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VEVOR EXP-25/10

VEVOR Explosion Proof Fan 10 Inch (Model: EXP-25/10) Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation, installation, and maintenance of your VEVOR Explosion Proof Fan 10 Inch, Model EXP-25/10. Please read this manual thoroughly before using the product and retain it for future reference. This industrial portable ventilator is designed for efficient air extraction, ventilation, dust removal, and cooling in various environments, including confined spaces, warehouses, workshops, crawl spaces, and basements.

2. Safety Instructions

WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Connection:** This unit is supplied with a power cord but**without a plug**. Electrical connection must be performed by a qualified electrician in accordance with all local and national electrical codes. Incorrect wiring can lead to severe hazards. Ensure proper grounding.
- **Explosion-Proof Certification:** The fan is ATEX explosion-proof certified, ensuring safe operation in potentially explosive atmospheres. However, always verify the suitability of the environment and ensure all other equipment in the area also meets explosion-proof standards.
- **Water Resistance:** The fan has an IP44 waterproof rating, making it suitable for use in damp environments. Avoid direct exposure to high-pressure water jets or submersion.
- **Thermal Protection:** The motor is equipped with thermal protection to prevent overheating. If the fan shuts off unexpectedly, disconnect power, allow it to cool, and check for obstructions before restarting.
- **Operating Environment:** Use the fan only in environments for which it is rated. Do not block air intake or exhaust. Maintain a safe distance from flammable materials.
- **Noise Level:** The fan operates at approximately 75 dB. Use appropriate hearing protection in prolonged exposure situations.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Children and Pets:** Keep children and pets away from the operating fan.

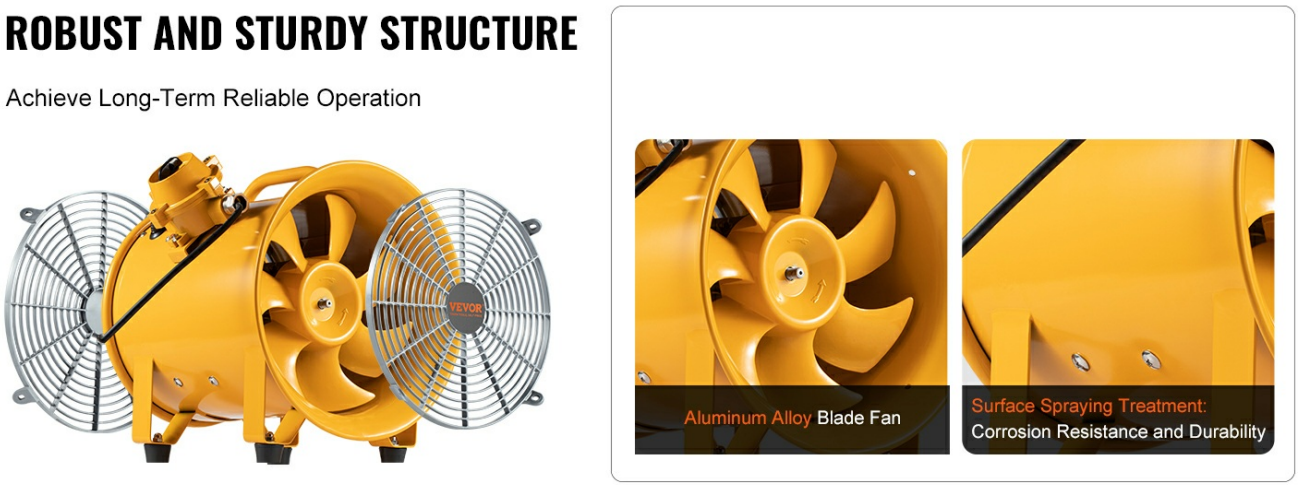

Image: VEVOR Explosion Proof Fan highlighting its robust construction, ETL security certification, 1.5mm thick steel, and corrosion-resistant & rust-proof spraying.

