

ARCTIC Freezer i35 CO

ARCTIC Freezer i35 CO CPU Cooler Instruction Manual

Model: Freezer i35 CO (ACFRE00095A)

Brand: ARCTIC

1. INTRODUCTION

The ARCTIC Freezer i35 CO is a high-performance tower CPU cooler designed specifically for Intel processors. It features a pressure-optimized 120 mm P-fan, four staggered heat pipes, and comes with pre-applied MX-5 thermal paste to ensure efficient heat dissipation and stable operation for high-end CPUs. This manual provides essential information for proper installation, operation, and maintenance of your CPU cooler.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or performing maintenance on any internal components.
- Handle components with care to avoid damage.
- Keep out of reach of children.
- Ensure proper grounding to prevent electrostatic discharge (ESD).

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x ARCTIC Freezer i35 CO CPU Cooler (with pre-mounted fan)
- 1x Metal Backplate
- 2x Mounting Modules (for Intel sockets)
- 4x Backplate Screws
- 4x Nylon Spacers
- 4x Rubber O-Rings
- 1x MX-5 Thermal Paste (0.8g syringe)



Image: The retail packaging for the ARCTIC Freezer i35 CO, showing the cooler, warranty information, and MX-5 thermal paste included.

4. COMPATIBILITY

The ARCTIC Freezer i35 CO is compatible with the following Intel CPU sockets:

- Intel Socket 1700
- Intel Socket 1200
- Intel Socket 115X (1150, 1151, 1155, 1156)

The cooler's compact design ensures unlimited RAM clearance, allowing for the use of memory modules with large heatsinks without obstruction.

