Oscillating Wall Fan (20in./30in.)

Owner's Manual

WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before using this product. Safety rules and other basic safety precautions may result in serious personal injury.

Item # 49927/49929

SAVE THESE INSTRUCTIONS

Thank you very much for choosing a Strongway product!

For future reference, please complete the owner's record below:

Serial Number/Lot Date Code: _____

Purchase Date: _____

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This fan is designed for certain applications only. Northern Tool and Equipment cannot be responsible for issues arising from modification or use of this product in an application for which it was not designed. We strongly recommend that you WRITE to Customer Service prior to your application other than that for which it was designed.

For technical questions, please call **1-800-222-5381**.

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Intended Use

This oscillating wall fan is designed to provide powerful air circulation.

Technical Specifications

Item No.	Size	Volts/Hz.	Current (A)	CFM	RPM
49927	20 in.	120V/60Hz.	1.35	4600	1100
49929	30 in.	120V/60Hz.	2	7500	1100

Important Safety Information

WARNING

- Read and understand all instructions. Failure to follow all instructions may result in serious injury or property damage.
- The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this tool. Always be safe, careful, and deliberate when operating the tool. Avoid accidents by being careful.
- Do not allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- The use of any accessory or attachment or performance of any operation may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- Use the right fan for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which the equipment was designed. It will do the job better and safer at the speed for which it was intended. DO NOT use the equipment for a purpose for which it was not intended.
- Industrial or commercial applications must follow OSHA requirements.

WARNING

- Two product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
- Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:
  - lead from lead-based paints,
  - crystalline silica from bricks and cement and other masonry products, and
  - arsenic and chromium from chemically-treated lumber.

  Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.
- Handling power cords on corded products may expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash your hands after handling.

WARNING

WORK AREA SAFETY

- Inspect the work area before each use. Keep work area clean. Dry, free of clutter, and well lit. Cluttered, wet, or dark work areas can result in injury. Using the tool in confined work areas may put you dangerously close to other cutting tools and rotating parts.
- Do not use the product where there is a risk of causing a fire or an explosion; e.g., in the presence of flammable liquids, gases, or dust. The product can create sparks, which may ignite the flammable liquids, gases, or dust.
- Do not allow the product to come into contact with an electrical source. The tool is not insulated and contact will cause electrical shock.
- Keep children and bystanders away from the work area while operating the tool. Do not allow them to touch the product.
- Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be hidden from your view and may cause personal injury and/or property damage if contacted.

WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the tool. Do not use the tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool may result in serious injury.
- Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Anti-slip footwear is recommended when working outdoors.
- Wear the proper personal protective equipment when necessary. Use ANSI Z87.1-compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield. Use a dust mask if operation is dusty. Use hearing protection (ear plugs or muffs) per the manufacturer's instructions, and hearing protection when appropriate. This applies to all persons in the work area.
- Do not overreach. Keep proper footing and balance at all times.
- Do not use the tool when tired or under the influence of drugs, alcohol or medication.
- Ensure the power switch is off prior to plugging in the tool.

WARNING

ELECTRICAL SAFETY

- Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. If the plug or outlet shows signs of overheating, a poor grounding provides a low resistance path to carry electricity would cause dangerous heat.
- Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- Do not allow the product to come into contact with an electrical source. The tool is not insulated and contact will cause electrical shock.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the power cord. Never use the power cord to carry the tools or pull the plug from an outlet. Keep the power cord away from heat, oil, sharp edges, or moving parts. Replace damaged power cords immediately. Damaged power cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cords marked "W-A" or "W". These extension cords are rated for outdoor use, and reduce the risk of electric shock.

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CAUTION

FAN USE AND CARE

- Check for damaged parts before each use. Carefully check that the fan will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the fan with damaged parts.
- Do not use a fan with a malfunctioning switch. Any fan that cannot be controlled with the power switch is dangerous and must be repaired by an authorized service representative before using.
- Disconnect the power from the fan and place the switch in the turned off position before adjusting, cleaning, or storing the fan. Failure to do so will result in accidental or unintentional safety measures reduce the risk of starting the fan accidentally.
- Store the fan when it is not in use. Store it in a dry, secure place out of the reach of children. Inspect the fan for good working condition prior to storage and before re-use.
- Keep guards in place and in working order. Never operate the fan without the guards in place.
- Do not leave the fan running unattended.