3. Product Overview

3.1 Features

- **Powerful & Energy-Efficient:** Equipped with a 350W AC motor, delivering 1942 CFM airflow for effective dust, fume, and hot air removal.
- **Reliable and Durable Design:** Sturdy steel structure with ETL certification. Corrosion-resistant coating ensures long-term operation.
- **Portable and Lightweight:** Features a portable handle, non-slip rubber feet, and a 9.8-foot power cord for easy transport and flexible placement.
- **Safety Protection:** IP44 waterproof rating, thermal protection, and ATEX explosion-proof certification for secure operation in various conditions.
- **Versatile Applications:** Ideal for ventilation, dust removal, and cooling in diverse work settings such as warehouses, workshops, crawl spaces, and basements.

3.2 Components

The VEVOR Explosion Proof Fan consists of the following main components:

- **Fan Housing:** Durable steel construction, powder-coated for corrosion resistance.
- **Motor:** High-performance 350W AC motor.
- **Blades:** 7 aluminum alloy blades designed for high velocity and large airflow.
- **Protective Grills:** Front and rear grills for safety.
- **Portable Handle:** Integrated handle for easy carrying.
- **Rubber Feet:** Non-slip feet for stable placement and vibration reduction.
- **Power Cord:** 9.8 ft (3m) power cord (without plug).
- **Control Button:** Simple button control for operation.



Image: Front view of the VEVOR Explosion Proof Fan 10 Inch, showcasing its robust yellow housing and protective grill.



Image: Side view of the VEVOR Explosion Proof Fan, highlighting the portable handle for easy lifting and the non-slip rubber feet for stable positioning.

▶ **Watch video online**
VEVOR Portable Blower/Exhaust Axial Hose Fan

Video: An official VEVOR video demonstrating the features and applications of the portable blower/exhaust axial hose fan, including its portable handle, rubber feet, and aluminum alloy blades for high velocity airflow.

4. Setup

1. **Unpacking:** Carefully remove the fan from its packaging. Inspect for any shipping damage. Retain packaging for future transport or storage.
2. **Placement:** Position the fan on a stable, level surface. Ensure adequate clearance around the intake and exhaust to allow for optimal airflow. The non-slip rubber feet provide stability.
3. **Power Connection (Professional Installation Required):** The fan is supplied with a 9.8 ft (3m) power cord but **does not include a plug**. It is imperative that a qualified and licensed electrician installs the appropriate plug or hardwires the unit according to all applicable local and national electrical codes. Ensure the power supply matches the fan's voltage and wattage requirements. Improper wiring can lead to electrical hazards and void the

warranty.

4. **Ducting (Optional):** If using with flexible ducting (not included), securely attach it to the fan's intake or exhaust port as needed for directed ventilation.

5. Operating Instructions

1. **Connect to Power:** After professional installation of the power plug, connect the fan to a suitable electrical outlet.
2. **Turn On:** Locate the control button on the unit. Press the button to turn the fan on.
3. **Operation:** Allow the fan to operate as needed for ventilation, air circulation, or exhaust. Monitor the fan for any unusual noises or vibrations.
4. **Turn Off:** Press the control button again to turn the fan off. Disconnect from the power source when not in use for extended periods.

