

CATA E100G-BK

CATA E100G-BK Exhaust Fan User Manual

Model: E100G-BK

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your CATA E100G-BK Exhaust Fan. Designed for use in kitchens, bathrooms, and offices, this fan helps maintain air quality by circulating air, controlling moisture, and removing odors and pollutants. Please read these instructions carefully before use and retain them for future reference.

2. PRODUCT FEATURES

The CATA E100G-BK Exhaust Fan incorporates several features designed for optimal performance and user convenience:

- **Ventilation:** Effectively circulates air to prevent the buildup of pollutants, moisture, and unpleasant odors.
- **Moisture Control:** Crucial for removing excess moisture in bathrooms and kitchens, preventing mold and mildew growth.
- **Air Quality Improvement:** Expels airborne pollutants, allergens, and odors for a healthier environment.
- **Temperature Regulation:** Helps regulate indoor temperatures by removing hot air and facilitating better air exchange.
- **Energy Efficiency:** Designed to reduce the need for air conditioning and prevent heat accumulation.
- **Automatic Shutter System:** Provides dust protection and prevents backdraught.
- **Easy Cleaning:** Designed for straightforward maintenance.
- **Lightweight and Quick Fix Grip:** Facilitates easier installation.
- **Water Resistant:** Suitable for humid environments like bathrooms.
- **Infra-red Sensor:** Activates the fan based on presence detection.
- **Humidity Sensor with Display:** Monitors and displays humidity levels.
- **Temperature/LED Timer Display:** Provides temperature readings and timer functionality.



Figure 1: Unique Features Overview. This diagram highlights key components and functionalities: Front Panel Glass Material, Infra-red Sensor, Backdraught Shutter, Humidity Sensor with Display, Noise Level 17 dB, Ambient Temperature 40°C, Housing, Impeller, LED (Plastic), 220-240V (50/60 Hz) Motor, Energy Efficiency, Temperature/LED Timer Display, Black and White Colour options, and a 2 Years Warranty.

3. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Always disconnect power at the circuit breaker before installing, servicing, or cleaning the unit.
- Do not install the fan directly above a shower or bathtub unless specifically rated for such use and protected by a Ground Fault Circuit Interrupter (GFCI).
- Ensure proper grounding to prevent electrical shock.
- Keep hands and foreign objects away from the fan blades during operation.
- Do not use the fan in areas where flammable or explosive gases are present.
- Ensure adequate ventilation for combustion appliances to prevent backdrafting.
- The ambient temperature should not exceed 40°C.

4. PACKAGE CONTENTS

Verify that all components are present in the package:

- CATA E100G-BK Exhaust Fan Unit
- Power Cord
- Instruction Manual (this document)

5. SETUP AND INSTALLATION

Installation should be carried out by a qualified professional. The fan is designed for wall mounting.

1. **Choose Location:** Select a suitable wall-mount location in the bathroom, kitchen, or office, ensuring adequate space for the fan's dimensions (8.8D x 15.8W x 15.8H Centimeters).
2. **Prepare Opening:** Create an opening in the wall that matches the fan's dimensions.
3. **Wiring:** Connect the power cord to the electrical supply (220-240V, 50/60Hz). Ensure all wiring is secure and compliant with electrical standards. The fan includes a thermal cut-out for safety.
4. **Mounting:** Insert the fan into the prepared opening. Utilize the Quick Fix Grip for secure installation. Ensure the Automatic Shutter System is free to operate.
5. **Seal:** Seal any gaps around the fan to prevent air leakage and ensure efficient operation.
6. **Power Connection:** Restore power at the circuit breaker.

6. OPERATING INSTRUCTIONS

The CATA E100G-BK Exhaust Fan offers automated and manual control options:

- **Power On/Off:** Use the designated wall switch to turn the fan on or off.
- **Infra-red Sensor Activation:** The fan is equipped with an Infra-red Sensor that detects presence. When motion is detected, the fan will activate automatically. It will continue to run for a set period after no presence is detected.
- **Humidity Sensor:** The integrated Humidity Sensor with Display monitors the ambient humidity. The fan may activate automatically when humidity levels exceed a preset threshold to reduce moisture.
- **Temperature/LED Timer Display:** This display shows the current temperature and allows for setting a timer for fan operation. Refer to the specific controls on the unit for timer adjustment.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your exhaust fan. Always disconnect power before performing any maintenance.

1. **Cleaning the Exterior:** Wipe the polished exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
2. **Cleaning the Interior/Blades:** The fan features an Easy Cleaning design. Carefully remove the front grille (if detachable) and gently clean the fan blades and interior housing with a soft brush or cloth. Ensure the Dust Protection Shutters are also clean and free from obstruction.
3. **Check for Obstructions:** Periodically check that the air intake and exhaust vents are free from dust, lint, or other obstructions.
4. **Electrical Connections:** Annually, have a qualified electrician inspect the electrical connections for tightness and signs of wear.

8. TROUBLESHOOTING

If you encounter issues with your CATA E100G-BK Exhaust Fan, refer to the following common problems and solutions:

- **Fan Does Not Turn On:**

- Check if the power switch is in the 'ON' position.
- Verify that the circuit breaker has not tripped.
- Ensure the power cord is securely connected.
- If using the Infra-red Sensor, ensure there is movement within its detection range.

- **Low Airflow:**

- Check for obstructions in the fan grille or exhaust duct.
- Clean the fan blades and housing as described in the Maintenance section.
- Ensure the Automatic Shutter System is opening fully.

- **Excessive Noise (above 60 Decibels):**

- Ensure the fan is securely mounted and not vibrating against the wall.
- Check for loose components or debris inside the fan housing.
- If the noise persists, contact customer support.

- **Sensor Malfunction (Infra-red or Humidity):**

- Ensure the sensor lens is clean and unobstructed.
- If the sensor is not responding correctly, contact customer support.

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

9. SPECIFICATIONS

Brand	CATA
Model Name	E-100 G BK
Electric Fan Design	Exhaust Fan
Colour	White
Power Source	Corded Electric
Voltage	220-240 Volts (50/60Hz)
Product Dimensions	8.8D x 15.8W x 15.8H Centimeters
Item Weight	600 g
Room Type	Bathroom, Kitchen, Office
Recommended Uses	Bathroom
Special Features	Automatic Shutter System, Easy Cleaning, Lightweight, Quick Fix Grip, Water Resistant, Infra-red Sensor, Humidity Sensor, Thermal Cut-Out

Noise Level	60 Decibels (max)
Air Flow Capacity	130 Cubic Feet Per Hour
Finish Type	Polished
Included Components	Cord
Manufacturer	CATA Electrodomesticos India (P) Ltd.

10. WARRANTY

The CATA E100G-BK Exhaust Fan comes with a **2-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and faulty materials under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized repairs. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official CATA website or contact customer support.

11. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact CATA customer support:

- **Manufacturer:** CATA Electrodomesticos India (P) Ltd.
- **Website:** www.cata.com (Please check for regional support contact information)
- **Email:** Refer to the official website for contact email.
- **Phone:** Refer to the official website for contact phone numbers.

When contacting support, please have your product model (E100G-BK) and proof of purchase readily available.