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› CORSAIR CX750M 80 PLUS Bronze Semi-Modular Low-Noise ATX 750 Watt Power Supply User Manual

Corsair CP-9020222-NA

CORSAIR CX750M 80 PLUS Bronze Semi-Modular Low-Noise ATX 750 Watt Power Supply

Model: CP-9020222-NA

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your CORSAIR CX750M 80 PLUS Bronze Semi-Modular Low-Noise ATX 750 Watt Power Supply. The CX-M Series is designed for reliable, low-noise operation with excellent efficiency, making it suitable for a wide range of PC builds. Please read this manual thoroughly before installation to ensure proper and safe usage.



Figure 1: CORSAIR CX750M Power Supply Unit. This image shows the main view of the power supply, highlighting its compact design and semi-modular nature.

2. SETUP AND INSTALLATION

2.1 Safety Precautions

- Always disconnect the power cord from the wall outlet before installing or removing the power supply.
- Ensure your computer system is completely powered off and unplugged.
- Avoid opening the power supply unit. It contains high voltage components even when unplugged.
- Handle components with care to prevent electrostatic discharge (ESD). Consider using an anti-static wrist strap.

2.2 Package Contents

Verify that all components are present in the package:

- CORSAIR CX750M Power Supply Unit
- AC Power Cord
- Modular Cable Set (PCIe, SATA, PATA)
- Mounting Screws
- Cable Ties
- User Manual (this document)



Figure 2: Included components with the CORSAIR CX750M. This image displays the power supply, its packaging, and the various modular cables provided for system connectivity.

2.3 Installation Steps

1. **Prepare your PC Case:** Open your computer case and locate the power supply mounting bay. Remove your old power supply if applicable.
2. **Mount the Power Supply:** Carefully slide the CX750M into the power supply bay. Ensure the fan is facing the correct direction (usually downwards for bottom-mounted PSUs, or as per your case's design for optimal airflow). Secure the power supply to the case using the provided mounting screws.
3. **Connect Essential Cables:**
 - Connect the 24-pin ATX cable to your motherboard. This cable is permanently attached to the PSU.
 - Connect the 8-pin (4+4) EPS/ATX 12V cable(s) to your motherboard's CPU power connector(s). The CX750M includes two such connectors for modern motherboards.

4. Connect Modular Cables:

- Identify the necessary cables for your components (graphics card, SSDs, HDDs, optical drives, etc.).
- Plug the required modular cables into the corresponding ports on the power supply. The CX750M features clearly labeled ports for PCIe, SATA, and PATA connections.
- Connect the other end of these cables to your components.

