

HG Power PM982

HG Power 12 Inch Attic Fan with Thermostat (Model PM982) - Instruction Manual

Your intelligent ventilation partner for attics, garages, sheds, and greenhouses.

[Overview](#) [Safety](#) [Contents](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#) & Support

1. OVERVIEW

The HG Power 12 Inch Attic Fan with Thermostat is designed for efficient ventilation in various spaces such as attics, garages, sheds, and greenhouses. It features a powerful EC motor, smart temperature and humidity control, and durable construction for long-lasting performance.

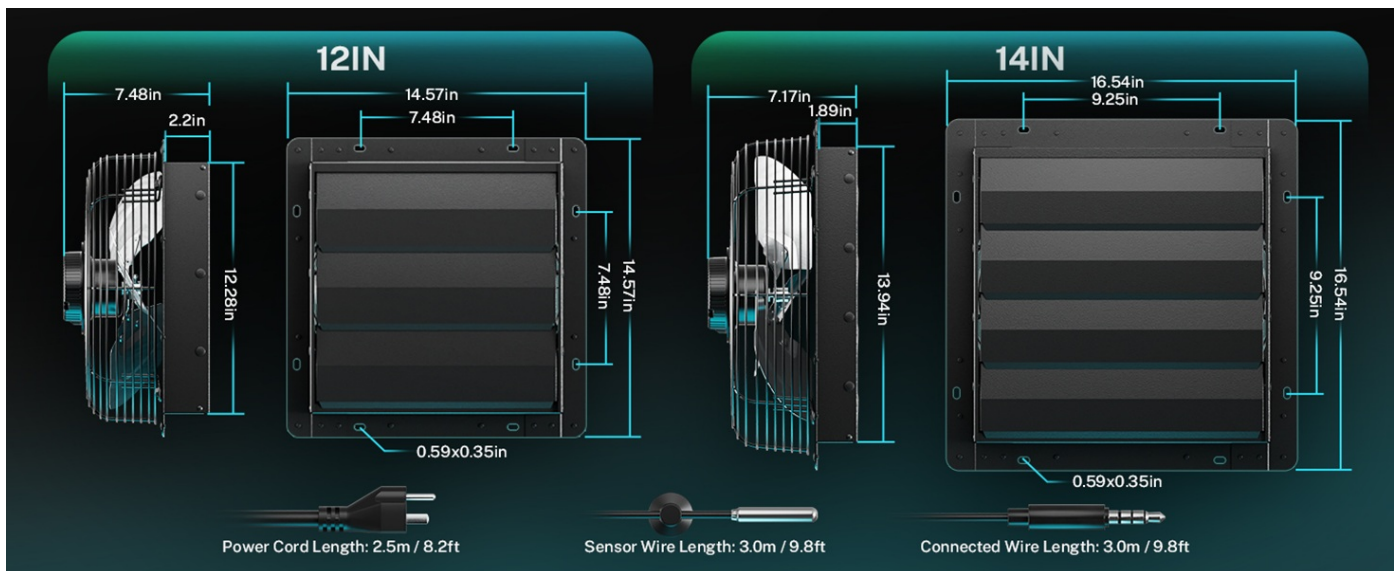


Image: HG Power Shutter Exhaust Fan with Intelligent Control. This image illustrates the fan unit and its smart controller, highlighting key features like temperature/humidity control, 10-speed fan, and 9-hour timer.

2. SAFETY INFORMATION

Please read all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power before servicing or cleaning the fan.
- Ensure proper grounding to prevent electrical hazards.
- Do not operate the fan with a damaged cord or plug.

- Keep hands and foreign objects away from moving fan blades.
- Install the fan in accordance with all local electrical and building codes.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x HG Power 12 Inch Shutter Exhaust Fan
- 1 x Smart Temperature Humidity Controller
- Mounting Screws
- 8-ft Power Cord
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

The HG Power exhaust fan is designed for quick and easy installation, coming fully assembled. The installation size is approximately 12.3 x 12.3 inches.

1. **Prepare the Opening:** Create an opening in the wall, window, or ceiling that measures approximately 12.3 x 12.3 inches. Ensure the location is suitable for ventilation and has access to a power source.
2. **Mount the Fan:** Position the fan unit within the prepared opening. Use the provided mounting screws to secure the fan firmly to the surface. Ensure the fan is level and stable.
3. **Connect the Power:** Plug the 8-ft power cord into a compatible 110V AC outlet. Ensure the connection is secure and properly grounded.
4. **Connect the Smart Controller:** Connect the smart controller to the fan unit using the provided cable. The controller allows for precise management of temperature and humidity.

