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TerraBloom TB-MFIF-8

TerraBloom 8 Inch (200 mm) Inline Fan Instruction Manual

Model: TB-MFIF-8

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TerraBloom 8 Inch (200 mm) Inline Fan, Model TB-MFIF-8. This fan is designed for effective ventilation in various applications, including grow tents, HVAC air boosting, and exhaust of heat, odor, and humidity. Please read these instructions thoroughly before installation and use, and retain them for future reference.

2. SAFETY INFORMATION

Adherence to the following safety precautions is crucial to prevent injury and damage to the product.

- Always disconnect the power supply before performing any service or maintenance.
- Ensure the fan is installed in a location where it is protected from water and excessive moisture.
- Do not operate the fan with a damaged cord or plug. If damaged, contact qualified personnel for repair or replacement.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not insert fingers or foreign objects into the fan grille or motor housing.
- Ensure proper grounding as per local electrical codes. The fan is pre-wired with a 6 FT grounded cord.
- Do not use this fan in explosive atmospheres or near flammable materials.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- TerraBloom 8 Inch Inline Fan (TB-MFIF-8)

- Built-in Speed Controller with 6 FT Grounded Cord
- Installation Bracket

4. PRODUCT OVERVIEW

The TerraBloom TB-MFIF-8 is an 8-inch inline duct fan designed for high-performance ventilation. It features a mixed-flow impeller and a built-in speed controller for adjustable airflow.



Figure 4.1: TerraBloom 8 Inch Inline Fan (TB-MFIF-8) with integrated speed controller.

MFIF FAN COMPONENTS

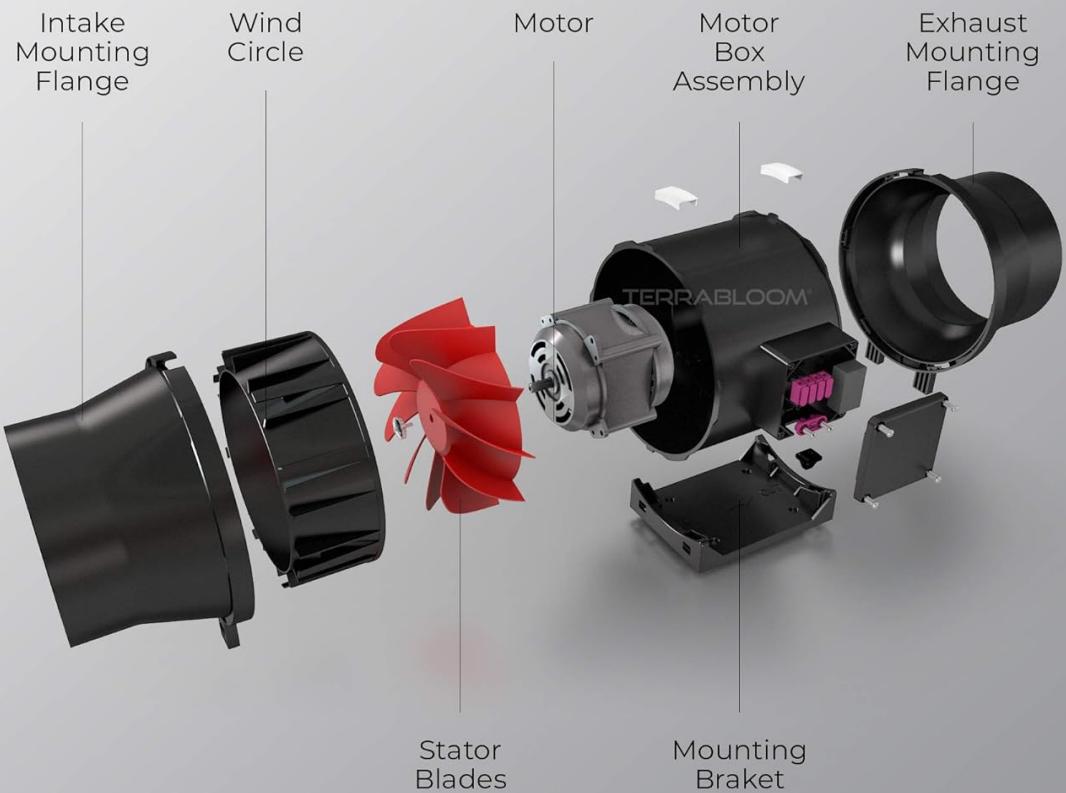


Figure 4.2: Exploded view illustrating the internal components of the inline fan.

Key Features:

- Strong Output: 735 CFM (205W) AC Motor
- Adjustable Speed: 60-100% via included speed controller
- Mixed-Flow Impeller: Resists static pressure
- ETL Listed for safety and quality assurance

5. SETUP & INSTALLATION

The fan is designed for straightforward installation. The installation bracket indicates the direction of airflow.

