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› Havells Ventil Air DB 300mm Exhaust Fan User Manual

Havells Ventil Air DB

Havells Ventil Air DB Exhaust Fan User Manual

Model: Ventil Air DB (FHVVEMTDBB12)

1. INTRODUCTION

Thank you for choosing the Havells Ventil Air DB Exhaust Fan. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new exhaust fan. Please read this manual thoroughly before installation and use, and keep it for future reference.

The Havells Ventil Air DB is designed for effective ventilation in various indoor spaces, offering powerful performance and a robust build.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- Ensure the power supply matches the fan's voltage rating (230V).
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the fan with a damaged cord or plug.
- Keep fingers, hair, and loose clothing away from moving parts.
- Do not use the fan in areas where flammable liquids or gases are stored.
- Disconnect power before cleaning or performing any maintenance.
- The fan is designed for indoor use only.
- 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.

3. PRODUCT OVERVIEW

The Havells Ventil Air DB Exhaust Fan is engineered for efficient air circulation and ventilation. Key features include:

- **Heavy Duty Motor:** Equipped with a powerful motor for high performance.
- **Dual Ball Bearing System:** Ensures smooth and durable operation.
- **Bird Guard:** Integrated feature to prevent birds from entering when the fan is not operational.
- **Robust Construction:** Designed for long-lasting functionality and easy cleaning.
- **Metallic Finish:** Durable and aesthetically pleasing.



Figure 3.1: Front view of the Havells Ventil Air DB Exhaust Fan, showing the fan blades and protective grill.



Figure 3.2: Diagram highlighting key features such as electric fan design (Exhaust Fan), power source (Electric), special feature (High Velocity), and mounting type (Wall Mount).

4. SETUP AND INSTALLATION

The Havells Ventil Air DB Exhaust Fan is designed for wall mounting. Professional installation is recommended.

4.1. Unpacking

- Carefully remove the exhaust fan from its packaging.
- Verify that all components are present: 1 N Exhaust fan.
- Inspect the fan for any signs of damage during transit. Do not install if damaged.

4.2. Site Selection

- Choose a location on a wall that allows for effective ventilation, typically in kitchens or bathrooms.
- Ensure the wall material is strong enough to support the fan's weight (approx. 5.43 kg).
- The hole on the wall needs to be adequately sized to accommodate the fan and its front grill. Refer to the dimensions table below.

4.3. Dimensions and Mounting

Refer to the diagram and table below for precise dimensions required for installation.



Figure 4.1: Dimensional drawing of the Ventil Air DB Exhaust Fan, indicating measurements A, B, C, D, and E, along with the four mounting holes.

Table 4.1: Ventil Air DB Dimensions

Sweep	A	B	C	D	E
230 mm	310 mm	227.50 mm	242.75 mm	6.50 mm	190 mm
300 mm	396 mm	300 mm	326 mm	6.85 mm	208.5 mm

The current model is 300mm. Ensure the wall opening is sufficient for the 396mm (A) outer dimension and 208.5mm (E) depth. Use the four holes (D dia) for secure mounting.

4.4. Electrical Connection

- Ensure the main power supply is turned OFF before making any electrical connections.

- Connect the fan to a 230V AC power supply.
- All wiring must comply with local electrical codes and regulations.
- The fan operates with a push-button switch type.

5. OPERATING INSTRUCTIONS

The Havells Ventil Air DB Exhaust Fan is simple to operate.

1. **Power On:** Once installed and wired, turn on the main power supply to the fan.
2. **Start Fan:** Press the designated push-button switch to turn the fan ON. The fan will immediately begin to operate, drawing air out of the room.
3. **Stop Fan:** Press the push-button switch again to turn the fan OFF.
4. **Bird Guard:** The integrated bird guard automatically prevents birds from entering when the fan is not operational.

The fan has a single speed setting and operates at 1400 RPM.

6. MAINTENANCE AND CARE

Regular cleaning and maintenance will ensure optimal performance and longevity of your exhaust fan.

- **Power Disconnection:** ALWAYS ensure the power supply to the fan is disconnected at the circuit breaker before cleaning or performing any maintenance.
- **Exterior Cleaning:** Wipe the exterior surfaces of the fan and grill with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Blade Cleaning:** Periodically, carefully clean the fan blades to remove dust and grease buildup. This can be done by gently wiping them with a damp cloth. Ensure blades are dry before restoring power.
- **Motor:** The motor is designed for maintenance-free operation. Do not attempt to lubricate or disassemble the motor.
- **Inspection:** Regularly inspect the fan for any loose parts, unusual noises, or signs of wear. If any issues are detected, contact qualified service personnel.

7. TROUBLESHOOTING

If you encounter issues with your Havells Ventil Air DB Exhaust Fan, refer to the following common problems and solutions:

Table 7.1: Troubleshooting Guide

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Faulty switch. Motor issue.	Check circuit breaker and power connection. Test or replace switch. Contact service center.
Fan makes unusual noise.	Loose parts. Obstruction in blades. Motor bearing issue.	Tighten any loose screws. Clean blades and remove obstructions (ensure power is off). Contact service center.
Poor air extraction.	Dirty blades/grill. Improper installation (e.g., too small opening).	Clean blades and grill. Ensure installation opening matches specifications.

Problem	Possible Cause	Solution
Fan vibrates excessively.	Improper mounting. Unbalanced blades.	Ensure fan is securely mounted to a stable surface. Check blades for damage or debris; clean if necessary. If issue persists, contact service.

For problems not listed or if solutions do not resolve the issue, please contact Havells customer support.

8. TECHNICAL SPECIFICATIONS

Table 8.1: Havells Ventil Air DB 300mm Exhaust Fan Specifications

Brand	Havells
Model Name	Ventil Air DB
Item Model Number	FHVVENTDBB12
Colour	Grey (Pista Green variant also available)
Electric Fan Design	Exhaust Fan
Power Source	Electric
Product Dimensions (D x W x H)	42.1D x 83.2W x 54.7H Centimeters (Overall)
Room Type	Bathroom, Kitchen, Office
Special Feature	High Velocity
Noise Level	45 dB
Wattage	70 Watts
Finish Type	Metallic
Number of Blades	3
Air Flow Capacity	1770 CMPH
Blade Length (Sweep)	300 Millimetres
Speed	1400 RPM
Voltage	230 Volts
Switch Type	Push Button
Item Weight	5.43 kg
Included Components	1 N Exhaust fan
Indoor/Outdoor Usage	Indoor
Control Method	Touch (refers to push button)
Blade Material	Metal
Efficiency	High Efficiency

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The Havells Ventil Air DB Exhaust Fan comes with a **2-year warranty on the product**. Please note that the warranty is covered by the company (Havells India Limited) and not by the seller. Keep your purchase receipt as proof of purchase for warranty claims.

9.2. Customer Support

For any queries, technical assistance, or warranty claims, please contact Havells customer care:

- **Toll-Free Numbers:** 1800110303, 18001031313
- **Manufacturer Address:** Havells India Limited, Plot no 2A, Sector 12, SIDCUL, IIE, Haridwar 249403, Uttarakhand, India.
- **Packer Address:** Havells India Ltd, QRG Towers, 2D, Sec- 126, Expressway, Noida - 201304 UP (India).

You can also visit the official Havells website for more information and support.

