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## NewAir AF-520B

# NewAir AF-520B Outdoor Misting Oscillating Pedestal Fan User Manual

Model: AF-520B | Brand: NewAir

## 1. INTRODUCTION

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Thank you for choosing the NewAir AF-520B Outdoor Misting Oscillating Pedestal Fan. This manual provides important information regarding the safe operation, assembly, maintenance, and troubleshooting of your new fan. Please read it thoroughly before use and retain it for future reference.

The NewAir AF-520B is designed to provide effective cooling for outdoor spaces up to 500 square feet. It combines powerful air circulation with a gentle misting function, utilizing clean water evaporation to reduce ambient temperatures by as much as 10°F. Its slim design, three fan speeds, and wide-angle oscillation make it a versatile solution for patios, backyards, and other outdoor areas.





Figure 1: NewAir AF-520B Outdoor Misting Oscillating Pedestal Fan.

## 2. IMPORTANT SAFETY INSTRUCTIONS

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When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons.

- Read all instructions before using this fan.
- This fan is for outdoor use only. Do not use indoors.
- Always plug the fan into a grounded outlet.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination

and/or repair.

- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect fan, turn controls to OFF, then remove plug from outlet.
- Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust opening as it may cause an electric shock or fire, or damage the fan.
- Do not block air openings or exhaust in any manner.
- Always use on a stable, flat surface to prevent the fan from tipping over.
- Do not immerse the fan in water or other liquids.
- This fan features a built-in GFCI (Ground Fault Circuit Interrupter) plug for enhanced safety, especially in outdoor environments. If the GFCI trips, reset it before further use.

# BUILT WITH SAFETY IN MIND

A built-in GFCI plug adds an extra level of safety  
to protect you from accidents.



Figure 2: The fan's built-in GFCI plug for safety.

## 3. PACKAGE CONTENTS

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Please check to ensure all components are present and undamaged. If any parts are missing or damaged, contact NewAir customer support.

- Fan Head Assembly with Misting Nozzles
- Adjustable Pedestal Pole
- Base
- Power Cord with GFCI Plug
- Garden Hose Adapter
- Assembly Hardware (screws, washers, etc.)
- User Manual

## 4. ASSEMBLY AND SETUP

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The NewAir AF-520B fan is designed for easy assembly. Follow these steps to set up your fan:

1. **Attach the Pedestal Pole to the Base:** Securely fasten the adjustable pedestal pole to the heavy-duty base using the provided hardware. Ensure it is stable and upright.
2. **Mount the Fan Head:** Carefully attach the fan head assembly to the top of the pedestal pole. Align the mounting holes and secure with the designated screws.
3. **Adjust Height:** Loosen the height adjustment knob on the pedestal pole, extend or retract the pole to your desired height, and then securely tighten the knob.
4. **Connect to Water Source (for Misting Function):**
  - Locate the garden hose adapter on the fan.
  - Connect a standard 0.75-inch garden hose to the adapter. Ensure the connection is tight to prevent leaks.
  - Position the fan in your desired outdoor area, ensuring it is on a stable, level surface.
5. **Plug In:** Plug the fan's power cord into a grounded outdoor electrical outlet. The built-in GFCI plug provides added safety.

# CONNECTS DIRECTLY TO YOUR GARDEN HOSE

No special installation required.



Figure 3: Connecting the fan to a standard garden hose.

## 5. OPERATING INSTRUCTIONS

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Your NewAir AF-520B fan offers both fan-only and misting functions.



Figure 4: Control panel with fan speed settings.

### 5.1 Fan Operation

- **Power On/Off:** Press the '0' button on the control panel to turn the fan off. Press '1', '2', or '3' to turn the fan on and select a speed.
- **Fan Speeds:** The fan has three speed settings:
  - **1:** Low Speed
  - **2:** Medium Speed
  - **3:** High Speed
- **Oscillation:** To activate the oscillation feature, push down the oscillation knob located on the top of the motor housing. To stop oscillation, pull the knob up. This allows the fan to cover a wide area up to 500 sq. ft.



**2-in-1  
Misting Fan &  
Pedestal Fan**



**3 Fan Speeds  
with 2,400  
CFMs of Power**



**Oscillation  
Covers up to  
500 Sq. Ft.**



Figure 5: Key features of the NewAir AF-520B fan.