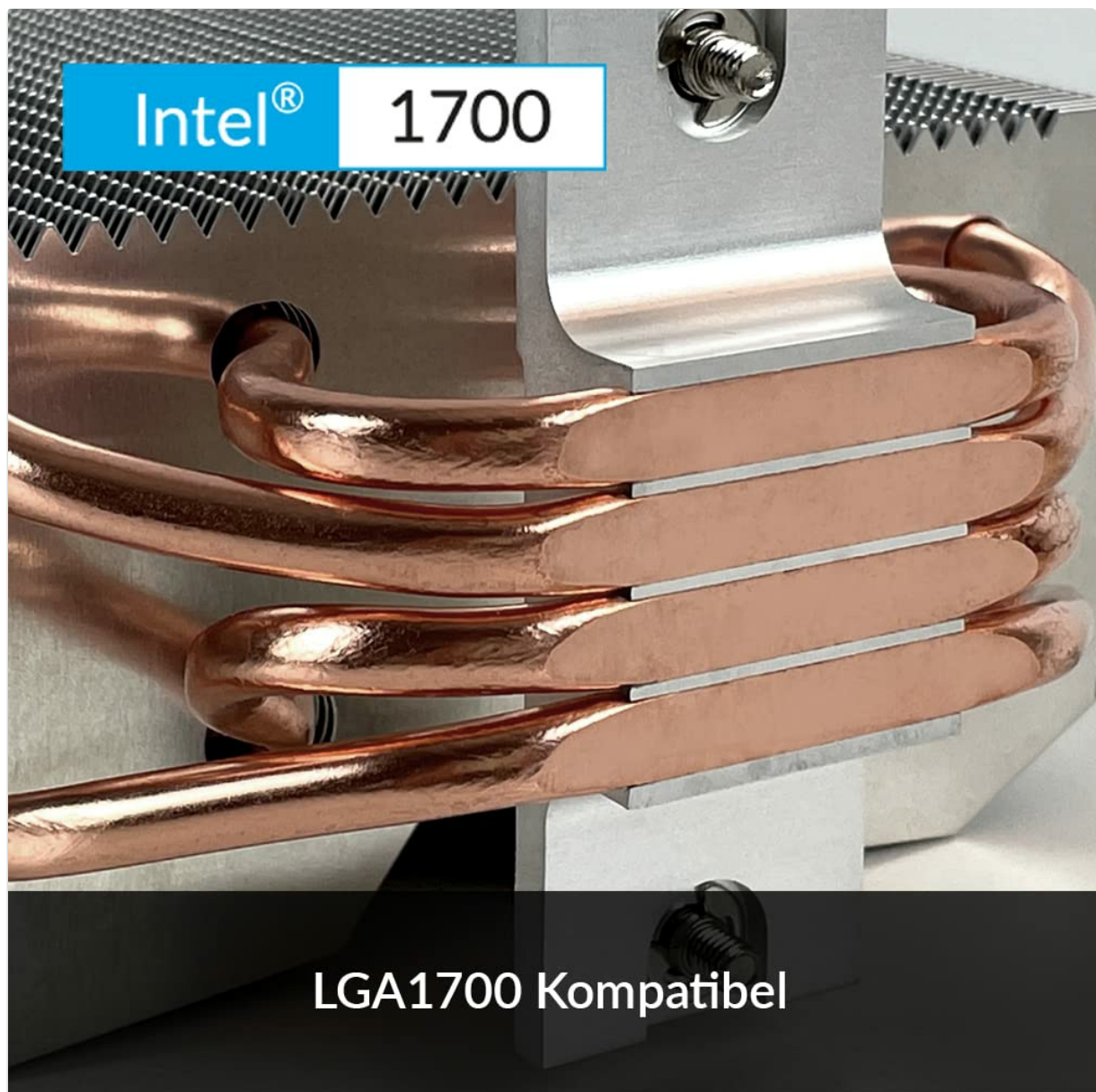


Image: Close-up view of the cooler's base and heat pipes, highlighting compatibility with Intel LGA1700 sockets.

