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VEVOR HAB-612W

VEVOR Register Booster Fan (Model HAB-612W) User Manual

Model: HAB-612W

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VEVOR Register Booster Fan, Model HAB-612W. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

Safety Instructions

- Ensure the power supply voltage matches the fan's requirements (110V).
- Do not operate the fan with a damaged cord or plug. If damaged, contact VEVOR support.
- Keep fingers and foreign objects away from the fan blades during operation.
- Do not immerse the fan or its electrical components in water or other liquids.
- Unplug the fan from the power outlet before cleaning or performing any maintenance.
- 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 block the air inlets or outlets.
- Install the fan securely in the vent opening to prevent accidental dislodgement.

Package Contents

Verify that all items are present in your package:

- VEVOR Register Booster Fan (1 unit)
- Remote Control (1 unit)
- Power Adapter (1 unit)
- Mounting Screws (2 units)
- Cable Ties (for cord management, quantity may vary)



Item Model Number:	HAB-612W	**Airflow:**	160CFM
Power:	3.8W	**Fit Duct Size:**	12-12.6 x 5.12-6.7 inch
Noise:	Lowest Noise Level: 18 dB	**Control Method:**	LCD Panel & Remote Control
Material:	Aluminum	**Power Cord:**	12 ft / 3.6 mm
Remote Control:	≤4m / 13ft	**Color:**	White
Weight:	2 lbs / 0.9 kg	**Hole to Hole Distance:**	13 inch / 329 mm

Image: Contents of the VEVOR Register Booster Fan package, including the fan unit, remote control, power adapter, and mounting screws.

Product Features

- **Compatible Vent Size:** Designed for standard 6 x 12 inch (12-12.6 x 5.12-6.7 inch) floor or wall vents.
- **Remote Control:** Handheld remote for convenient adjustment of fan speed and modes from up to 26 feet away.
- **Programmable LCD Controller:** Features a temperature sensor for automatic airflow adjustment based on set room temperature. The screen automatically turns off to save power.
- **Energy-Efficient PWM DC Motor:** 6W motor reduces energy consumption. Operates quietly, with a lowest noise level of 18dB.
- **Optimal Airflow:** Improves air distribution from HVAC systems with a 160 CFM capacity and 10 adjustable speeds.
- **Durable Construction:** Aluminum frame with a refined surface.



Image: The VEVOR Register Booster Fan enhancing airflow from a heating or cooling duct into a living space.