FAN DETAILS

MODEL TB-MFIF-8
DUCT DIAMETER 8" (200MM)
AIRFLOW 735 CFM
POWER CONSUMPTION 205W

STATIC PRESSURE 352 Pa (36mm H₂O)
SPEED CONTROLLER VARIABLE
RHEOSTAT (60-100% RANGE)
CURRENT 1.59A



Figure 5.1: Fan dimensions and specifications for installation planning.

Installation Steps:

- Choose Location:** Select a suitable location for the fan, ensuring it is easily accessible for maintenance and has adequate space for ducting.
- Mounting:** Use the provided installation bracket to securely mount the fan. The bracket has different openings in the front and back to ensure installation in the correct direction of airflow. Ensure the fan is mounted firmly to prevent vibration and noise.
- Duct Connection:** Connect appropriate 8-inch ducting to both the intake and exhaust flanges of the fan. Use duct clamps (not included) to secure the ducting tightly to prevent air leaks.
- Electrical Connection:** Plug the pre-wired 6 FT grounded cord into a standard 110V AC electrical outlet. Ensure the outlet is properly grounded.
- Airflow Direction:** The fan is designed to pull air from one end and push it out the other. The installation bracket indicates the intended airflow direction. Ensure your ducting setup aligns with this direction for optimal performance.

6. OPERATING INSTRUCTIONS

The TerraBloom inline fan features a built-in speed controller for adjusting airflow.

Using the Speed Controller:

- Power On:** Once installed and connected to power, the fan is ready for operation.
- Adjust Speed:** Use the dial on the inline speed controller to adjust the fan's speed. The controller allows for a speed range of 60% to 100% of maximum airflow.
- Monitor Performance:** Observe the airflow and adjust the speed as needed to achieve desired ventilation levels.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan.

Cleaning:

- Disconnect Power:** Always unplug the fan from the power source before cleaning.
- Exterior Cleaning:** Wipe the exterior of the fan with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Impeller Cleaning:** Periodically inspect the impeller blades for dust and debris accumulation. If necessary, carefully remove any buildup using a soft brush or compressed air. Avoid bending the blades.
- Ducting Inspection:** Check connected ducting for blockages or damage that could impede airflow.

No lubrication is required for the fan motor.

8. TROUBLESHOOTING

Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Damaged cord/plug Speed controller set to minimum	Check power outlet and connections Inspect cord for damage; replace if necessary Adjust speed controller dial
Reduced airflow	Ducting blockage Dirty impeller blades Speed controller set too low	Inspect and clear ducting Clean impeller blades (see Maintenance) Increase fan speed
Excessive noise/vibration	Loose mounting Debris in impeller Damaged motor/bearings	Ensure fan is securely mounted Clean impeller blades Contact customer support if noise persists after cleaning and securing

9. SPECIFICATIONS

Technical details for the TerraBloom 8 Inch Inline Fan (TB-MFIF-8).

Specification	Value
Brand	TerraBloom
Model Name	TB-MFIF-8
Duct Diameter	8 Inches (200 mm)
Air Flow Capacity	735 Cubic Feet Per Minute (CFM)
Power Source	Corded Electric
Voltage	110 Volts (AC)
Wattage	205 watts
Noise Level	60 dB
Speed	2450 RPM
Control Method	Dial (Built-in Speed Controller)
Product Dimensions	11.25"D x 7.65"W x 9.25"H
Item Weight	7.7 Pounds
Finish Type	Plastic
Specification Met	ETL

10. WARRANTY INFORMATION

TerraBloom products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official TerraBloom website. Keep your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your TerraBloom inline fan, please contact our customer support team. Refer to the contact information provided on the product packaging or the official TerraBloom website for the most current support details.

Related Documents - TB-MFIF-8

	<p>TerraBloom Carbon Filters User Manual</p> <p>User manual for TerraBloom Carbon Filters, detailing product features, application tips, performance data, and installation instructions. Includes information on recommended fan pairings and maintenance.</p>
	<p>Spider Farmer Inline Fan User Manual: Mixed-Flow Ventilation Guide</p> <p>Comprehensive user manual for the Spider Farmer Mixed-Flow Inline Fan. Learn how to install, operate, and control your fan using speed controllers, GGS controllers, or power strip kits for optimal indoor grow environments.</p>
	<p>Centrometal TB Series Stainless Steel Water Heater Technical Instructions</p> <p>Comprehensive technical instructions for Centrometal TB series stainless steel water heaters (models TB 120-850), covering installation, use, maintenance, and technical specifications. Includes diagrams, data tables, and conformity declarations.</p>
	<p>VEVOR Polyester Table Cloth User Manual and Specifications</p> <p>User manual and specifications for the VEVOR Polyester Table Cloth (Model Series RD-TB). Learn about product features, usage precautions, cleaning, and technical details.</p>
	<p>VEVOR Polyester Table Cloth - Model RD-TB Series - Care and Specifications</p> <p>Official instructions and specifications for VEVOR Polyester Table Cloths, model series RD-TB. Learn about product features, parameters, usage precautions, and cleaning.</p>