ID-COOLING FX360 PRO

ID-COOLING FX360 PRO Liquid CPU Cooler Instruction Manual

Model: FX360 PRO | Brand: ID-COOLING

1. Introduction

The ID-COOLING FX360 PRO is a high-performance All-In-One (AIO) liquid CPU cooler designed for desktop computing systems. It features a 360mm radiator, three 120mm high-efficiency fans, and a special CD pattern pump header. This cooler is compatible with a wide range of Intel and AMD sockets, ensuring broad applicability for various PC builds.

Key features include a powerful pump operating at 2900RPM±10% for efficient heat dissipation, and fans delivering a maximum airflow of 82.5CFM and maximum air pressure of 2.55mmH2O. The all-black aesthetic provides a sleek look that integrates seamlessly into most PC cases.

This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your FX360 PRO cooler.

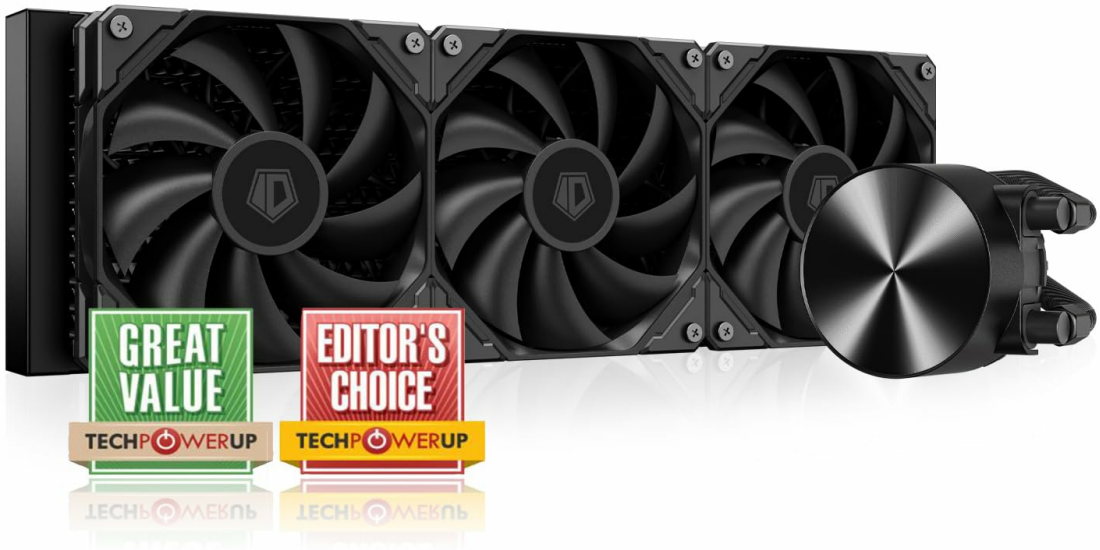

Image 1: ID-COOLING FX360 PRO Liquid CPU Cooler showcasing its design and features.

2. Package Contents

Verify that all components listed below are present in your package:

- 1x 360mm Radiator with integrated pump and tubing
- 3x 120mm Cooling Fans
- 1x Tube of Thermal Paste (ID-COOLING FROST X45)
- 1x Fan Extension Cable
- Mounting Hardware for Intel Sockets (LGA1851/1700/1200/115X)
- Mounting Hardware for AMD Sockets (AM4/AM5)
- User Manual