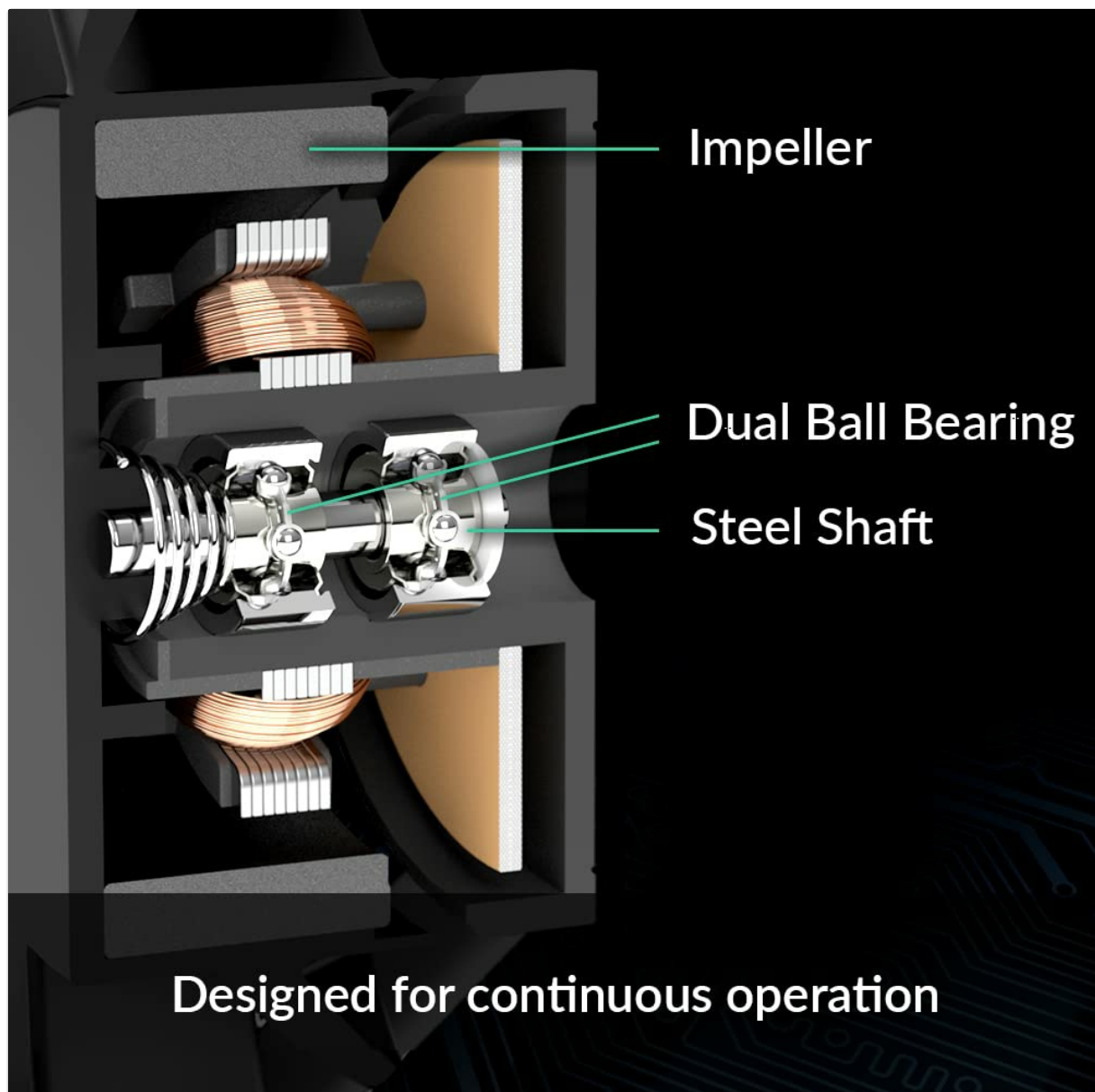


Image: Side view of the cooler installed on a motherboard, demonstrating ample clearance for RAM modules.

5. INSTALLATION GUIDE

Follow these steps to install your ARCTIC Freezer i35 CO CPU Cooler. For a visual guide, please refer to the official video instructions available at support.arctic.de/freezeri35co.

5.1. Preparation

1. Ensure your computer is powered off and unplugged from the wall outlet.
2. Open your computer case to access the motherboard.
3. If replacing an existing cooler, carefully remove it and clean any old thermal paste from the CPU surface using isopropyl alcohol.

5.2. Mounting the Backplate

1. Place the metal backplate on the rear side of the motherboard, aligning the holes with the CPU socket mounting holes.
2. From the front side of the motherboard, insert the four backplate screws through the mounting holes and the backplate.
3. Place a nylon spacer over each screw on the front side of the motherboard.

5.3. Applying Thermal Paste

The Freezer i35 CO includes a syringe of ARCTIC MX-5 thermal paste. Apply a small, pea-sized amount to the center of the CPU's integrated heat spreader (IHS). The pressure from the cooler will spread it evenly.

