

## Utilitech 1.5-Sone 100-CFM Bathroom Fan

# Utilitech 1.5-Sone 100-CFM White Bathroom Fan Instruction Manual

Model: 1.5-Sone 100-CFM Bathroom Fan

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Utilitech 1.5-Sone 100-CFM White Bathroom Fan. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Utilitech easy fit ventilation fan is a compact bath ventilation fan designed for quiet, powerful operation. It features an Energy Star compliant DC brushless motor, which reduces power consumption and extends the fan's lifespan and reliability. Its small, simple grill design integrates neatly into various bathroom spaces.

## 2. SAFETY INFORMATION

**WARNING:** To reduce the risk of fire, electric shock, or injury to persons, observe the following:

- Install this fan only in accordance with the instructions provided in this manual.
- Always disconnect power at the service panel before servicing or cleaning the unit.
- Ensure all wiring is done by a qualified electrician and conforms to all applicable codes and standards.
- Do not use this fan in a kitchen or where excessive grease or oil is present.
- This unit is designed for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- Duct work must be installed in a straight line with minimal bends to ensure optimal performance.
- Always use appropriate safety gear, including gloves and eye protection, during installation and maintenance.

## 3. SETUP AND INSTALLATION

The Utilitech fan features an easy-fit installation design, where the housing directly replaces common bath fan housing sizes, potentially eliminating the need for drywall cutting.

### 3.1 Tools Required

- Screwdriver (Phillips and Flathead)
- Drill
- Wire Strippers
- Measuring Tape
- Utility Knife (if drywall modification is needed)
- Safety Glasses and Gloves

### 3.2 Installation Steps

1. **Prepare the Opening:** Ensure the ceiling opening is appropriately sized for the fan housing (Product Dimensions: 8 x 8 x 5 inches). The easy-fit design is intended to simplify this step.
2. **Mount the Housing:** Secure the fan housing to the ceiling joists using appropriate fasteners. Ensure it is level and firmly attached.
3. **Connect Ductwork:** Attach the ventilation duct to the fan's exhaust port. Ensure a tight, sealed connection to prevent air leakage. The fan has a black circular exhaust port visible in the product image.
4. **Electrical Wiring:** Connect the electrical wiring according to local electrical codes. This typically involves connecting the fan's wires to the household electrical supply. Refer to the wiring diagram provided with the physical product.
5. **Install Grille:** Once the housing and wiring are complete, attach the white grille cover to the fan housing. Ensure it snaps securely into place.



*Image 1: The Utilitech 1.5-Sone 100-CFM White Bathroom Fan, showing its white grille, metal housing, and black exhaust duct. This image illustrates the overall appearance and key components of the fan.*

## **4. OPERATING INSTRUCTIONS**

The Utilitech bathroom fan operates by drawing air from the bathroom and expelling it through the ductwork to the outside. It is designed for continuous operation if desired, with its Energy Star compliant DC brushless motor capable of running continuously for 70,000 hours.

### **4.1 Powering On/Off**

The fan is typically controlled by a standard wall switch connected during installation. Flip the switch to the 'ON' position to activate the fan and to the 'OFF' position to deactivate it.

### **4.2 Optimal Use**

For best results in moisture and odor removal, operate the fan during and after showering or bathing for at least 15-20 minutes to ensure proper ventilation of the bathroom space.

## **5. MAINTENANCE**

Regular maintenance ensures the longevity and optimal performance of your Utilitech bathroom fan. Always disconnect power at the circuit breaker before performing any maintenance.

## 5.1 Cleaning the Grille

- Turn off power to the fan at the circuit breaker.
- Gently pull down the grille to remove it from the housing.
- Wash the grille with mild soap and water. Rinse thoroughly and allow it to dry completely before reinstallation.
- Wipe down the visible parts of the fan housing with a damp cloth.
- Reattach the grille by pushing it firmly back into place until it snaps securely.

## 5.2 Motor and Fan Blade Cleaning (Annual)

- Turn off power to the fan at the circuit breaker.
- Remove the grille as described above.
- Carefully disconnect any electrical connections to the motor if necessary for access, noting their positions.
- Use a vacuum cleaner with a brush attachment or a soft cloth to remove dust and debris from the motor housing and fan blades. Do not use water directly on electrical components.
- Reassemble all components and restore power.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the fan; Loose wiring connection; Faulty switch.	Check circuit breaker; Verify wiring connections; Test or replace switch.
Fan is noisy.	Dirty fan blades or motor; Loose mounting screws; Obstruction in ductwork.	Clean fan blades and motor; Tighten mounting screws; Check ductwork for obstructions.
Poor ventilation performance.	Clogged grille or fan blades; Restricted ductwork; Incorrect fan size for room.	Clean grille and fan blades; Inspect ductwork for kinks or blockages; Ensure fan CFM matches room size requirements.