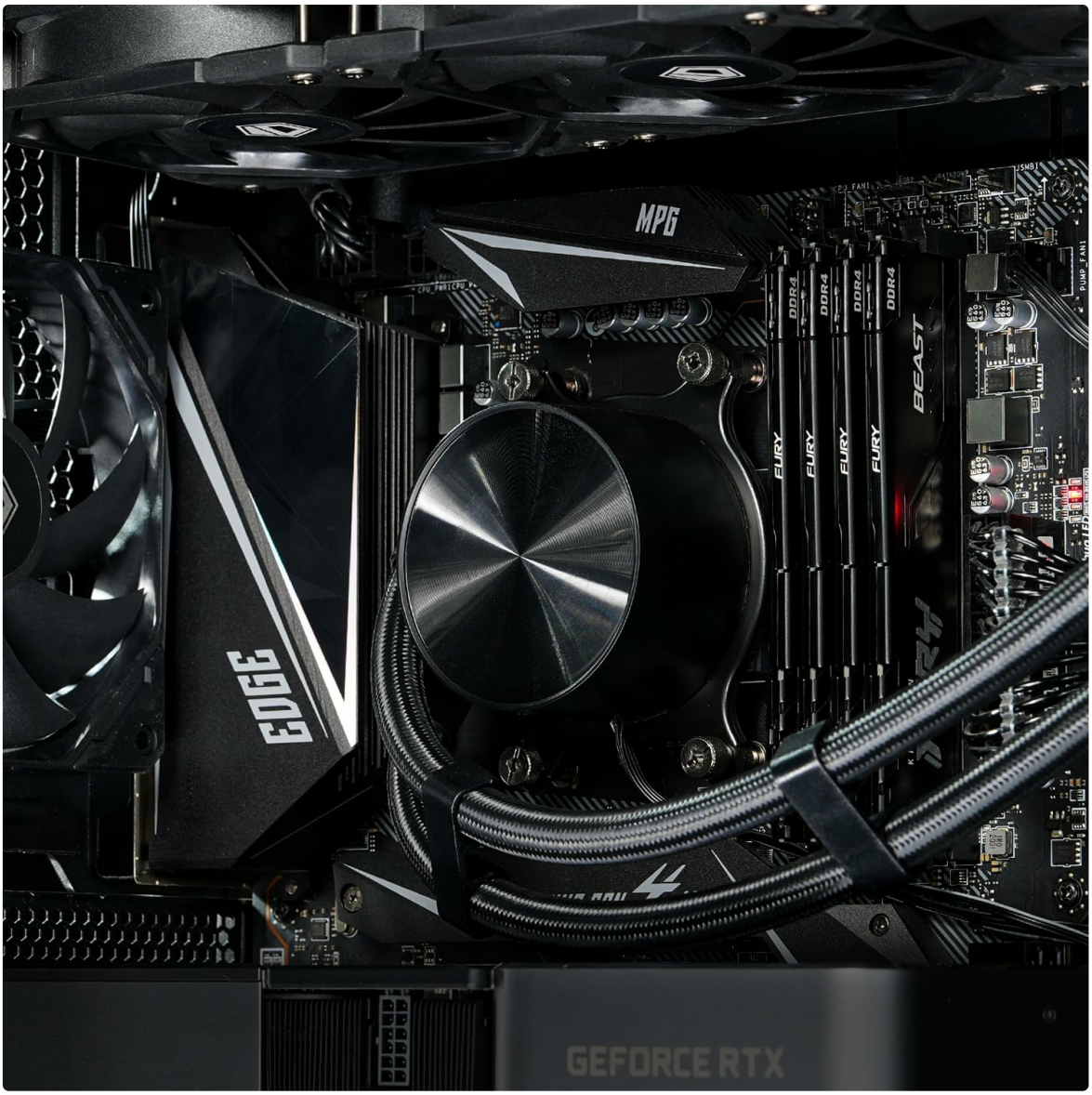

Image 2: Overview of all components included in the FX360 PRO package, laid out for inspection.

3. Installation Guide

This section provides step-by-step instructions for installing your ID-COOLING FX360 PRO Liquid CPU Cooler. Please identify your CPU socket type (Intel or AMD) and follow the corresponding instructions carefully.

3.1. General Preparation

1. Ensure your system is powered off and unplugged from the power source.
2. Gather all necessary tools, including a Phillips head screwdriver.
3. Unpack all components and verify against the package contents list.

