTBF	> 150.000 h	

NF-B9 PWM	Fan	with L.N.A.
Max. Rotational Speed +/-10%	1600 (PWM 300) RPM	1300 RPM
Max. Airflow	64.3 m³/h	52.6 m³/h
Max. Acoustical Noise	17.6 dB(A)	13.1 dB(A)
Max. Static Pressure	1.61 mmH ₂ O	1.09 mmH ₂ O