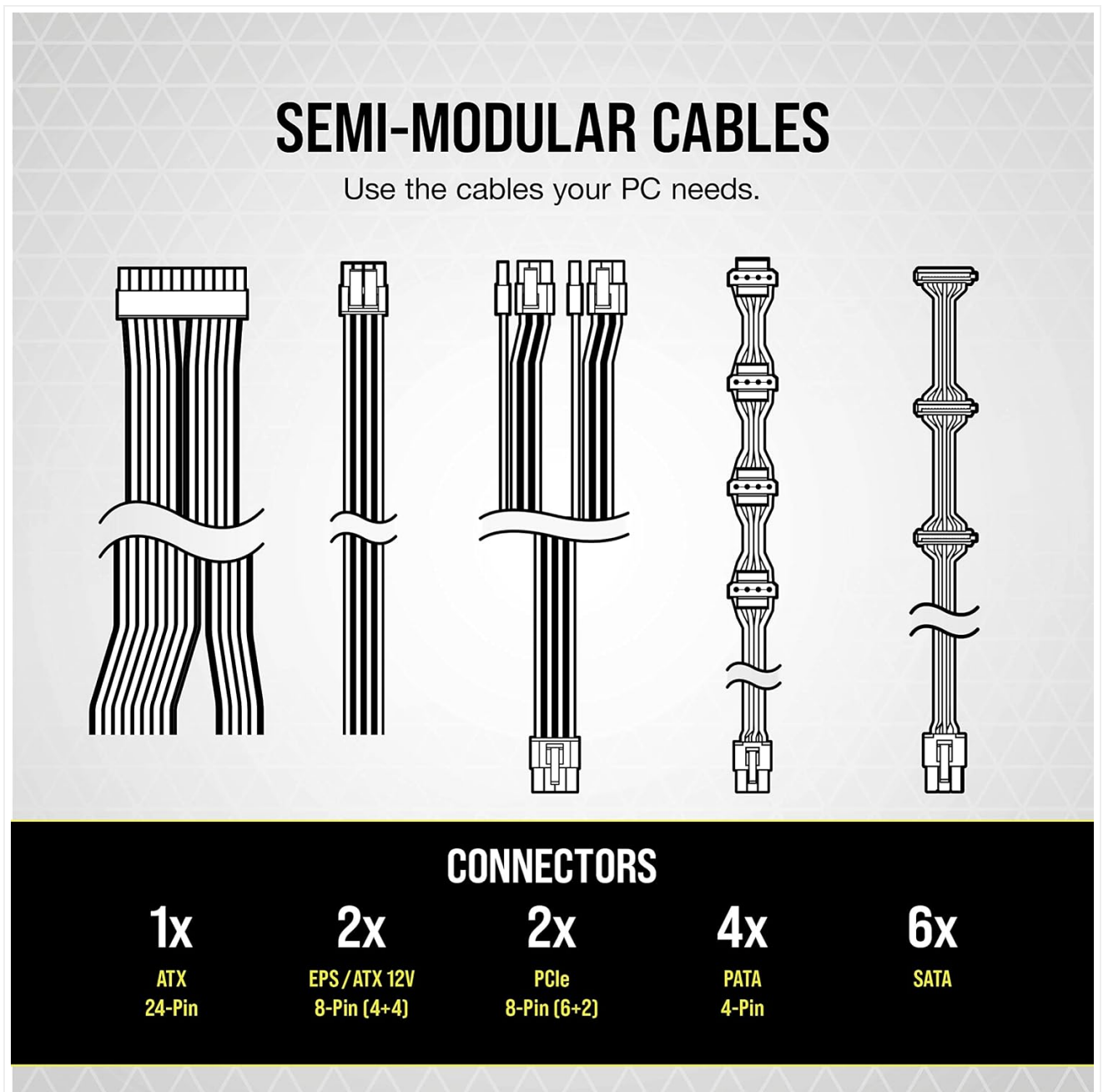


Figure 3: Semi-Modular Cable Connectors. This diagram illustrates the types and quantities of modular cables included with the CX750M, such as ATX, EPS/ATX 12V, PCIe, PATA, and SATA connectors.

5. **Cable Management:** Use cable ties to neatly route and secure cables, improving airflow and aesthetics within your case.
6. **Connect AC Power:** Once all internal connections are secure, connect the AC power cord to the power supply and then to a wall outlet.
7. **Power On:** Flip the power switch on the back of the power supply to the 'ON' position. Then, power on your computer.

3. OPERATION

The CORSAIR CX750M is designed for stable and efficient power delivery to your PC components. Once installed, its operation is largely automatic, providing power as needed by your system.

3.1 Efficiency and Low Noise

The CX750M features 80 PLUS Bronze certification, indicating high power efficiency. This means less wasted energy as heat, leading to lower operating temperatures and reduced electricity consumption. The power supply also incorporates a rifle bearing fan designed for low-noise operation, ensuring a quiet computing experience, especially under typical loads.