3.2. Attaching Fans to Radiator

1. Position the three 120mm fans onto the radiator. Ensure the fan cables are aligned on the same side for easier cable management.
2. Use the provided long screws to secure each fan to the radiator. Tighten securely but do not overtighten.
3. Daisy-chain the fan cables together using the integrated connectors. Connect the last fan's cable

to the provided fan extension cable. This extension cable will connect to your motherboard's CPU_FAN header or a dedicated fan controller.

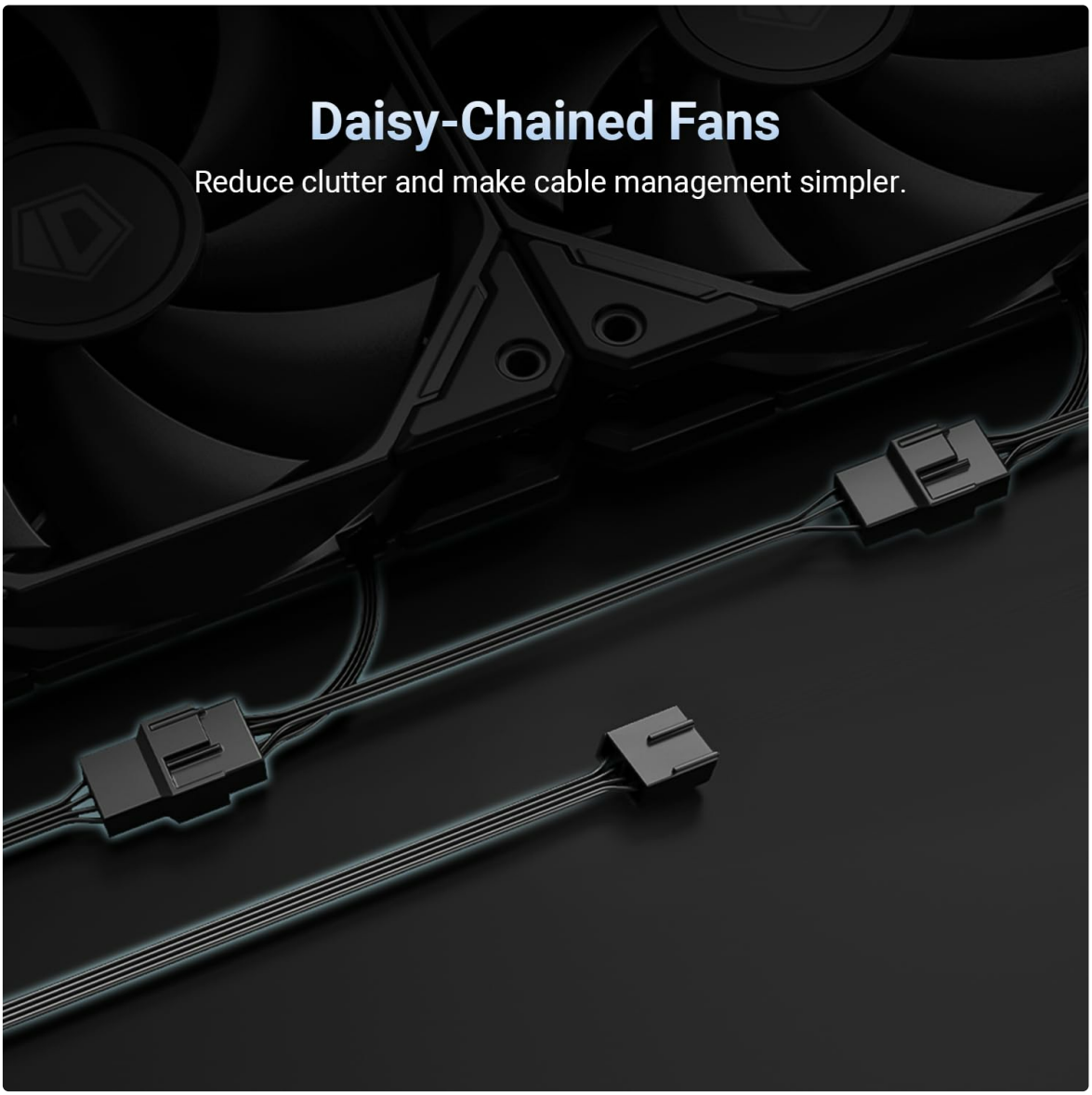

Image 3: The three 120mm fans are shown daisy-chained and mounted onto the 360mm radiator.

