



High-Velocity Floor Fan

Owner's Manual



⚠ WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Item #52678 & #52679

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 High-Velocity Floor Fan is designed for certain applications only. The Northern Tool & 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 this product not be modified and/or used for any 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 High-Velocity Floor Fan is designed for air circulation, ventilation, and exhaust. This fan meets OSHA standards.

Technical Specifications

Item#	Size	Voltage	Watts/Amps	CFM / RPM
52678	20"	120	145/1.2	4725 /1500
52679	18"	120	130/1.15	4550 /1500

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 fan. Always be aware of the environment and ensure that the fan is used in a safe and responsible manner.
- Do not allow persons to operate or assemble the fan until they have read this manual and have developed a thorough understanding of how it works.
- Do not modify this fan in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the fan. There are specific applications for which the fan was designed.
- Use the right tool for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will be a safer experience and the fan will do a better job at the capacity for which it was intended. DO NOT use this fan for a purpose for which it was not intended.
- Industrial or commercial applications must follow OSHA requirements.
-

⚠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 fan in confined work areas may put you dangerously close to cutting tools and rotating parts.
- Do not use the fan where there is a risk of causing a fire or an explosion; e.g., in the presence of flammable liquids, gases, or dust. The fan can create sparks, which may ignite the flammable liquids, gases, or dust.
- Keep children and bystanders away from the work area while operating the fan. Do not allow children to handle the fan.

⚠WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the fan. Do not use the fan 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 personal 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. Air vents on the tool often cover moving parts and should be avoided.
- 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 in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, 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.
- 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 fan should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
- 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.
- 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.

⚠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 a damaged part.
- 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 locked or off position before making any adjustments, changing accessories, or storing the fan. Such preventive 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.

Specific Operation Warnings

⚠WARNING

- Electric shock hazard. Do not expose the unit to water or rain.
- Be sure the equipment is properly grounded.
- Use only outdoor-rated extension cords of appropriate size.
- Do not use this fan with any solid-state speed control device.
- Rotating blade hazard. Keep hands clear to avoid serious injury.
- DO NOT operate without guards in place.
- Turn the power OFF 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.
- If the power supply cord is damaged, contact your local service center or a qualified electrician to install an appropriate replacement cord to prevent any injury or damage.
- The appliance should not be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapor, or gas).
- No alterations shall be made to this product.

Grounding

⚠WARNING

- This fan must be grounded while in use to protect the operator from electrical shock. This fan is equipped with an electrical cord that has an equipment grounding conductor and a 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.

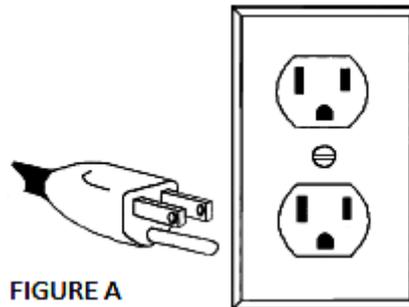
- DO NOT MODIFY THE PROVIDED PLUG. If it will not fit the receptacle. Have the proper receptacle installed by a qualified electrician.
- CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure if the fan is properly grounded.

Grounded Fans: Fans 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 fan 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 fan. 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 fan 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.



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				
Nameplate AMPS	Cord Length			
	25'	50'	100'	150'
0-6	18 AWG	16 AWG	16 AWG	14 AWG
6-10	18 AWG	16 AWG	14 AWG	12 AWG
10-12	16 AWG	16 AWG	14 AWG	12 AWG
12-16	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 acceptable 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.

Before Each Use

⚠WARNING

Be sure the both front and rear guard screws are completely tightened to the locking position before operation.

Meets UL and OSHA Standards

Operating Instructions

⚠WARNING

- Never insert fingers or other objects through the grill guard when the fan is in operation.
- Disconnect the fan from its power source when moving it from one location to another.
- Disconnect the fan from its power source when removing the guards for cleaning.
- Be sure the fan is on a stable, flat surface when operating.
- Do not use the fan in windows because rain and moisture may create an electrical shock hazard.
- Do not place the fan near an open flame, cooking or heating appliance, or a hot surface.
- This fan should not be operated outside.
- Be sure that both the front and rear guard screws are completely tightened in the locking position before operation.

Adjusting Airflow Angle

Tilt the fan head to the desired angle.

This high velocity fan can be used alone or in conjunction with air conditioning. Rotating the fan head upward serves to pull air from the floor and circulate it throughout the entire room.

Controlling Speed

Select an air speed by setting the switch to one of the following:

- High – 3
- Medium – 2
- Low – 1
- Off - 0

After Each Use

Unplug the fan from the electrical source.

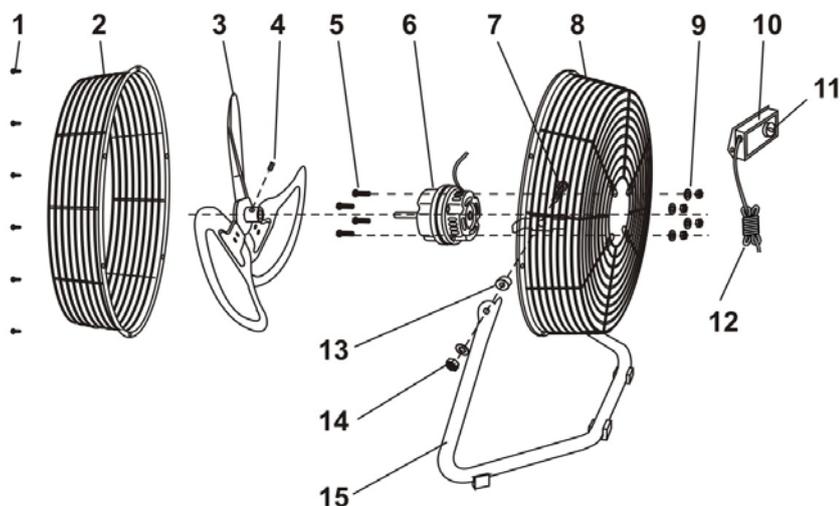
Maintenance

1. Use a soft damp cloth. Follow with a dry cloth.
2. Do not use harmful cleaners which can damage paints and plastics.

⚠WARNING

Always unplug the unit from the electrical supply source before cleaning.

Parts Diagram



Parts List

Part #	Description	Qty.	Part #	Description	Qty.
1	SCREWS	6	9	NUT & WASHER	4
2	FRONT GRILL	1	10	CONTROL BOX	1
3	BLADE	1	11	SWITCH	1

4	SCREW SET	1	12	POWER CORD	1
5	SCREWS	4	13	RUBBER WASHER	2
6	MOTOR	1	14	NUT & WASHER	2
7	BOLT	2	15	TUBE BASE	1
8	REAR GRILL	1			

Replacement Parts

- For replacement parts and technical questions, please call Customer Service at **1-800-222-5381**.
- Not all product components are available for replacement. The illustrations provided are a convenient reference to the location and position of parts in the assembly sequence.
- When ordering parts, the following will be required: Model Number, Serial Number/Lot Date Code, Description, and Part Number.
- The distributor reserves the rights to make design changes and or improvements to product lines and manuals without notice.

Limited Warranty

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Strongway product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of one year from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-800-222-5381, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim. Any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction for any disputes relating to this warranty.



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