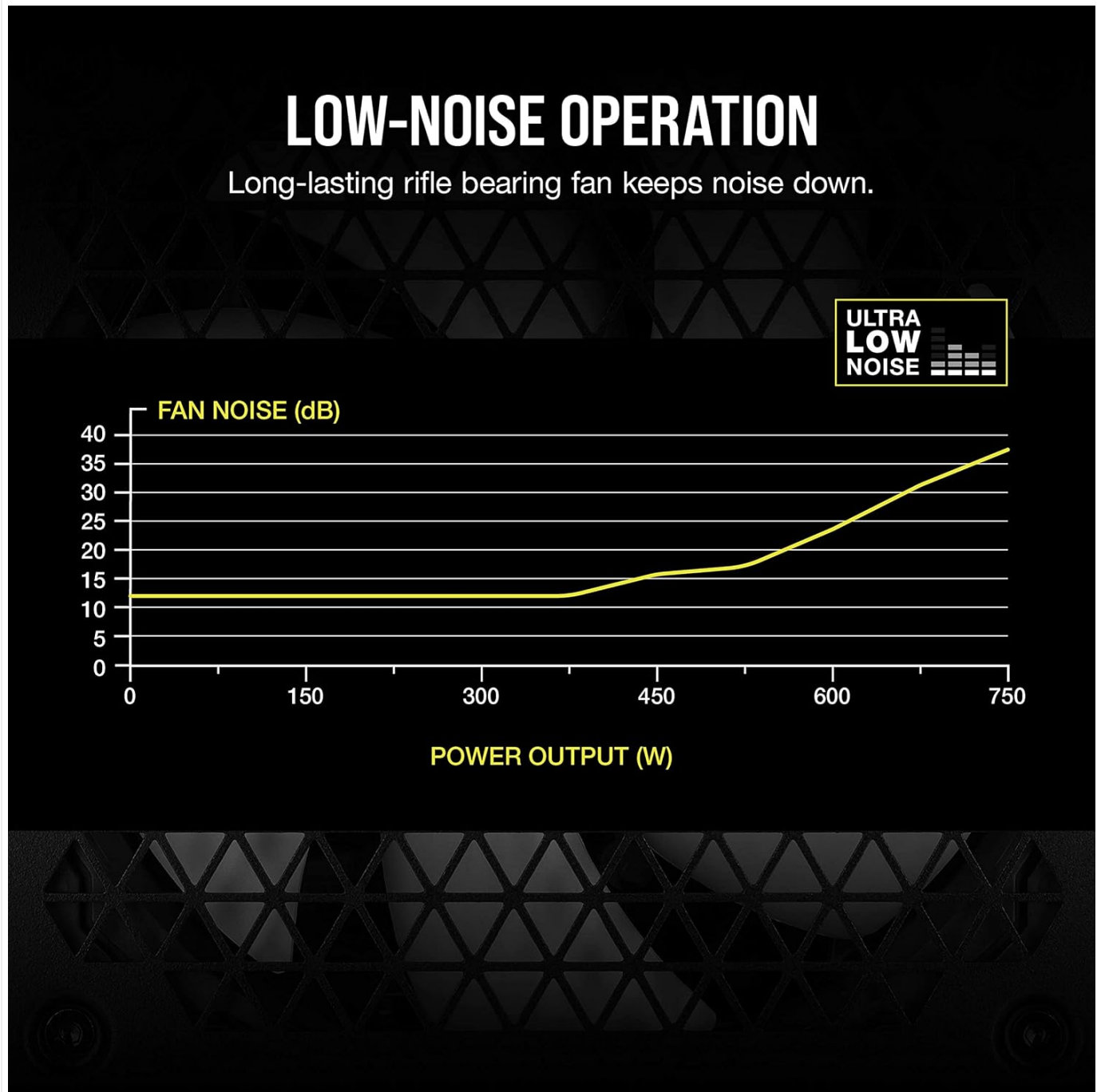


Figure 4: Low-Noise Operation. This graph illustrates the fan noise levels (in dB) of the CX750M across different power output levels, demonstrating its quiet performance.

80 PLUS BRONZE EFFICIENCY

Guarantees more efficient power use and lower operating temperatures.