## 5.2 Misting Operation

To use the misting function, ensure the fan is connected to a garden hose and the water supply is turned on.

- **Activate Misting:** Once the fan is running and connected to the water supply, the misting nozzles will begin to emit a fine mist.
- **Adjust Water Flow:** You can adjust the intensity of the mist by controlling the water flow from your garden hose spigot. A lower flow will produce a finer mist, while a higher flow will produce a more noticeable mist.
- **Cooling Effect:** The misting function works by evaporative cooling, which can lower the surrounding air temperature by up to 10°F. This is most effective in arid climates.
- **Turning Off Misting:** To stop the misting, turn off the water supply from your garden hose spigot. It is recommended to turn off the water supply before turning off the fan to prevent water accumulation.



Figure 6: The fan in operation, demonstrating the misting function.



Figure 7: Detail of a misting nozzle.

## 6. MAINTENANCE

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Regular maintenance will help ensure the longevity and optimal performance of your NewAir AF-520B fan.

- **Cleaning:**

- Always unplug the fan from the power outlet before cleaning.
- Use a soft, damp cloth to wipe down the exterior surfaces of the fan. Do not use abrasive cleaners or solvents.
- For the fan blades and grille, use a soft brush or vacuum cleaner to remove dust and debris.
- The misting nozzles can be cleaned by gently wiping them. If they become clogged, carefully remove them and soak in a descaling solution (e.g., vinegar and water) to remove mineral deposits. Rinse thoroughly before reattaching.

- **Storage:**

- Before storing, ensure the fan is completely dry, especially the misting components.

- Disconnect the garden hose and drain any remaining water from the misting lines.
- Store the fan in a cool, dry place, away from direct sunlight and extreme temperatures.
- Cover the fan to protect it from dust and moisture during off-season storage.

## 7. TROUBLESHOOTING

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If your fan is not operating correctly, please consult the following troubleshooting guide.

Problem	Possible Cause	Solution
Fan does not turn on.	Not plugged in. GFCI tripped. No power at outlet. Fan switch is off.	Ensure power cord is securely plugged into a grounded outlet. Press the "RESET" button on the GFCI plug. Check household circuit breaker or fuse. Select a fan speed (1, 2, or 3) on the control panel.
Misting function not working or weak mist.	Water supply off or low pressure. Hose not connected properly. Misting nozzles clogged.	Ensure garden hose spigot is fully open and water pressure is adequate. Check hose connection to the fan for tightness. Clean misting nozzles as described in the Maintenance section.
Fan is noisy or vibrating.	Fan not on a level surface. Loose parts. Debris in fan blades.	Place fan on a firm, level surface. Check all assembly screws and tighten if necessary. Unplug fan and carefully remove any debris from blades or grille.
Water leaks from hose connection.	Loose connection. Missing or damaged washer.	Tighten the garden hose connection. Ensure a rubber washer is present and in good condition within the hose connection. Replace if necessary.

## 8. SPECIFICATIONS

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<b>Feature</b>	<b>Detail</b>
Model Name	AF-520B
Brand	NewAir
Color	Black
Electric Fan Design	Floor Fan / Pedestal Fan
Power Source	Corded Electric
Voltage	120 Volts
Wattage	54 Watts
Air Flow Capacity	2400 Cubic Feet Per Minute (CFM)
Number of Blades	3
Number of Power Levels	3 (Fan Speeds)
Control Method	Push Button
Indoor/Outdoor Usage	Outdoor
Effective Coverage Area	Up to 500 Square Feet
Product Dimensions (L x W x H)	17 x 17 x 50 inches
Item Weight	16 Pounds
Assembly Required	Yes
Special Feature	Programmable (implied by multiple speeds), Oscillating, Misting
Main Power Connector Type	NEMA 5-15 plug (with GFCI)

