



Alpine 12

Compact Intel CPU Cooler

- Improved cooling performance by new production process
- Wide RPM Range
- Lower power consumption and less vibrations with new motor technology
- Extended life span thanks to low coil temperature
- Pre-applied MX-2 thermal paste
- Easy and tool-free installation



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The ARCTIC **Alpine 12** is a compact cooling solution for Intel® CPU Socket 1200, 115X and recommended for CPU with a TDP up to 95 W.

A new production process of the extruded radial heatsink improves the cooling performance.

With high-quality bearings and a newly developed motor, the fan is very quiet, efficient and durable.

Specifications

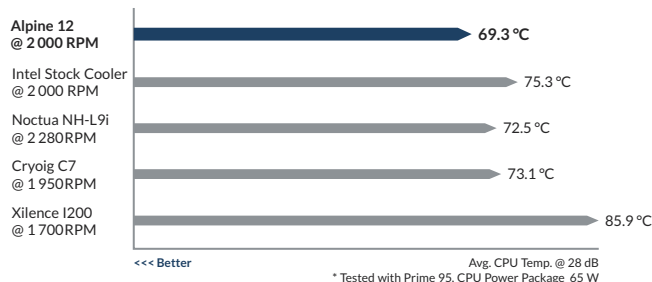
Heatsink	Radial Heatsink
Material	Aluminium
Thermal Compound	Pre-applied MX-2
Fan	92 mm, 100 - 2 000 RPM (Controlled by PWM)
Bearing	Fluid Dynamic Bearing
Noise Level (at max. RPM)	0.3 Sone
Current/Voltage	0.06 A/12 V
Recommended for TDP up to	95 W
Dimensions*	95 (L) x 95 (W) x 77 (H) mm
Weight	270 g
Socket Compatibility	Intel® 1200, 115X

*Installation height: 66 mm

Top-Notch Price-Performance Ratio

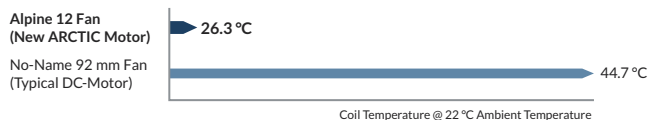
Thanks to its radial heat sink and good fan design, the Alpine 12 offers a lot of performance at a very low price point.

In internal tests leveled to 28 dB, the cooling performance of the Alpine 12 exceeded the competition, in some cases by more than 10°C.*



Extended Life Span

A 10 °C lower motor temperature roughly doubles the life span of a fan. The new ARCTIC motor has a four times longer service life through its low coil temperature.

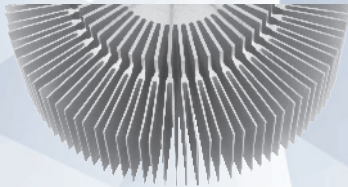


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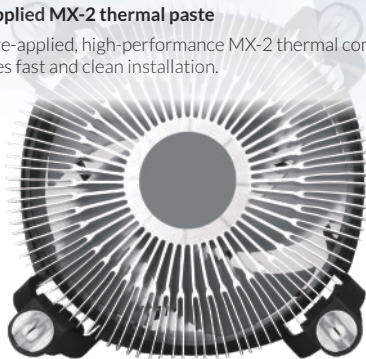
Improved Cooling Performance by New Production Process

The high thermal conductivity of aluminum is fully retained by a new type of extrusion. This new production process creates a powerful yet very compact radial heat sink. The particularly thin cooling fins of the new Alpine are fanned out in a Y-shape. This increases the surface area of the heat sink and therefore the cooling capacity.



Pre-applied MX-2 thermal paste

The pre-applied, high-performance MX-2 thermal compound ensures fast and clean installation.



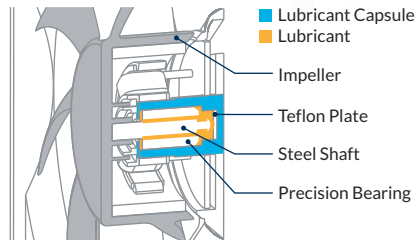
Wide RPM Range

The Alpine 12 series features a new motor technology with a very wide, PWM-controlled RPM range. This keeps the noise level at a minimum while guaranteeing maximum cooling performance when needed.



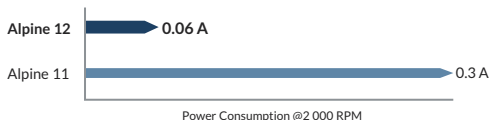
High Quality Bearing

Thanks to an alloy/lubricant combination developed in Germany, friction within the bearing is reduced and greater efficiency is achieved. As a result, there is less heat development as well as less bearing noise, which means you can enjoy a longer service life from your fan.



Lower Power Consumption & Minimum Vibration

The new Alpine 12 is powered by an updated motor and runs much more efficiently than its predecessors. Due to sinus-magnetizing the new motor creates just 5% of the commutation oscillations of a regular DC-motor. These factors contribute towards saving energy, lowering the coil temperature and reducing vibrations to a minimum without compromising performance.



Easy and tool-free installation

Thanks to the push pins, the installation is really easy. Additional tools are not needed to install the cooler.