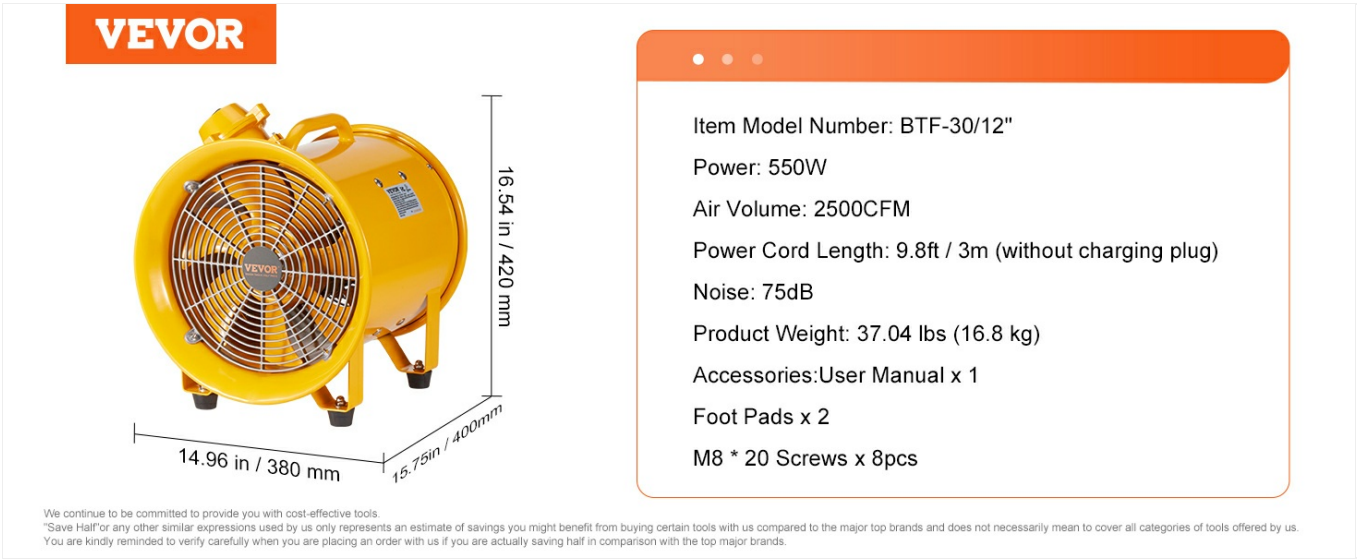

Image: The VEVOR Explosion Proof Fan shown in various industrial and renovation settings, demonstrating its versatility for ventilation, dust removal, and cooling in multiple workplaces.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your fan.

- **Disconnect Power:** Always unplug the fan from the power source before performing any cleaning or maintenance.
- **Cleaning:** Use a soft, damp cloth to wipe down the exterior of the fan. For the fan blades and grills, use a brush or vacuum cleaner to remove dust and debris. Ensure no moisture enters the motor housing.
- **Inspection:** Periodically inspect the power cord for any signs of damage (fraying, cuts). Check the fan blades for any cracks or deformities. Ensure all fasteners are tight.
- **Storage:** When not in use, store the fan in a clean, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your fan, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Power cord damaged Thermal overload activated	Check power connection and outlet Inspect power cord for damage; replace if necessary (by qualified personnel) Disconnect power, allow to cool, check for obstructions, then restart
Reduced airflow	Blocked intake/exhaust Dirty fan blades Motor issue	Clear obstructions Clean fan blades and grills Contact VEVOR support
Unusual noise or vibration	Loose components Debris in fan Unstable placement	Check and tighten fasteners Disconnect power and remove debris Ensure fan is on a stable, level surface

8. Specifications



Image: Diagram showing the dimensions of the VEVOR Explosion Proof Fan and a list of key specifications including power, air volume, noise level, and accessories.

Specification	Value
Model Number	EXP-25/10
Brand	VEVOR
Electric Fan Design	Exhaust Fan
Power Source	AC
Style	Explosion Proof Fan
Product Dimensions (D x W x H)	13.78"D x 13.58"W x 14.96"H
Special Features	Cylinder, Explosion Proof, High Velocity, Portable
Recommended Uses	Exhausting, Ventilating

Specification	Value
Mounting Type	Floor Mount
Controller Type	Button Control
Wattage	350 watts
Number of Blades	7
Air Flow Capacity	1942 Cubic Feet Per Minute (CFM)
Speed	3450 RPM
Indoor Outdoor Usage	Indoor
Material	Alloy Steel
Specification Met	ETL
Included Components	Portable Ventilator Explosion Proof x 1

9. Warranty and Support

For warranty information, technical support, or service inquiries, please contact VEVOR customer service through their official website or the retailer from whom you purchased the product. Please have your model number (EXP-25/10) and purchase details ready when contacting support.

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