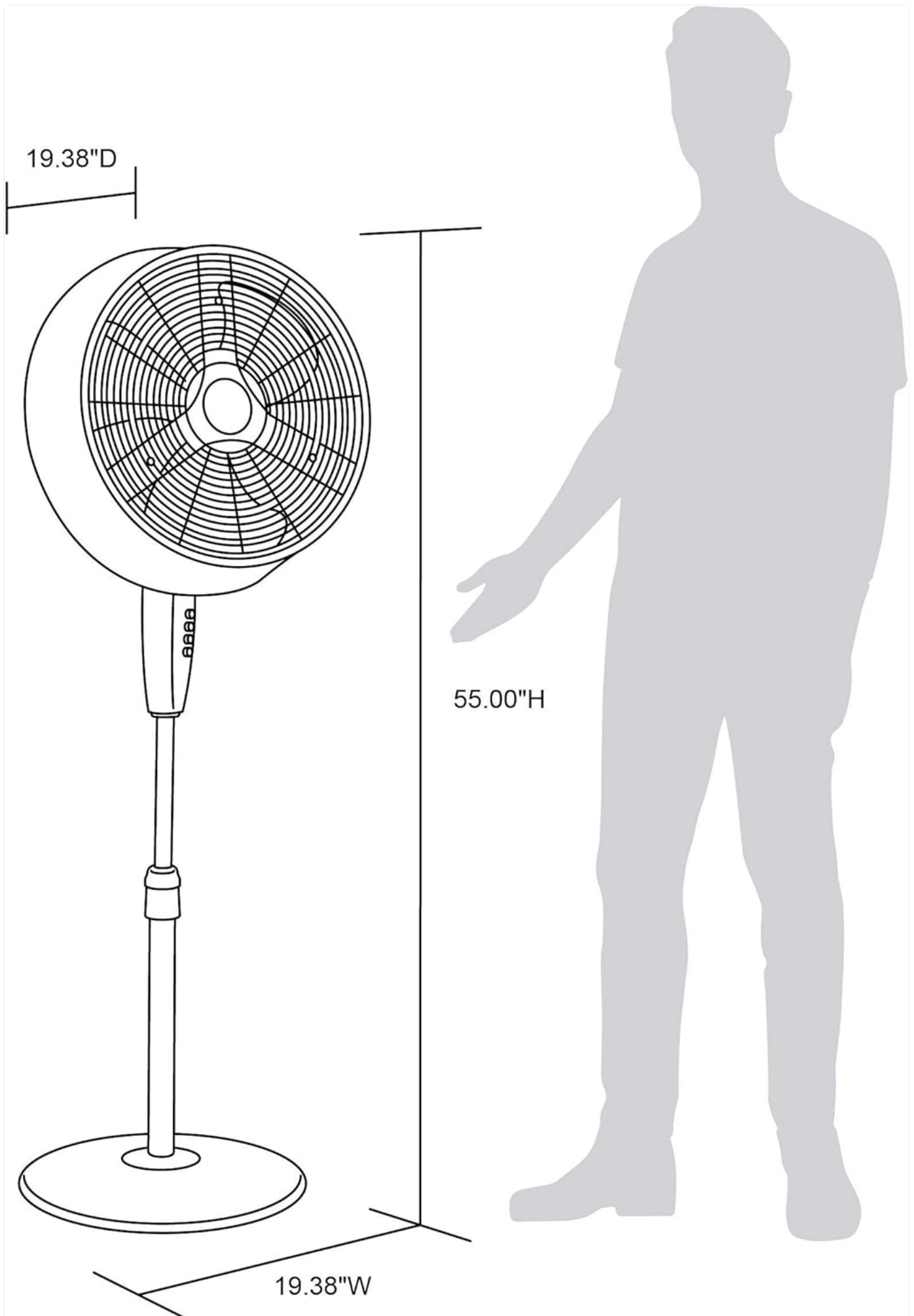


Figure 8: Product dimensions and scale.

## 9. WARRANTY AND CUSTOMER SUPPORT

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### 9.1 Limited Warranty

The NewAir AF-520B Outdoor Misting Oscillating Pedestal Fan is covered by a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, alteration, or unauthorized repair. Please retain your proof of purchase for warranty claims.

# Buy with Confidence



Figure 9: Warranty and return information.

### 9.2 Customer Support

For technical assistance, troubleshooting, warranty inquiries, or to order replacement parts, please contact NewAir Customer Support.

- **Website:** Visit the official NewAir website for FAQs and support resources.
- **Phone:** Refer to the contact information provided on the NewAir website or your product packaging.
- **Email:** Use the contact form or email address available on the NewAir website.

Please have your model number (AF-520B) and purchase date ready when contacting support.