## 7. SPECIFICATIONS

**Model:** Utilitech 1.5-Sone 100-CFM White Bathroom Fan

**Air Flow Capacity:** 100 Cubic Feet Per Minute (CFM)

**Noise Level:** 1.5 Sones

**Product Dimensions:** 8 x 8 x 5 inches

**Weight:** 3 Pounds

**Power Source:** Corded Electric

**Motor Type:** Energy Star compliant DC brushless motor

**Continuous Operation:** Capable of running continuously for 70,000 hours

**Color:** White

**Manufacturer:** Utilitech

## 8. WARRANTY AND SUPPORT

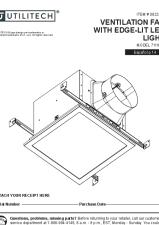
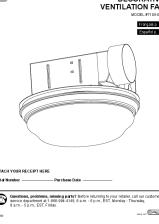
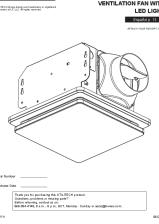
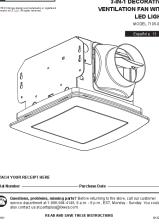
For warranty information and technical support, please refer to the documentation included with your purchase or contact Utilitech customer service directly. Keep your proof of purchase for warranty claims.

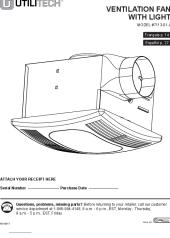
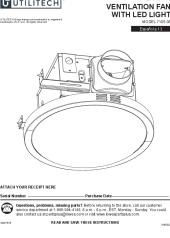
This refurbished product is tested and certified to look and work like new. The refurbishing process includes functionality testing, basic cleaning, inspection, and repackaging. The product ships with all relevant accessories, and may arrive in a generic box.

For further assistance, please visit the official Utilitech website or contact their customer support line.

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### Related Documents - 1.5-Sone 100-CFM Bathroom Fan

	<p><a href="#"><u>Utilitech 7116-02 Ventilation Fan with Edge-Lit LED Light Installation and Operation Manual</u></a></p> <p>This manual provides detailed instructions for the installation, operation, care, and troubleshooting of the Utilitech 7116-02 Ventilation Fan with Edge-Lit LED Light. It includes product specifications, package contents, safety information, and warranty details.</p>
	<p><a href="#"><u>Utilitech Decorative Ventilation Fan Model 7105-03-L Installation and User Manual</u></a></p> <p>Comprehensive installation and user manual for the Utilitech Decorative Ventilation Fan, Model #7105-03-L. Includes product specifications, safety information, new and existing construction assembly instructions, care, maintenance, troubleshooting, and warranty details for this 70 CFM exhaust fan.</p>
	<p><a href="#"><u>Utilitech Ventilation Fan with LED Light Installation and Operation Manual</u></a></p> <p>This manual provides detailed instructions for the installation, operation, and maintenance of the Utilitech Ventilation Fan with LED Light (Model # 7141-80-L). It includes safety information, product specifications, package contents, wiring diagrams, installation steps for new and existing constructions, care and cleaning guidelines, troubleshooting tips, and warranty information.</p>
	<p><a href="#"><u>Utilitech 7105-08-L 3-in-1 Decorative Ventilation Fan with LED Light Installation Guide</u></a></p> <p>This guide provides comprehensive instructions for installing the Utilitech 7105-08-L 3-in-1 decorative ventilation fan with LED light. It includes product specifications, safety warnings, preparation steps, detailed installation procedures for new and existing construction, care and cleaning instructions, troubleshooting tips, and warranty information.</p>

	<p><a href="#"><u>Utilitech Ventilation Fan with Light - Model 7113-01-L Installation Guide</u></a></p> <p>Comprehensive installation guide and user manual for the Utilitech Ventilation Fan with Light, Model #7113-01-L. Includes product specifications, assembly instructions for new and existing construction, care, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#"><u>Utilitech Ventilation Fan with LED Light - Model 7105-06 Installation &amp; User Manual</u></a></p> <p>Comprehensive installation and user manual for the Utilitech Model 7105-06 Ventilation Fan with integrated LED Light. Includes product specifications, package contents, safety guidelines, wiring diagrams, troubleshooting, and warranty information.</p>