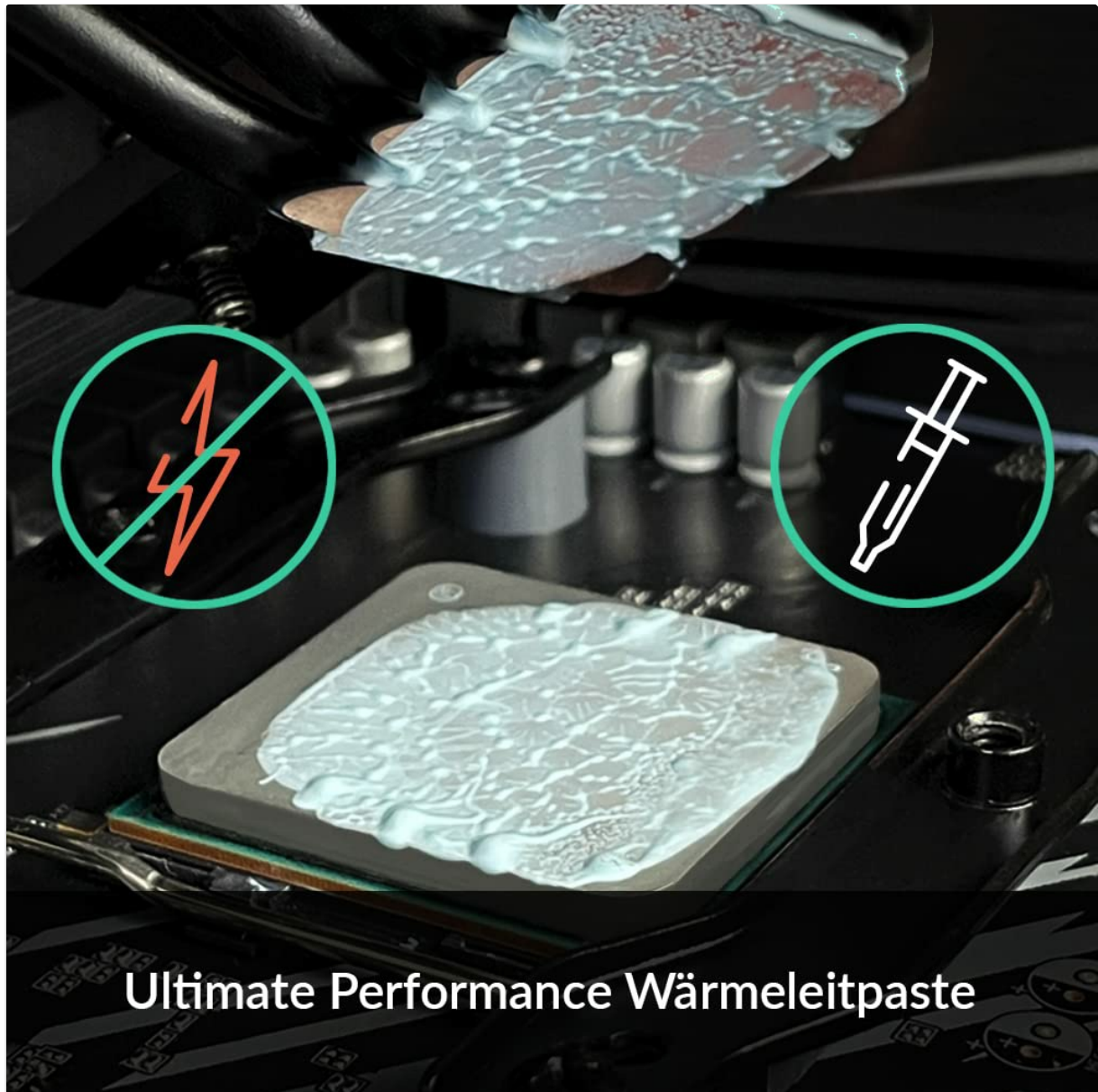


Image: Illustration of applying thermal paste to the CPU surface, emphasizing its non-conductive properties.

5.4. Mounting the Cooler

1. Attach the two mounting modules to the base of the cooler, ensuring they are securely fastened.
2. Carefully place the cooler onto the CPU, aligning the mounting screws with the holes on the mounting modules.
3. Secure the cooler by tightening the screws in a diagonal pattern until snug. Do not overtighten.

5.5. Connecting the Fan

1. Locate the 4-pin PWM fan connector on your motherboard, typically labeled "CPU_FAN".
2. Connect the 4-pin cable from the Freezer i35 CO fan to the CPU_FAN header on your motherboard.

