

HRSTAR BG132 P15.51.0398

HRSTAR Wistro Series Fan BG132 P15.51.0398 Instruction Manual

Model: BG132 P15.51.0398 | Brand: HRSTAR

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your HRSTAR Wistro Series Fan, Model BG132 P15.51.0398. Please read this manual thoroughly before using the product and retain it for future reference. This motor cooling fan is designed for industrial and commercial applications requiring robust and waterproof cooling solutions.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Model:** BG132 P15.51.0398
- **Fan Type:** Motor Cooling Fan
- **Fan Diameter:** 132mm
- **Frequency:** 50/60Hz
- **Protection Rating:** IP66 Waterproof
- **Approval Standard:** CE
- **Material:** Copper (motor components)
- **Maximum Rotational Speed:** 5500 RPM
- **Power Connector Type:** 3-Pin or 4-Pin
- **Wattage:** 65 watts

2.2 Components

The HRSTAR Wistro Series Fan consists of a motor housing, fan blades, and a protective grille. Refer to the images below for visual identification of components.



Figure 1: Front view of the HRSTAR Wistro Series Fan. This image displays the fan's black blades and the grey motor housing.



Figure 2: Side view of the fan. This image shows the profile of the fan blades and the depth of the motor casing.



Figure 3: Top-down view of the fan with the protective grille. This image illustrates the circular grille covering the fan blades.

2.3 Product Video

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Video 1: HRSTAR Wistro Fan Overview. This video provides a 360-degree view of the HRSTAR Wistro Series Fan, showcasing its design and components from various angles.

3. SPECIFICATIONS

Parameter	Value
Brand	HRSTAR (Wistro)
Type	BG132
Part Number	P15.51.0398
Fan Diameter	132mm
Fan Type	Motor Cooling Fan
Frequency	50/60Hz
Protection Rating	IP66 Waterproof
Approval Standard	CE
Power Connector Type	3-Pin or 4-Pin
Wattage	65 watts
Cooling Method	Air, Water
Compatible Devices	Desktop (<i>Note: This may refer to industrial desktop applications, not personal computers.</i>)
Material	Copper (internal motor components)
Maximum Rotational Speed	5500 RPM
Manufacturer	ebmpapst (<i>Note: This is the manufacturer listed, while HRSTAR is the brand/seller.</i>)

4. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product and connected equipment:

- **Electrical Safety:** Ensure the power supply matches the fan's specifications (50/60Hz). Disconnect power before installation, maintenance, or troubleshooting.
- **Installation:** Install the fan securely to prevent vibration and accidental detachment. Ensure proper ventilation around the fan.
- **Moving Parts:** Keep hands, tools, and loose clothing away from moving fan blades during operation.
- **Waterproof Rating:** The fan has an IP66 rating, indicating protection against powerful water jets and dust. However, avoid submerging the fan unless specifically rated for such conditions.
- **Qualified Personnel:** Installation and electrical connections should be performed by qualified personnel in accordance with local electrical codes and regulations.
- **Operating Environment:** Do not operate the fan in environments with explosive gases or highly corrosive substances unless specifically designed and certified for such conditions.

5. SETUP AND INSTALLATION

Follow these general steps for installing your motor cooling fan. Specific mounting hardware and procedures may vary based on your application.

1. **Unpack and Inspect:** Carefully remove the fan from its packaging. Inspect for any visible damage

that may have occurred during shipping. Do not install damaged components.

2. **Mounting Location:** Select a suitable mounting location that provides adequate airflow for cooling the motor and allows for secure attachment of the fan. Ensure the fan blades will not obstruct or be obstructed.
3. **Secure Mounting:** Mount the fan securely using appropriate fasteners. Ensure the fan is stable and vibrations are minimized.
4. **Electrical Connection:**
 - **Always disconnect power before making any electrical connections.**
 - Connect the fan's 3-Pin or 4-Pin power connector to the appropriate power source, adhering to local electrical codes.
 - Verify correct polarity and secure all connections to prevent loose wiring.
5. **Final Check:** Before restoring power, double-check all mounting and electrical connections. Ensure no foreign objects are near the fan blades.

6. OPERATING INSTRUCTIONS

The HRSTAR Wistro Series Fan is designed for continuous operation once properly installed and connected to a power source.

1. **Power On:** Once installation is complete and verified, restore power to the fan. The fan should begin operating immediately, providing airflow.
2. **Monitor Operation:** Observe the fan during its initial operation to ensure it runs smoothly without unusual noises or excessive vibration.
3. **Power Off:** To stop the fan, disconnect its power supply.

Note: This fan is intended for cooling motors and similar equipment. Its operation is typically integrated into the system it is cooling.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your HRSTAR Wistro Series Fan.

- **Cleaning:**
 - **Always disconnect power before cleaning.**
 - Periodically inspect the fan blades and grille for dust, dirt, or debris accumulation.
 - Use a soft brush, cloth, or compressed air to gently remove any buildup. Avoid using harsh chemicals or abrasive materials.
- **Inspection:**
 - Regularly check for any signs of wear, such as loose connections, damaged wiring, or unusual noises during operation.
 - Ensure mounting hardware remains secure.
- **Lubrication:** The fan motor is typically sealed and does not require user lubrication. Do not attempt to lubricate internal components unless specified by the manufacturer.

8. TROUBLESHOOTING

If you encounter issues with your fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not start	No power supply; Loose electrical connection; Damaged motor.	Check power source and connections. Ensure power is on. If connections are secure and power is present, the motor may be faulty; contact support.
Fan runs slowly or with reduced airflow	Obstruction in fan blades/grille; Incorrect voltage; Motor wear.	Disconnect power and clear any obstructions. Verify correct voltage supply. If problem persists, contact support.
Excessive noise or vibration	Loose mounting; Imbalance in fan blades; Bearing wear.	Check and tighten mounting hardware. Inspect fan blades for damage or debris. If noise persists, contact support.
Fan overheats	Insufficient ventilation; Motor overload; Internal fault.	Ensure adequate space for airflow. Verify the fan is not operating beyond its rated capacity. Disconnect power and contact support if overheating continues.

For issues not listed above or if troubleshooting steps do not resolve the problem, please contact customer support.

9. WARRANTY AND SUPPORT

The HRSTAR Wistro Series Fan Model BG132 P15.51.0398 is manufactured to high-quality standards and is CE approved. Specific warranty details are typically provided at the point of purchase or with your sales documentation.

For technical support, warranty claims, or inquiries regarding replacement parts, please contact your original vendor or HRSTAR customer service. When contacting support, please have your product model number (BG132 P15.51.0398) and purchase information readily available.

Note: The product description mentions "We are professional Fan supplier, All products are New original genuine. Please rest assured to purchase, About the product parameters , please check and understand them carefully ,if not please feel free to contact us. we are pleased with serve for you." This indicates direct support from the seller.