3.3. Intel Socket Installation (LGA1851/1700/1200/115X)

1. Adjust the Intel backplate screws to the corresponding positions for your specific LGA socket (pull outward for LGA1851/1700, pull inward for LGA1200/115X).
2. Place the backplate through the back of the motherboard, aligning the screw holes.
3. Mount the appropriate Intel standoffs onto the posts of the backplate from the front side of the motherboard.
4. Peel off the protective sticker from the copper plate of the pump.
5. Attach the correct Intel mounting bracket to the pump head. Align the registration marks on the pump housing and the bracket, press firmly into place, and twist clockwise to lock.
6. Clean the CPU surface with isopropyl alcohol and apply a thin, pea-sized layer of the provided thermal grease onto the center of the CPU's Integrated Heat Spreader (IHS).
7. Carefully place the pump assembly over the four standoffs, ensuring proper contact with the CPU.
8. Secure the pump assembly with the four mounting nuts. Tighten them in a diagonal pattern until snug. Do not overtighten.

3.4. AMD Socket Installation (AM4/AM5)

1. Remove the original AMD plastic retention frame from the motherboard, but keep the stock backplate.
2. Mount the provided rubber grommets and AMD standoffs onto the existing posts on the stock backplate.
3. Peel off the protective sticker from the copper plate of the pump.
4. Attach the correct AMD mounting bracket to the pump head. Align the registration marks on the pump housing and the bracket, press firmly into place, and twist clockwise to lock.
5. Clean the CPU surface with isopropyl alcohol and apply a thin, pea-sized layer of the provided thermal grease onto the center of the CPU's Integrated Heat Spreader (IHS).
6. Carefully place the pump assembly over the four standoffs, ensuring proper contact with the CPU.
7. Secure the pump assembly with the four mounting nuts. Tighten them in a diagonal pattern until snug. Do not overtighten.