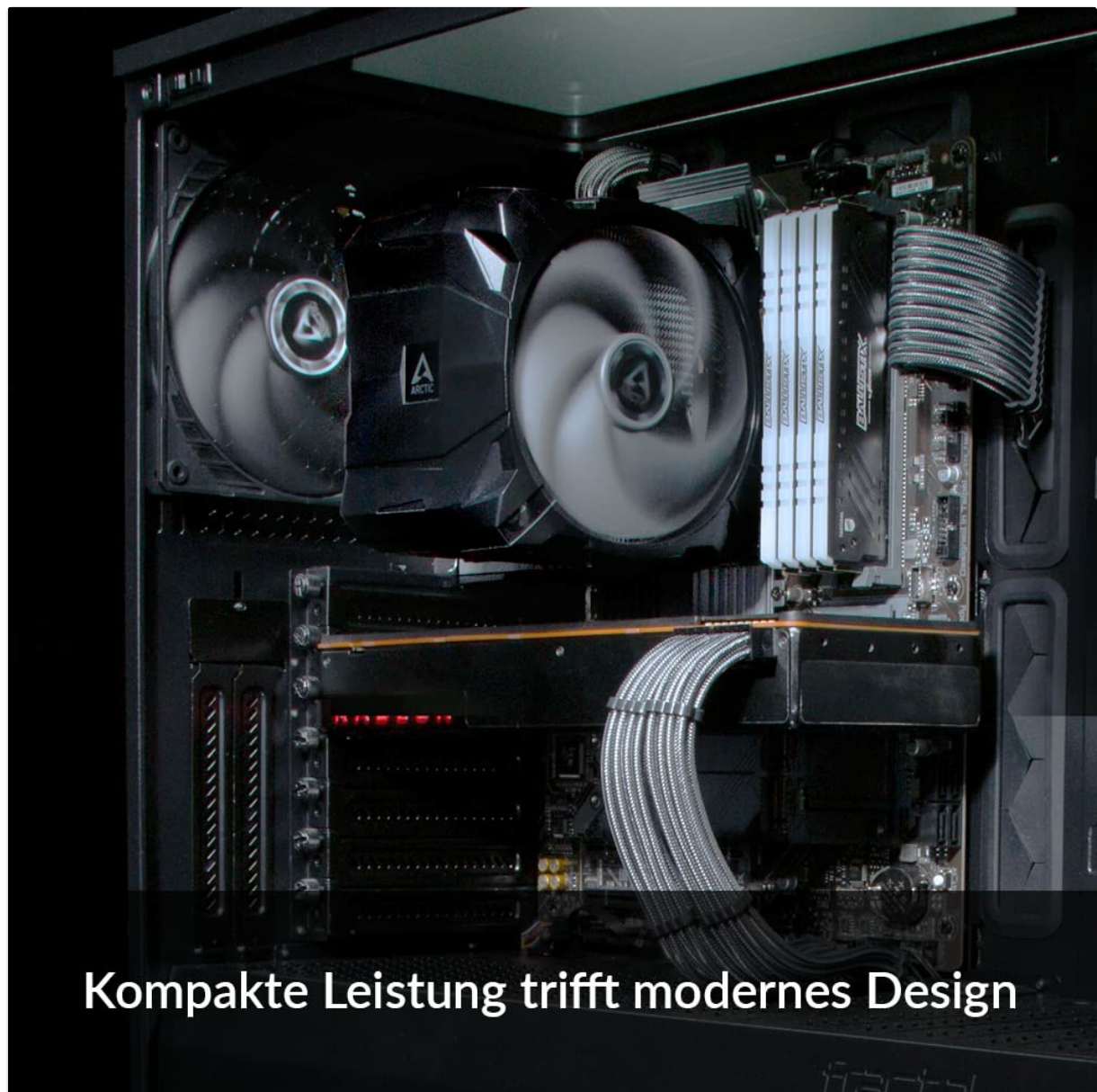


Image: The ARCTIC Freezer i35 CO CPU cooler installed within a computer case, showcasing its compact design and integration with other components.

6. OPERATION

The ARCTIC Freezer i35 CO is designed for continuous and efficient operation. The 120 mm P-fan operates within a speed range of 200 to 1800 RPM, controlled by your motherboard's PWM signal. This allows for dynamic adjustment of fan speed based on CPU temperature, ensuring optimal cooling performance while minimizing noise.

The cooler supports a semi-passive mode, where the fan can stop spinning at low CPU loads to achieve silent operation. This feature is dependent on your motherboard's fan control settings.



Image: Cross-section view of the fan, illustrating the impeller, dual ball bearing, and steel shaft designed for continuous operation.



Image: The fan detached from the heatsink, showcasing its design optimized for efficient airflow through the heatsink fins.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your CPU cooler.

- **Dust Removal:** Periodically clean the heatsink fins and fan blades to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use compressed air or a soft brush.
- **Thermal Paste:** While ARCTIC MX-5 thermal paste has excellent long-term stability, it is recommended to reapply thermal paste every few years or if you remove the cooler for any reason.

8. TROUBLESHOOTING

If you encounter issues with your Freezer i35 CO, consider the following:

- **High CPU Temperatures:**
 - Ensure the cooler is securely mounted and making good contact with the CPU.
 - Verify that thermal paste was applied correctly and evenly.
 - Check for dust buildup on the heatsink and fan.
 - Confirm the fan is spinning and connected to the correct motherboard header (CPU_FAN).

- **Fan Not Spinning:**

- Check the fan cable connection to the motherboard.
- Verify motherboard BIOS/UEFI fan control settings. The fan may be in semi-passive mode at low temperatures.

- **Excessive Fan Noise:**

- Ensure no cables are obstructing the fan blades.
- Check for dust buildup on the fan.
- Adjust fan speed curves in your motherboard's BIOS/UEFI settings.

9. SPECIFICATIONS

Feature	Specification
Model Number	ACFRE00095A
Product Dimensions (L x W x H)	91 mm x 133 mm x 158.5 mm (3.58" x 5.24" x 6.24")
Weight	734 g (1.62 Pounds)
Heatpipes	4x Direct Touch Ø 6 mm
Fin Material	Aluminum
Number of Fins	54
Fin Thickness	0.4 mm
Thermal Compound	ARCTIC MX-5 (0.8 g)
Fan Size	120 mm
Fan Speed	200 - 1800 RPM (PWM controlled)
Fan Bearing	Dual Ball Bearing
Noise Level	0.35 Sone
Current	0.12 A
Voltage	12 V
Power Connector Type	4-Pin PWM
Operating Ambient Temperature	0–40 °C
Compatible Sockets	Intel: 1700, 1200, 115X

