



Alpine 12 CO

Compact Intel CPU Cooler for Continuous Operation

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



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The ARCTIC **Alpine 12 CO** is a compact cooling solution for Intel® CPU Socket 1200, 115X and recommended for CPU with a TDP up to 100 W.

Thanks to its japanese dual ball bearing, the ARCTIC **Alpine 12 CO** is optimised for continous operation.

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

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

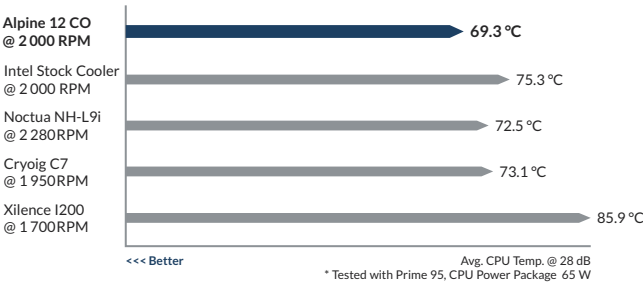
Specifications	
Heatsink	Radial Heatsink
Material	Aluminium
Thermal Compound	Pre-applied MX-2
Fan	92 mm, 100 - 2 700 RPM (Controlled by PWM)
Bearing	Dual Ball Bearing
Noise Level (at max. RPM)	0.5 Sone
Current/ Voltage	0.09 A/12 V
Recommended for TDP up to	100 W
Dimensions*	95 (L) x 95 (W) x 77 (H) mm
Weight	270 g
Socket Compatibility	Intel® 1200, 115X

* Installation height: 66 mm

Top-Notch Price-Performance Ratio

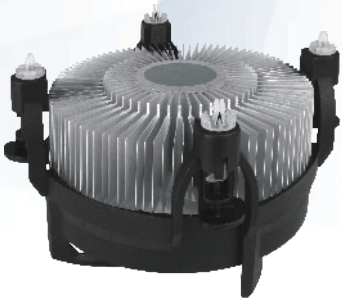
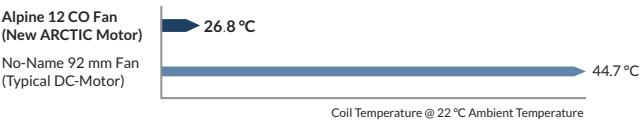
Thanks to its radial heat sink and good fan design, the Alpine 12 CO offers a lot of performance at a very low price point.

In internal tests leveled to 28 dB, the cooling performance of the Alpine 12 CO 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.

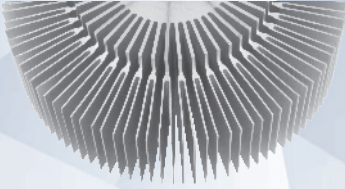


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Improved Cooling Performance by New Production Process

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.



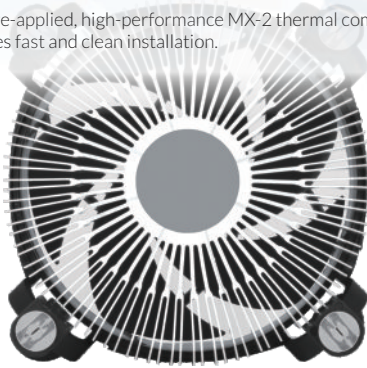
Wide RPM Range

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.



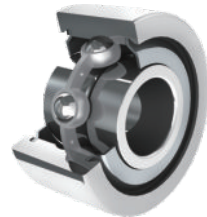
Pre-applied MX-2 thermal paste

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



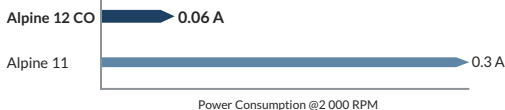
For Continuous Operation

The premium quality Japanese dual ball bearing allows continuous operation 24/7 without the slightest compromise in performance. Dust and high temperature are affecting this bearing a lot less than generic sleeve or one ball bearings and thus make it the perfect choice when reliability is essential.



Lower Power Consumption & Minimum Vibration

The new Alpine 12 CO 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.