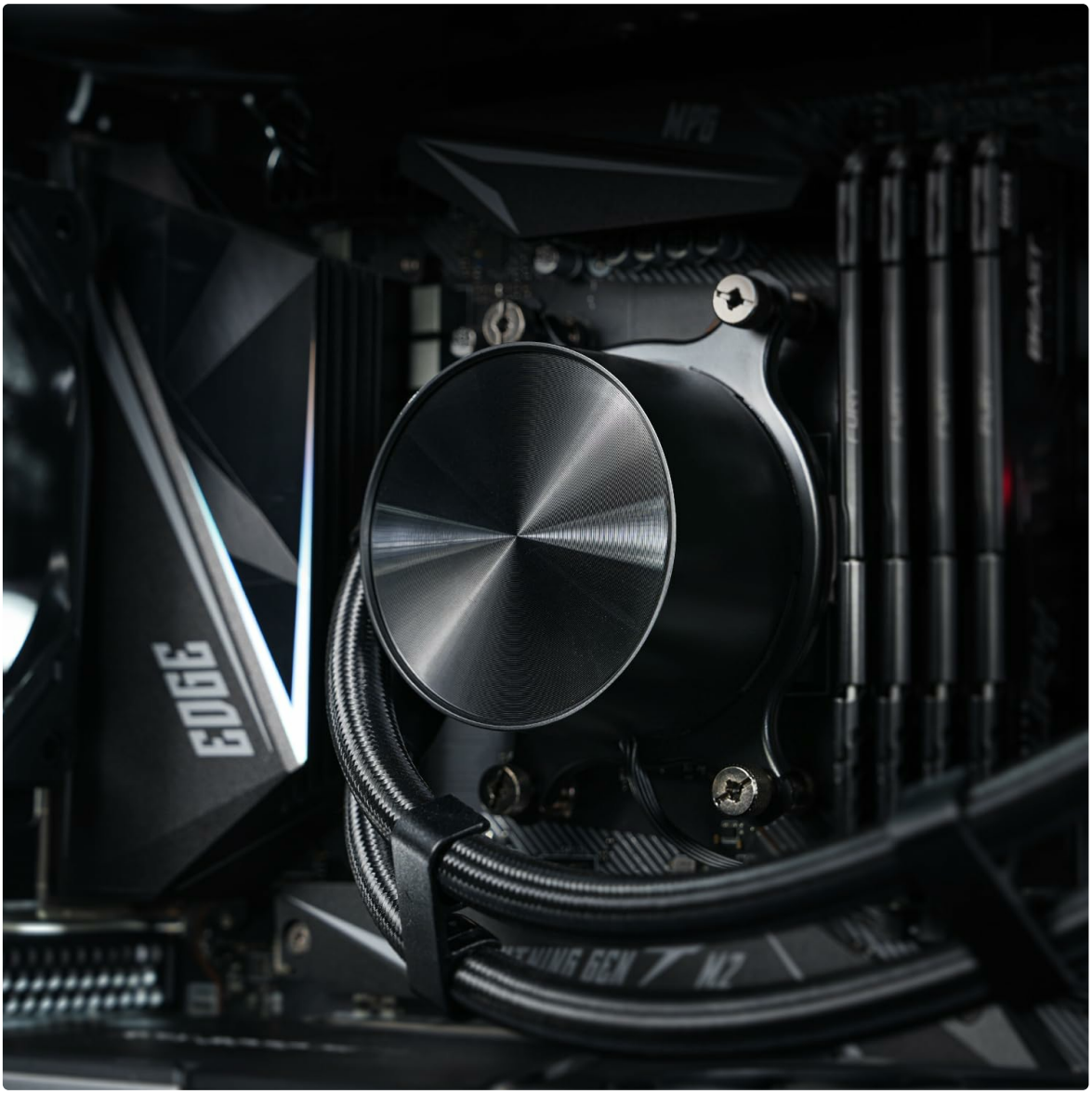

Image 4: The pump head of the FX360 PRO securely mounted on an AMD motherboard, illustrating the final installation step.

3.5. Mounting Radiator and Cable Connections

1. Mount the radiator with attached fans to an available 360mm mounting location in your PC case (e.g., top, front). Use the appropriate screws provided with your case or cooler.

2. Connect the fan extension cable (from step 3.2) to the CPU_FAN header on your motherboard.
3. Connect the 3-pin pump cable from the radiator to the PUMP_FAN header on your motherboard. If your motherboard does not have a dedicated PUMP_FAN header, connect it to a SYS_FAN header.
4. Use the included cable combs to organize the water tubes for a cleaner aesthetic.

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Video 1: Official ID-COOLING installation guide for FX PRO Series coolers, demonstrating the step-by-step setup process.

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Video 2: Official ID-COOLING installation guide specifically for the FX360 PRO, providing visual instructions for assembly and mounting.

4. Operating Instructions

For optimal cooling performance and pump longevity, it is recommended to run the pump at 100% speed. Access your motherboard's BIOS settings to configure the PUMP_FAN header (or the SYS_FAN header if used) to run at full speed. You can adjust the fan curves for the 120mm cooling fans based on your preference for noise levels and cooling performance.