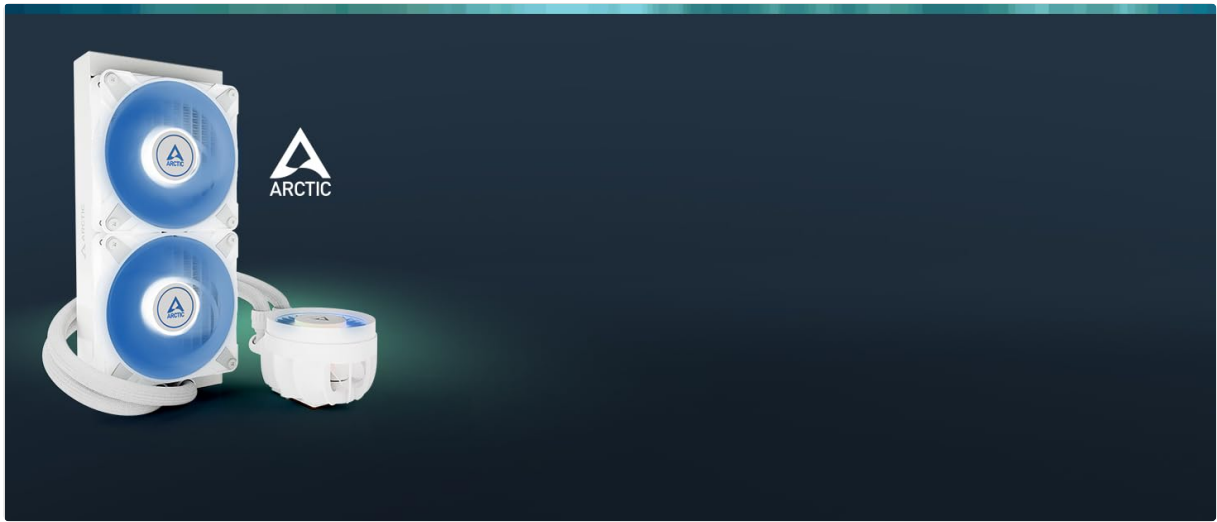


Image: Diagram illustrating the dimensions and key technical specifications of the ARCTIC Freezer i35 CO cooler.

10. WARRANTY AND SUPPORT

ARCTIC provides a **6-year guarantee** for the Freezer i35 CO CPU Cooler, reflecting confidence in its quality and durability.

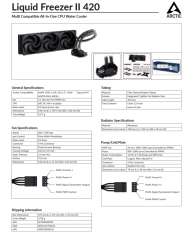





For further assistance, detailed video guides, or to access the online manual in multiple languages, please visit the official ARCTIC support page:

support.arctic.de/freezeri35co



Image: The back of the product box, showing a QR code and link to the online manual and video guides for installation and support.

Related Documents - Freezer i35 CO

	<p>ARCTIC Liquid Freezer II 420: Multi-Compatible All-In-One CPU Water Cooler</p> <p>Detailed specifications for the ARCTIC Liquid Freezer II 420, a multi-compatible all-in-one CPU water cooler. Includes information on dimensions, fan specifications, radiator, pump, tubing, and shipping details.</p>
	<p>ARCTIC Liquid Freezer II 240: Multi-Compatible All-In-One CPU Water Cooler</p> <p>Detailed information on the ARCTIC Liquid Freezer II 240, a multi-compatible all-in-one CPU water cooler featuring an in-house developed PWM-controlled pump, high-performance P-fans, and a maintenance-free water loop. Includes specifications, features, and compatibility information.</p>
	<p>ARCTIC Liquid Freezer II 280: Multi-Compatible All-In-One CPU Water Cooler</p> <p>Discover the ARCTIC Liquid Freezer II 280, a high-performance, all-in-one CPU water cooler with an in-house developed PWM pump, VRM cooling fan, and P-fans for optimal thermal management and quiet operation. Features include a copper cold plate, sleeved tubes, and MX-4 thermal paste for superior cooling.</p>
	<p>ARCTIC Freezer 36 CO CPU Cooler - Online Manual and Installation Guide</p> <p>Comprehensive online manual and installation guide for the ARCTIC Freezer 36 CO CPU Cooler. Learn about preparation, installation, and access video guides. Available in multiple languages.</p>
	<p>ARCTIC Liquid Freezer III 240 AIO CPU Cooler: Specifications and Compatibility</p> <p>Detailed specifications, compatibility, and performance data for the ARCTIC Liquid Freezer III 240 All-in-One CPU Water Cooler, including fan speeds, dimensions, and shipping information.</p>
	<p>ARCTIC Liquid Freezer III Pro Series AMD Quick Start Guide</p> <p>Quick start guide for installing the ARCTIC Liquid Freezer III Pro Series AIO Liquid CPU Cooler on AMD systems. Includes parts list and step-by-step installation instructions.</p>