EC MOTOR

EFFICIENCY
50%
PROMOTE
THAN AC MOTOR

ENERGY
20%
LOWER
THAN AC MOTOR

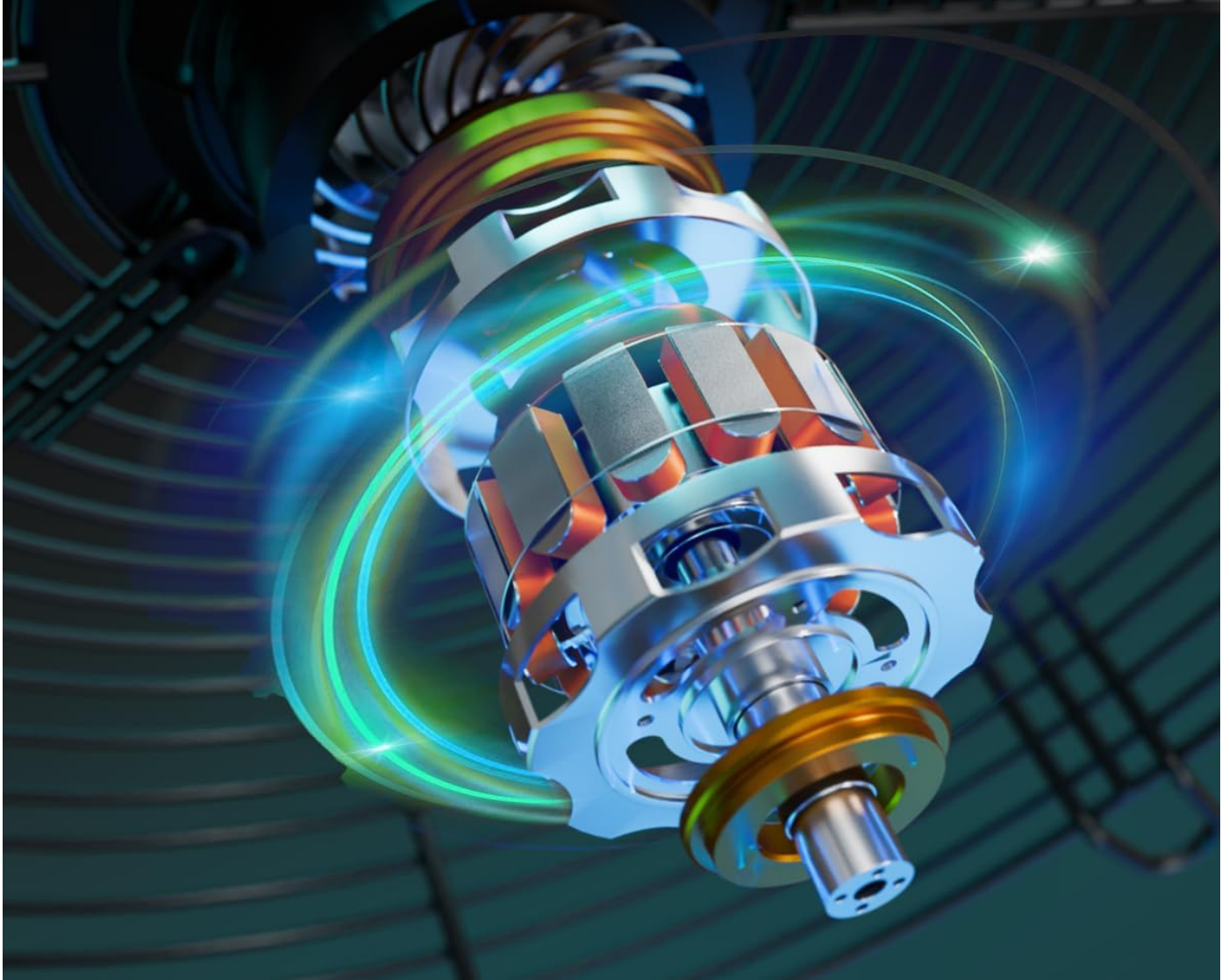


Image: HG Power 12 Inch Exhaust Fan Installation Diagram. This image shows the fan unit mounted in a wall, illustrating the ease of installation and connection points.

Your browser does not support the video tag.

Video: AIRLIFT Shutter exhaust ventilation fan with temperature and humidity control. This video demonstrates the installation and functionality of a similar shutter exhaust fan with temperature and humidity control, highlighting its application in various environments.