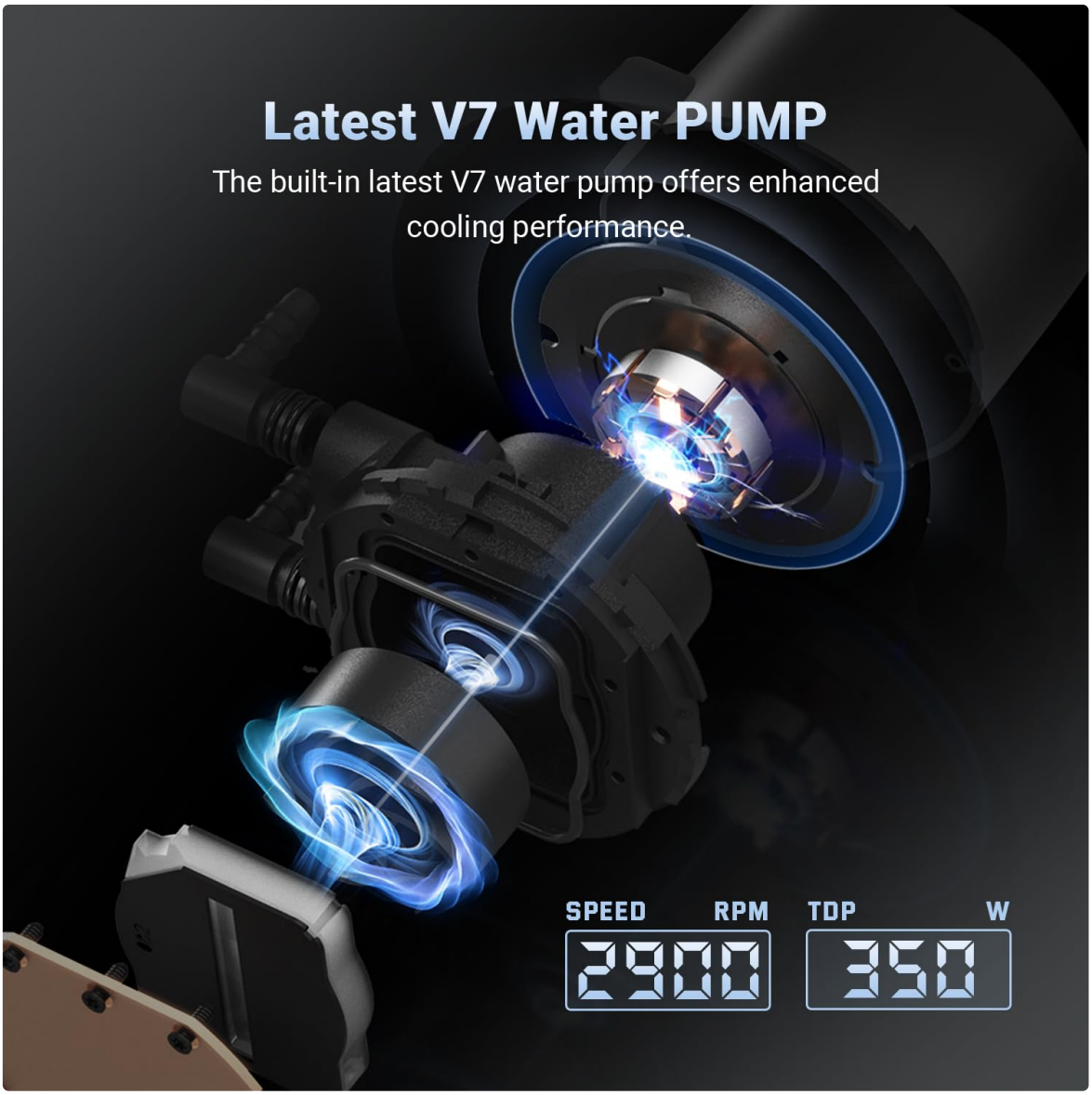

Image 5: Diagram showing the V7 water pump's internal structure and performance metrics, including 2900 RPM speed and 350W TDP.