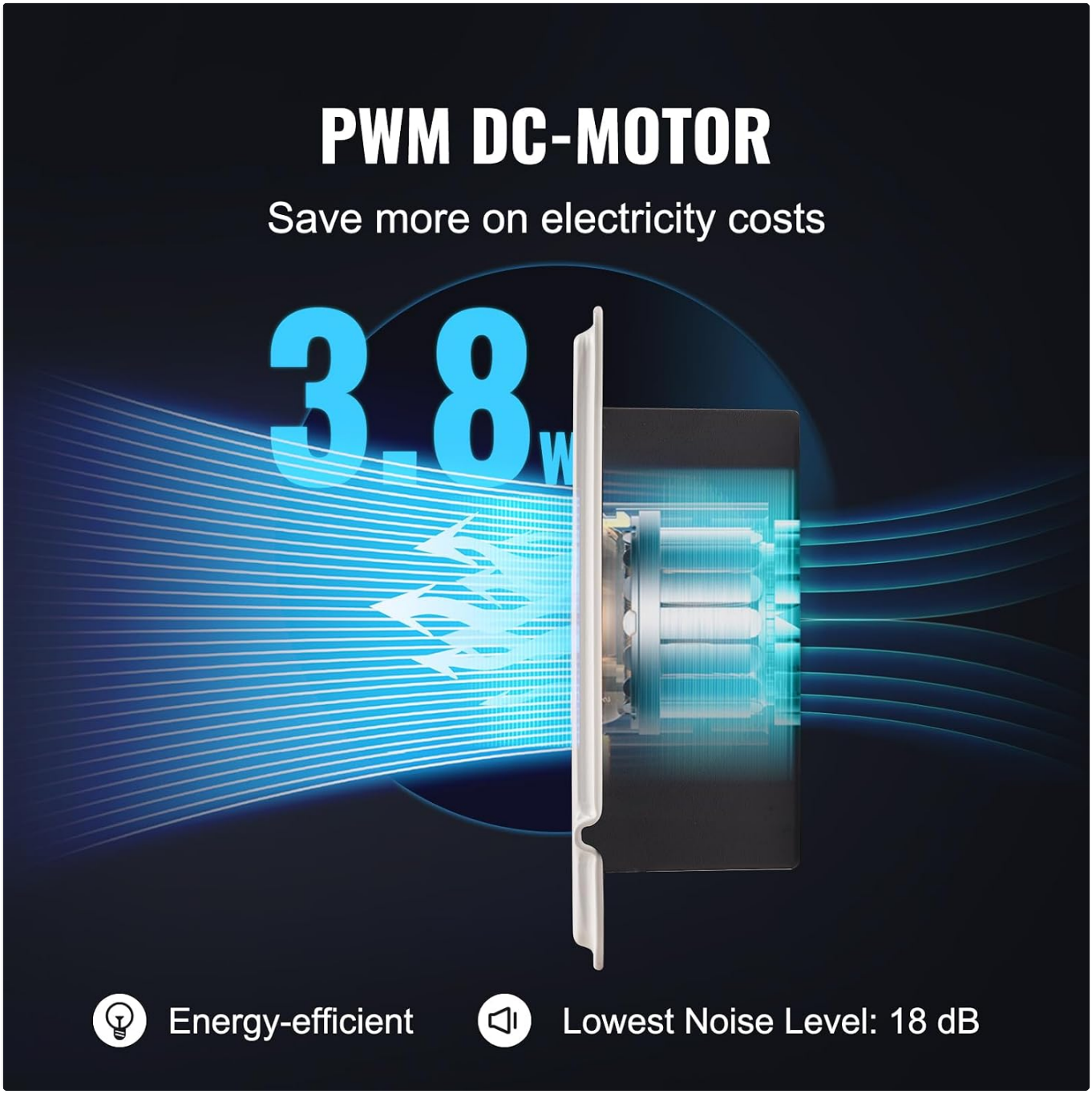


Image: An illustration demonstrating the energy-efficient PWM DC motor and low power consumption of the fan.

Setup and Installation

1. **Prepare the Vent Opening:** Ensure the existing vent opening is clean and clear of any obstructions. The fan is designed for openings between 12-12.6 inches in length and 5.12-6.7 inches in width.
2. **Position the Fan:** Carefully place the VEVOR Register Booster Fan into the vent opening. Ensure it sits flush with the floor or wall surface.
3. **Secure the Fan:** Use the provided mounting screws to secure the fan to the vent opening. This prevents movement and ensures stable operation.
4. **Connect Power:** Plug the power adapter into the fan unit, then plug the adapter into a standard 110V electrical outlet.
5. **Cable Management:** Use the included cable ties to neatly manage any excess power cord, preventing tripping hazards.



Image: Step-by-step visual guide for installing the booster fan into a standard floor vent opening.

Image: The booster fan shown installed in both a floor vent and a wall vent, demonstrating versatile placement options.

Operating Instructions

Using the LCD Controller

The fan features an integrated LCD controller for direct adjustments and monitoring.

- **Power On/Off:** Press the power button on the unit or remote to turn the fan on or off.
- **Mode Button:** Press the "Mode" button (three horizontal lines icon) to cycle through different operating modes (e.g., Temperature Control, Manual Speed).
- **Up/Down Arrows:** Use the "Up" and "Down" arrow buttons to adjust fan speed, set temperature, or navigate menu options depending on the selected mode.
- **Temperature Control Mode:** In this mode, the fan automatically adjusts its speed based on the ambient

temperature detected by its sensor and your set target temperature. The screen will display the current temperature and the target temperature.

