ComX Computers
Product Specification Sheet

CL-P022-AL12RE-A

Thermaltake Riing Silent 12 Red CPU Cooler

Product Overview

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Specifications

Overview:

The latest Riing Silent 12 CPU cooler is with PWM function, designed for use with high-end RAM and motherboards. A 120mm fan fitted to enhance the airflow produces impressive cooling performance with an optimized 11 fan-blade design. Hydraulic bearings for silent operation guarantee ultra-low noise. The patented LED ring maintains color and brightness uniformity, and the lighting effect is visible from all sides and angles.

Features:

Eleven Fan Blade Design
Eleven fan blades are engineered to create large volume of air passing through the heatsink at any angle and provide the best balance between silent and performance. Riing Silent 12 is with PWM function which allows the motherboard to run the fan precisely at its necessary speed. This guarantees the required cooling and minimizes the noise level.

Wind Blocker Frame
To achieve maximum cooling performance in all applications, the wind blocker frame is designed to direct airflow towards the middle section of the blade, thereby creating a compression effect and blocking any air from escaping. This special design reduces the blade's noise and vibration, creating a perfect balance between power and sound.

Patented Riing LED
The color and brightness uniformity of the patented LED ring is visible from all directions and adds style to the chassis.

Hydraulic Bearing Design
The hydraulic bearing self-lubricates with a high quality, friction-reducing substance that reduces operating noise and improves efficiency. The seal cap prevents leakage of the lubricant, and improves the lifespan of the unit.

Optimized Silent Operation
For acoustic test, Riing Silent 12 was tested in a semi-anechoic chamber which includes anti-vibration, sound-proof, and sound-absorbing effect. With a LNC (Low-Noise Cable), Riing Silent 12 can reduce the noise level by 29% from 18.8 dBA to

13.4 dBA, and 50% of fan speed.

Thermal Image Demonstrates for Heat Distribution
Riing Silent 12 delivers outstanding cooling performance, keeping the temperature between 30 degrees and 32.5 Degrees Celcius (ambient temperature is 20 Degrees Celcius) @Intel® Core™ i7-4770K 3.8GHz at full load.

Superior Heat Dissipation
Optimized 0.4mm thickness aluminum fins with 2.2mm air gap, and 4 x Ø6mm solid copper heat-pipes are designed for rapid heat dissipation, allowing maximum heat conductivity. The tower's side flow design delivers the best cooling performance. In addition, the heat-pipes are in continuous direct contact with the CPU to ensure fast and efficient heat dissipation.

Anti-Vibration Mounting Systems with Non-Interference Cooling
Anti-vibration rubber pads strengthen stability during operation and provide hassle-free usage for 80% protection coverage, including all four corners. And Riing Silent 12 solves the co-existing problem of high performance RAM and CPU coolers, achieving the best RAM clearance.

Specifications:

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Specifications	
Product Code	CL-P022-AL12RE-A
P/N	CL-P022-AL12RE-A
Compatibility	Intel LGA 2011-3/2011/1366/1156/1155/1151/1150/775
	AMD FM2/FM1/AM3+/AM3/AM2+/AM2
Heatsink Material	Aluminum Fins
	Copper Heatpipes
Heatpipe	?6mm x 4 pcs
Dimension	159 x 140 x 74 mm (H x W x L)
Fan Dimension	120 x 120 x 25 mm(L xW x H)
Fan quantity	1pcs
Fan Speed	500~1400 RPM
	300~700 RPM (with LNC)
Rated Voltage	12V
Start Voltage	9.0 V
Rated Current	0.21 A
Power Input	2.52 W
Air Flow	53 CFM
Air Pressure	1.23 mm-H2O
Acoustical Noise	18 +/-1 dBA
	13 +/-1 dBA (with LNC)
Life time/Fan Life time	40,000 hours

Pin Connector	4 pin PWM + LNC (Low-Noise Cable)
	50% fan speed and 29% noise can be reduced
Cooling Power	150 W
Weight	825 g

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx.co.za/CL-P022-AL12RE-A-Thermaltake-Riing-Silent-12-Red-CPU-Cooler-p-147698.php

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