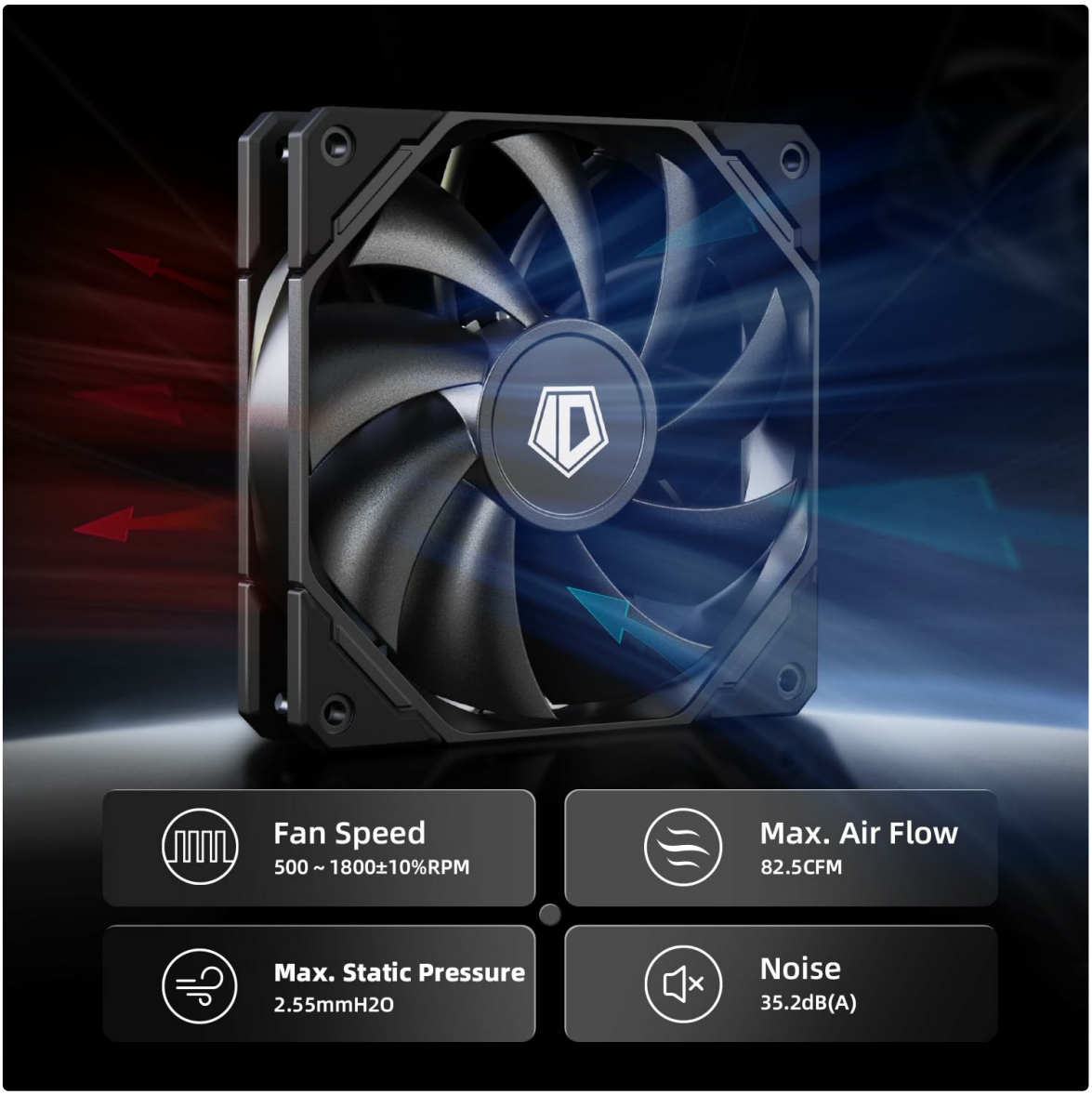

Image 6: Diagram detailing the specifications of the 120mm cooling fans, including fan speed, max air flow, max air pressure, and noise level.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your liquid CPU cooler.