- **Screen Auto-Off:** The LCD screen will automatically turn off after a period of inactivity to save power and prevent light disturbance.

Using the Remote Control

The remote control provides convenient access to all fan functions.

- **Power Button:** Turns the fan on or off.
- **Speed Adjustment:** Buttons labeled "SPEED" or arrow icons allow you to increase or decrease the fan speed (10 levels available).
- **Temperature Setting:** Buttons labeled "TEMP" or arrow icons allow you to set the desired temperature for automatic operation.
- **Mode Selection:** Buttons for "COOL" (snowflake icon) and "HEAT" (flame icon) to select the desired operating mode.
- **C/F Toggle:** Button to switch between Celsius and Fahrenheit temperature display.



Image: The programmable LCD controller displaying temperature, mode icons (cooling, heating), and fan speed settings.



Image: The remote control for the booster fan, illustrating its ease of use from a distance.

Maintenance

Regular maintenance ensures optimal performance and longevity of your VEVOR Register Booster Fan.

- **Cleaning:**
  - Before cleaning, always unplug the fan from the power outlet.
  - Wipe the exterior surfaces of the fan with a soft, damp cloth. Do not use abrasive cleaners or solvents.
  - Periodically, use a vacuum cleaner with a brush attachment to remove dust and debris from the fan blades and grilles.
- **Storage:** If storing the fan for an extended period, unplug it, clean it thoroughly, and store it in a cool, dry place away from direct sunlight.

Troubleshooting

If you encounter issues with your VEVOR Register Booster Fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply; Power adapter not connected; Remote control batteries dead.	Check if the power adapter is securely plugged into both the fan and the wall outlet. Ensure the outlet has power. Replace remote control batteries.
Fan runs but airflow is weak.	Fan speed set too low; Obstruction in vent or fan; Dirty fan blades.	Increase fan speed using the controller or remote. Check for and remove any obstructions in the vent or around the fan. Clean fan blades and grilles.
Fan is noisy.	Fan speed set too high; Loose installation; Obstruction hitting blades.	Reduce fan speed. Ensure the fan is securely mounted in the vent opening. Check for any debris or objects interfering with the fan blades.
Remote control not working.	Dead batteries; Out of range; Obstruction between remote and fan.	Replace remote control batteries. Ensure you are within the 26-foot effective range. Remove any objects blocking the signal path.
Temperature control not accurate.	Sensor obstructed or dirty; Incorrect temperature setting.	Ensure the temperature sensor area is clean and unobstructed. Verify the desired temperature setting.

SPECIFICATIONS

Feature	Detail
Model Number	HAB-612W
Brand	VEVOR
Color	White
Material	Aluminum
Product Dimensions (D x W x H)	2"D x 13"W x 7.4"H (51mm D x 330mm W x 188mm H approx.)
Item Weight	1.98 lbs (0.9 kg)
Power Source	AC (110 Volts)
Power Consumption	3.8W (PWM DC Motor)
Air Flow Capacity	160 CFM (Cubic Feet Per Minute)
Noise Level	18 dB (lowest setting)
Number of Speeds	10
Control Method	LCD Panel & Remote Control
Remote Control Range	Up to 26 ft (8 meters)
Power Cord Length	12 ft (3.6 meters)

Feature	Detail
Fit Duct Size	12-12.6 x 5.12-6.7 inch
Recommended Uses	Ventilating, Heating, Cooling



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Image: Technical specifications and physical dimensions of the VEVOR Register Booster Fan.

Warranty and Support

VEVOR products come with a standard warranty. For specific warranty details, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official VEVOR website. You can also contact VEVOR customer service directly for assistance.

Official VEVOR Website: www.vevor.com

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