

STERLING

3-Speed Fan

(Model: F-45A)



Thank you for purchasing this Sterling F-45A, 3-Speed Fan. Please read the instructions carefully and follow all warnings. All Sterling products are manufactured to be simple to use and provide years of worry free service when the recommendations in this manual are followed. Please call Sterling at 844-VACS-R-US (844-822-7787).

Purchase Date: _____

Serial Number: _____

Purchased From: _____

WARNINGS

- Do not move or carry the Fan while it is operating. When the Fan is operating, the powerful airflow can cause unpredictable movement.
- NEVER allow children to play with or around the Fan.
- Do not alter or modify your Fan in any way. Use only replacement parts authorized by Sterling. Modifications or use of unauthorized parts could create a hazard and will void your warranty.
- Store the Fan in a clean, dry environment. Do not store outdoors or allow water inside the Fan's motor. If the motor becomes wet, allow it to thoroughly dry before use.
- Fan should never be operated near water, as it will create a risk of serious injury from electrical shock.
- Handle the Fan with care to avoid causing damage or injury.
- Fan should always be operated on a flat surface. Do not operate where the Fan could fall, or on slippery surfaces, as this could increase the chance of injury, fire, or electrical shock.
- Keep all materials, liquids, and gases from being drawn into the Fan and never operate the Fan without factory installed safety screens in place.
- Do not use the Fan near combustible gas, or for circulating hot air as the Fan could melt and cause a fire or electrical hazard.
- Do not take the Fan apart or repair it unless you are qualified to do so. Never repair or service the Fan while the Fan is plugged in.
- Make sure the air intake and outlet are free from all materials and away from obstructions, as restrictions may cause the Fan to overheat and cause a shock or fire hazard.

OPERATION

The F-45A high velocity Fan is designed for floor drying, water damage restoration, and ventilation.

- 1) Place the Fan on a level and stable surface.
- 2) Plug the Fan into a grounded outlet with the correct voltage and amperage. For maximum protection against electrical shock, ALWAYS use a circuit that is protected by a ground fault circuit interrupter. If you are unsure about the outlet, check with a qualified electrician or service person.
- 3) Turn the switch to desired speed setting and check that the Fan operates properly before letting it run.

AUXILIARY OUTLET

This Fan is equipped with a built-in GFCI protected outlet that allows you to “daisy chain” together multiple Fans in order to operate in large areas where power outlets are limited or not available. All other warnings for use of this Fan should be strictly adhered to.

ELECTRICAL

GROUND FAULT CIRCUIT INTERRUPTER (GFCI) OUTLET

The GFCI protects the user from potential electrical shock. Should it detect a sudden ground fault, the GFCI will interrupt the current and shut the Fan off. It will also fault/trip when a short circuit or an overload occurs. If the GFCI faults/trips, unplug the Fan and look for potential hazards such as standing water, a damaged cord, etc. Once the problem is corrected, plug the Fan back in, push the “Reset” button, located on the GFCI faceplate, and re-start the Fan. If Fan does not re-start, please refer to the troubleshooting section of this manual.

GROUNDING INSTRUCTIONS: This Fan MUST BE grounded. Grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This Fan is equipped with a cord featuring a grounding plug that must be inserted into an appropriate outlet that is in compliance with all local codes and ordinances. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Never modify the power cord in any way.

POWER CORD WARNINGS: Never operate the Fan with a damaged power cord or damaged extension cord as this may lead to electrical or fire hazards. Never unplug the Fan by pulling the cord. Grasp the plug firmly and pull straight out. Take precautions not to use the cord in a way where damage may occur. Keep cord away from all water and heated surfaces. Inspect cord before each use and replace any cord that shows any sign of damage.

EXTENSION CORDS WARNINGS: Extension cords must be grounded and be able to deliver the appropriate voltage to the Fan. Extension cords up to 25 feet long should use 14 AWG wire. Cords up to 50 feet long should use 12 AWG wire. When operating the Fan outdoors, do not use an extension cord.