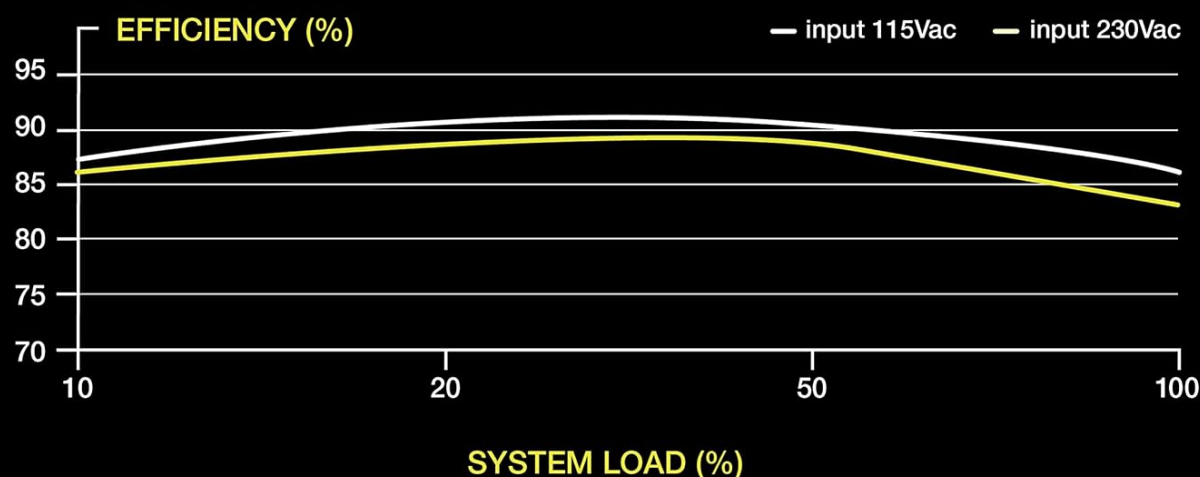


Figure 5: 80 PLUS Bronze Efficiency. This graph shows the power efficiency percentage of the CX750M at various system loads for both 115Vac and 230Vac inputs, confirming its Bronze certification.

4. MAINTENANCE

The CORSAIR CX750M is designed for long-term reliability with minimal maintenance. However, periodic cleaning can help ensure optimal performance and longevity.

4.1 Cleaning

- **Frequency:** Depending on your environment, clean your power supply and PC case every 6-12 months.
- **Procedure:**
 - a. Ensure the power supply is completely disconnected from the wall outlet and the PC is off.
 - b. Use compressed air to gently blow dust out of the power supply's fan grille and ventilation openings. Hold the fan blades gently to prevent them from spinning rapidly during cleaning, which can damage the bearing.
 - c. Wipe down the exterior of the power supply with a dry, lint-free cloth.

Do not use liquid cleaners or immerse the power supply in any liquid.

5. TROUBLESHOOTING

If you encounter issues with your CORSAIR CX750M, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
PC does not power on.	Power switch on PSU is off. AC power cord is loose or disconnected. Internal cables are not properly connected. Faulty wall outlet or power strip. Other PC component failure.	Ensure the PSU switch is in the 'ON' position. Check all power cord connections (wall, PSU). Verify all internal power cables (24-pin ATX, EPS/ATX 12V, PCIe) are securely seated. Try a different wall outlet or power strip. Test components individually if possible.
System unstable or crashes.	Insufficient power delivery to components. Overheating. Loose cable connections.	Ensure your system's power requirements do not exceed 750W. Check for proper airflow in your case and clean dust from PSU fan. Reseat all power cables.
Loud fan noise from PSU.	Excessive dust buildup. High system load.	Clean the PSU fan and internal components of your PC. Fan speed will increase under higher loads; this is normal. If noise is excessive at low loads, contact support.

If the problem persists after following these steps, please contact CORSAIR customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the CORSAIR CX750M Power Supply:

Feature	Detail
Model Name	CX750M
Item Model Number	CP-9020222-NA
Brand	Corsair
Form Factor	ATX
Output Wattage	750 Watts
Efficiency Certification	80 PLUS Bronze
Cooling Method	Air (Rifle Bearing Fan)
Product Dimensions (L x W x H)	5.51 x 5.91 x 3.39 inches (140 x 150 x 86 mm)
Item Weight	3.3 pounds (1.5 Kilograms)

Feature	Detail
Connector Type	PCI Express
Compatible Devices	Personal Computer
Capacitors	Japanese 105°C-rated