Specific Operation Warnings

WARNING

- Electric shock hazard. Do not expose to water or rain.
- Be sure equipment is properly grounded.
- Do not use this product with any solid-state speed control device.
- Rotating Blade Hazard. Can cause serious injury or cut. Keep hands clear.
- DO NOT operate without guards in place.
- Turn power OFF and unplug from wall outlet before servicing.
- This fan is not intended for use by people (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 fan by a person responsible for their safety. Supervise children to ensure they do not play with the fan.
- Not for use by or around children.

Grounding

WARNING

- This machine must be grounded while in use to protect the operator from electrical shock. The power cord contains a green or green-and-yellow insulated conductor with a green or yellow grounding plug. The plug MUST be plugged into a matching receptacle that is properly installed and grounded in accordance with all local codes and ordinances.
- DO NOT MODIFY THE PROVIDED PLUG. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.
- CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

Grounded Tools: Tools with 3-Prong Plugs

Tools marked with **Grounding Required** have a 3-wire cord and 3-prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See Figure A.)

The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically live terminal.

Your tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration.

FIGURE A

Extension Cords

WARNING

- USE A PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and cause overheating.
- Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

- Grounded tools require a 3-wire extension cord. Double insulated tools can use either a 2- or 3-wire extension cord.
- As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage.
- The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14-gauge cord can carry a higher current than a 16-gauge cord. Minimum extension cord wire size is shown in the following table.

	Minimum Wire Size Of Extension Cords				
	Cord Length				
Nameplate AMPS	**25'**	**50'**	**75'**	**100'**	**150'**
0-5	18 AWG	18 AWG	18 AWG	18 AWG	14 AWG
5-10	18 AWG	18 AWG	18 AWG	14 AWG	12 AWG
10-12	16 AWG	16 AWG	14 AWG	12 AWG	12 AWG
12-16	14 AWG	14 AWG	12 AWG	NOT RECOMMENDED	

- When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required.
- If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size.
- If you are using an extension cord outdoors, make sure it is marked with the suffix **W-A** (**W** in Canada) to indicate it is rated for outdoor use.
- Make sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
- Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

Assembly

Step 1:
1. Mark the hole locations by using the bracket, and then drill the holes:
   a. For concrete wall installation, after drilling, you would insert the wall anchors and lag them flush with the wall, position the bracket and then screw the two bolts into the anchors, securely tighten the bolts.
   b. For wall stud installation, after drilling the smaller diameter pilot hole, position the bracket and then screw the two bolts into the wall stud, securely tighten the bolts.

CAUTION: Use the mounting accessories shipped with products for wall mounting.

Step 2:
Remove four sets of Hexagonal Nuts, Spring Washers and Big Washers from Motor. Save them for next step.

Step 3:
Set Rear Guard in the proper position, and fix it to Motor by securing back the Hexagonal Nuts, Spring Washers and Big Washers from last step.

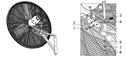
Step 4:
Assemble Fan Blade onto Motor Shaft by tightening two screws which located on Fan Blade. Make sure the screw is tightly secured.

Step 5:
Assemble Front Guard to Rear Guard by fixing both Guards together with clips.

Step 6:
Secure the assembly of front guard and rear guard by tightening a screw and nut on the bottom position of frame.

Step 7: **For 49927:**
Firstly, hang the fan head on the bracket and fasten it by no. 5 screw, no. 8 washer and no.8 nut. Put the upper bracket on the lower bracket and fasten them by no. 3 screw, no.2 washer and no.1 nut.

Finally fasten no.4 screw and adjust the 3D angle of fan head.



Step 7 (for 49929):
Fix the fan head into the wall mount bracket.

Before Each Use

Place the fan on a safe, flat surface where it cannot fall or be pulled by the cord.

Operating Instructions

1. Connect power plug to any standard 120V AC outlet.
2. The fan comes with three different speeds. Pull power chain once to operate the Low speed and allow to operate for 10 seconds. Once 10 seconds have passed , you may now pull the power chain to the Med or High position.

After Each Use

Always turn off (O-Off) and unplug fan after using.

Maintenance

Maintain your tool. It is recommended that the general condition of any tool be examined before it is used. Keep your tool in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. Keep all cutting tools sharp and

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clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Keep handles dry, clean, and free from oil and grease.

1. Depending on the usage and severity, a regularly scheduled inspection should be established.
2. Check for unusual noises when circulator is running.
3. Periodically inspect and tighten all bolts, screws and set screws.

Parts Diagram