- **Dust Cleaning:** Periodically clean the radiator fins and fan blades to prevent dust buildup, which can impede airflow and reduce cooling performance. Use compressed air or a soft brush.
- **Cable Inspection:** Check all cables (fan, pump, power) for secure connections and any signs of wear or damage.
- **Tubing Inspection:** Inspect the liquid tubes for any kinks, leaks, or signs of degradation.
- **Thermal Paste:** While not frequently required, if you remove the pump from the CPU, you must clean off old thermal paste and apply new thermal paste before reinstallation.

6. Troubleshooting

If you encounter issues with your FX360 PRO cooler, refer to the following common troubleshooting steps:

Issue	Possible Cause	Solution
High CPU Temperatures	Insufficient thermal paste, poor pump contact, dust buildup on radiator, low pump speed.	Reapply thermal paste, ensure pump is securely mounted, clean radiator/fans, set pump to 100% in BIOS.
Fans Not Spinning	Loose fan connections, incorrect motherboard header.	Check all fan cable connections, ensure connected to CPU_FAN or SYS_FAN header.
Pump Not Working	Loose pump connection, incorrect motherboard header, pump failure.	Check pump cable connection, ensure connected to PUMP_FAN or SYS_FAN header, contact support if pump is faulty.
Excessive Noise	High fan speed, pump noise, loose components.	Adjust fan curves in BIOS, ensure all components are securely mounted.

7. Specifications

Feature	Specification
Model Number	FX360 PRO
TDP	350W
Radiator Size	360mm (Length: 397mm, Thickness: 27mm)
Fan Size	3 x 120mm (Thickness: 25mm)
Max. Air Flow	82.5 CFM
Max. Air Pressure	2.55 mmH2O
Noise Level	35.2 dB(A)
Pump Speed	2900 RPM ±10%
Water Hose Length	465mm
Materials	Metal, Plastic, Rubber
Compatible Sockets	Intel LGA1851/1700/1200/115X, AMD AM4/AM5

8. Warranty and Support

ID-COOLING products are manufactured to the highest quality standards. For warranty information, technical support, or service inquiries, please refer to the official ID-COOLING website or contact your

local retailer. Keep your proof of purchase for warranty claims.

Related Documents - FX360 PRO

	ID-COOLING AIO CPU Cooler Installation Manual - Guide for Intel & AMD Comprehensive installation guide for ID-COOLING All-In-One (AIO) CPU coolers. Covers component lists, mounting instructions for Intel LGA 1700/1200/115X/2066/2011 and AMD AM4/AM5 sockets, and RGB connection.
	ID-COOLING AIO-DASH-V1 Installation Guide Comprehensive installation guide for the ID-COOLING AIO-DASH-V1 CPU cooler, covering compatibility with Intel LGA1700, LGA1200/115X, LGA20XX, and AMD AM4/AM5 sockets. Includes detailed steps and component lists for a successful installation.
	ID-COOLING FROSTFLOW X 280 Installation Manual This document provides a comprehensive installation manual for the ID-COOLING FROSTFLOW X 280 CPU Water Cooler, detailing component lists and step-by-step installation guides for Intel and AMD platforms.
	ID-COOLING XTS-V1 Installation Guide This guide provides step-by-step instructions for installing the ID-COOLING XTS-V1 CPU cooler, covering Intel and AMD platforms.
	ID-COOLING IS-XT-A1-X3A4D06-V2 CPU Cooler Installation Guide Comprehensive installation guide for the ID-COOLING IS-XT-A1-X3A4D06-V2 CPU cooler, covering component lists, socket compatibility for Intel LGA1700, LGA1200/115X, and AMD AM4/AM5, step-by-step assembly instructions, and fan connection. Includes support contact information.
	ID-COOLING IS Series Installation Guide This guide provides step-by-step instructions for installing the ID-COOLING IS Series CPU cooler for Intel LGA1700/1200/115X and AMD AM4 sockets. It includes a components list and troubleshooting tips.