MAINTENANCE

- Inspect the electrical cord and wiring for damage or discoloration. NEVER use a Fan that has a damaged cord as it could cause an electrical shock or fire.
- Inspect for loose fasteners.
- Clean safety screens of the Fan.
- Listen for abnormal sounds and shut the Fan off immediately upon hearing unusual noises.
- Keep Fan clean.
- Use compressed air or a vacuum to remove lint and other debris from the motor, inlet, or fan wheel.
- Do not use a pressure washer, water hose, or other water source to clean the Fan.
- The Fan has sealed bearings and cannot be lubricated. No oiling is necessary.

For information about authorized repair and maintenance call Sterling at (844)822-7787.

FAN SPECIFICATIONS

Fan Speed:	960/1060/1170 rpm	Switch:	3-speed Rotary Dial
Certifications:	ETL, CE, SSA	Width:	16"
Motor Rating:	1/2 hp	Depth:	19"
Power:	115 Volts, 60 Hz.	Weight:	28 lbs.
Current:	4.5 amps	Cord Length:	25 feet
CFM:	2500	Specifications are subject to change without notice.	

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE/SOLUTION
Fan does not turn on	<ul style="list-style-type: none">• Switch not turned on - turn on* Circuit breaker or GFCI has tripped - reset• Loose wire - tighten• Faulty switch - replace
Fan starts and then shuts off	<ul style="list-style-type: none">• Obstructed inlet/outlet - remove obstruction• Faulty motor - replace
Fan vibrates	<ul style="list-style-type: none">• Motor shaft is bent - replace motor• Fan blade is bent - replace• Excessive dirt built up on fan blade - clean
Fan makes scraping noise	<ul style="list-style-type: none">• Damaged housing - replace housing or entire fan• Damaged fan blade - replace• Damaged motor shaft - replace motor
Motor makes noises, but Fan won't turn on	<ul style="list-style-type: none">• Damaged/faulty motor or motor shaft - replace• Broken/loose wire to capacitor - tighten• Damaged/faulty capacitor - replace• Damaged housing/fan so fan will not spin - replace housing or fan wheel• Motor shaft set screw holding fan wheel is loose - tighten

For problems not listed above, contact our service department at (844) 822-7787

LIMITED WARRANTY

Sterling North America LLC offers a limited warranty to the original purchaser of this product (the "Fan") against any defect in materials and workmanship as follows: For the first year from the date of purchase, Sterling at its option, will replace or repair Fan without charge to the customer. Any repair or replacement of the Fan will be warranted only for the balance of the original warranty period or ninety (90) days, whichever is greater. The following will void and/or are not covered under this limited warranty: a) damage caused by improper use; b) operation of the Fan for any reason not authorized by Sterling; c) cosmetic damage or any damage caused by misuse, improper maintenance, connection to improper voltage supply, accidents, acts of God, abuse, negligence, damage caused during shipping, modifications or attempted repair by anyone other than Sterling; or d) alteration or removal of factory-applied serial number.

TO OBTAIN WARRANTY SERVICE: In order to obtain warranty service, the purchaser must return the Fan in suitable packaging, postage prepaid, to Sterling North America at 1633 West 134th Street, Gardena, CA 90249-2013, and include: (i) proof of retail purchase; (ii) the date of the failure; and (iii) a description of the failure. All shipping expenses to Sterling are the owner's responsibility.

The obligations of Sterling herein are granted in lieu of all other warranties, expressed or implied, including, but not limited to, the warranties of merchantability of fitness for a particular purpose. The remedy provided in this warranty is exclusive and is granted in lieu of all other remedies. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event will Sterling be liable for loss of use of the product, loss of profits, direct damages, indirect damages, consequential damages, and/or incidental damages by reason of injury to any person, due to any defect or the malfunction of Fan or any part(s) thereof, or for any other reason. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty gives you specific, legal rights, and you may also have rights, which vary from state to state. Purchaser's acceptance of the Fan and use thereof constitutes acceptance of these terms.

Warranty return address: Sterling North America, 1633 West 134th Street, Gardena, CA 90249-2013

----- **Cut here and return with copy of receipt within 10 days of purchase** -----

To register warranty, please fill out card completely and mail within 10 days of purchase with a copy of original receipt to: Sterling North America, 7545 Irvine Center Drive, Suite 200, Irvine, CA 92618

Name: _____ Email: _____
Phone: () _____ Unit: _____ PO Box: _____
Street Address: _____ State: _____ Zip: _____
City: _____ Serial #: _____
Model #: _____ Purchase Date: _____



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