5. OPERATING INSTRUCTIONS

The smart controller provides precise control over the fan's operation. Familiarize yourself with the controller's interface:



Image: Smart Controller Interface Diagram. This diagram labels the various buttons and display elements on the smart controller, including Controller Mode, Alert Icons, Probe Temp, Humidity, Setting, and Fan Speed.

5.1. Basic Controls

- **Power On/Off:** Press the power button on the controller to turn the fan on or off.
- **Mode Button:** Cycle through different operating modes (e.g., Auto Mode, Manual Mode).
- **Up/Down Buttons:** Adjust temperature, humidity, speed levels, or timer settings.
- **Setting Button:** Confirm selections or access advanced settings.

5.2. Smart Temperature and Humidity Control

In Auto Mode, the fan automatically adjusts its speed based on environmental changes to maintain optimal temperature and humidity levels. You can set desired temperature and humidity ranges.

- **Temperature Setting:** Use the Up/Down buttons to set your desired temperature range (e.g., 32°F-212°F). The fan will activate to cool or warm the area as needed.
- **Humidity Setting:** Adjust the desired humidity range (e.g., 0-100%). The fan will help reduce or increase humidity to meet the set parameters.
- **10-Level Speed Adjustment:** The fan offers 10 adjustable speed levels. In manual mode, you can select the desired speed. In auto mode, the controller will automatically select the optimal speed.
- **9-Hour Timer:** Utilize the built-in timer function to schedule fan operation for up to 9 hours, enhancing energy efficiency.

INTELLIGENT HUMIDITY CONTROL



Image: Intelligent Temperature Control. This image demonstrates how the fan's intelligent control system can reduce temperature from 85°F to 70°F, illustrating its effectiveness in maintaining desired conditions.



Image: Intelligent Humidity Control. This image shows the fan's ability to reduce humidity from 80% to 40%, demonstrating its effectiveness in managing moisture levels.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your HG Power fan.

- **Cleaning:** Periodically clean the fan blades and housing to prevent dust buildup, which can reduce efficiency. Use a soft, damp cloth. Do not use harsh chemicals.
- **Inspection:** Regularly check the power cord and connections for any signs of damage. Ensure the shutters operate smoothly.
- **Motor:** The EC motor is designed for high performance and low maintenance. It is permanently lubricated and thermally protected.



Image: EC Motor Efficiency. This image highlights the efficiency of the EC motor, showing 50% more efficiency and 20% lower energy consumption compared to AC motors.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not turn on.	No power, loose connection, or controller issue.	Check power outlet, ensure all connections are secure, and verify controller settings.
Fan is excessively noisy.	Obstruction in blades, loose mounting, or motor issue.	Inspect blades for obstructions, tighten mounting screws, or contact support if motor noise persists.
Temperature/Humidity not regulating.	Incorrect controller settings or sensor malfunction.	Verify desired temperature/humidity settings on the controller. Ensure the sensor is clean and unobstructed.

8. SPECIFICATIONS (MODEL PM982)

- **Brand:** HG Power
- **Model Number:** PM982
- **Electric Fan Design:** Exhaust Fan
- **Air Flow Capacity:** 971 Cubic Feet Per Minute (CFM)
- **Speed:** 1500 RPM
- **Voltage:** 110 Volts (AC)
- **Wattage:** 39 watts
- **Noise Level:** 55 Decibels
- **Number of Power Levels:** 10
- **Controller Type:** Programmable Controller (Smart Temperature Humidity Controller)
- **Mounting Type:** Wall Mount, Window Mount, Ceiling Mount
- **Material:** Aluminum Alloy (Blades), Powder-Coated Steel (Frame)
- **Product Dimensions:** 7.5D x 14.6W x 14.6H Centimetres (approx. 12.3 x 12.3 inch installation size)
- **Special Features:** Timer, Smart Thermostat, Humidity Control
- **Indoor/Outdoor Usage:** Indoor, Outdoor



Your intelligent ventilation partner

**Exhaust
cloudy air**

**Remove
floating dust**

**Take away hot,
stale air**

**Neutralize
unpleasant
odors**

Image: HG Power Exhaust Fan Specifications Diagram. This image provides a detailed breakdown of the fan's dimensions, voltage, frequency, power, airflow, speed, static pressure, and controller details.

9. WARRANTY AND SUPPORT

HG Power products are designed for durability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official HG Power website.

Please retain your proof of purchase for any warranty claims.

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

Answered questions about this manual

Why is my HG Power PM982 attic fan quietly beeping even though I have the alarm set to off?

If your HG Power PM982 smart controller is beeping while the alarm is supposedly off, it usually indicates a triggered alert condition or a sensor issue rather than a standard scheduled alarm. Please check...

[Read full answer](#)