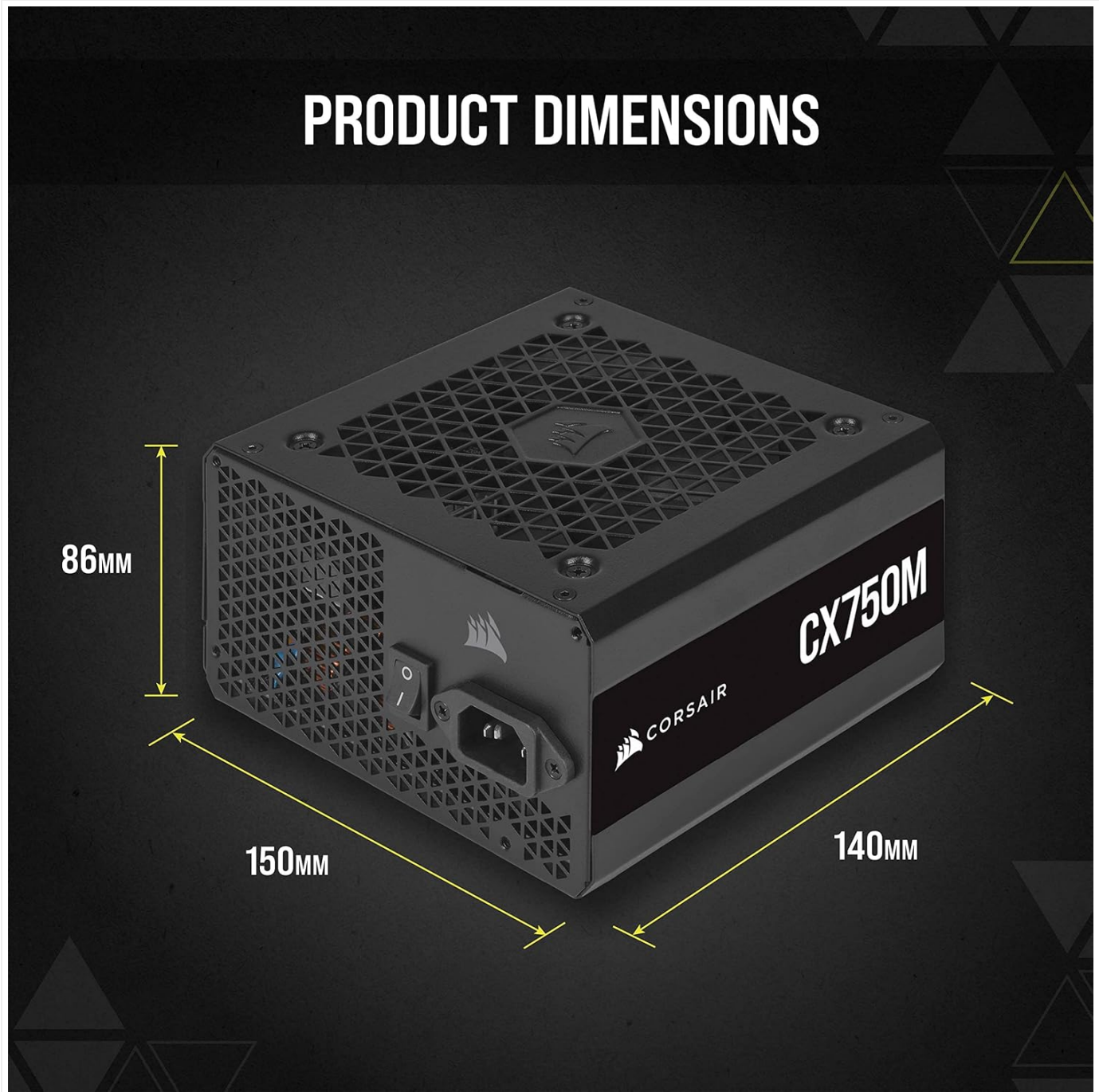


Figure 6: Product Dimensions. This diagram provides the exact measurements of the CORSAIR CX750M power supply, useful for case compatibility.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The CORSAIR CX750M Power Supply is backed by a **five-year warranty**. This warranty covers defects in materials and workmanship under normal use. For detailed warranty terms and conditions, please refer to the official CORSAIR website

or contact their customer support.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact CORSAIR customer support through their official channels:

- **Website:** Visit the official CORSAIR support page for FAQs, drivers, and contact options.
www.corsair.com/support
- **Online Ticket System:** Submit a support ticket for personalized assistance.
- **Phone Support:** Check the CORSAIR website for regional phone numbers.

When contacting support, please have your product model (CX750M) and serial number ready.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question