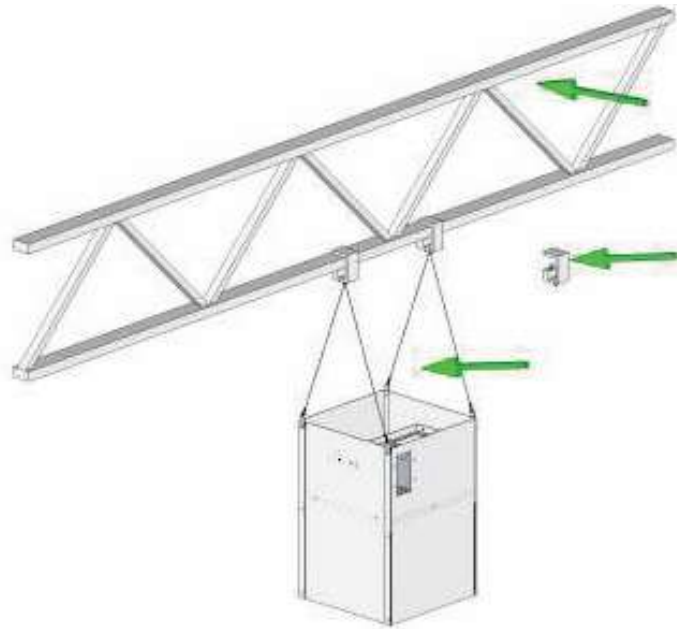


# IMPORTANT INSTRUCTIONS INSTALLATION MANUAL



## DE-STRATIFICATION FAN MODEL F-18/AF-22



This fan is for commercial or industrial use only.  
It is not intended to be used in residential settings.

READ AND SAVE THESE INSTRUCTIONS  
READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE,  
OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS  
BY OBSERVING ALL SAFETY INFORMATION.

FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL  
INJURY AND/OR PROPERTY DAMAGE!

**RETAIN INSTRUCTIONS FOR FUTURE REFERENCE**  
**SAVE THESE INSTRUCTIONS**

## General Safety Information

1. Read all instructions before using this fan.
2. Use this fan only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electrical shock, or injury to persons.
3. The power source must conform to the electrical requirements of the unit: 120 Volt AC Only

## Installation

1. Installation work and electrical wiring must be done in accordance with NES (NFPA 70) and all applicable local codes and standards including fire rated constructions and MUST BE DONE BY A QUALIFIED ELECTRICIAN (16 running watts).

### **Caution**

2. To reduce the risk of injury to persons, *install fan at least 2.1 meters (7 feet) above the floor.*
3. Check that the supply voltage corresponds to the rated voltage on the motor of the fan. Any deviation may void this warranty.
4. Make sure that the beam clamp is mounted securely to the building structure (e. g. beam joint).
5. All set screws must be checked and retightened where necessary after installation. No lubricants should be used on screws or hooks.

## Hanging the Fan

1. For optimal air distribution, the Air-Row fan should be no less than 30" from the ceiling. If the Air-Row fan must be closer to the ceiling, place the chains or aircraft cable 16"-18" apart (outside the edges of the fan) to allow ample room to work. Use at least two lengths of chain or aircraft cable to fit the Air-Row fan into your ceiling space and configuration. Each length should comply with all local codes.
2. All hangers, cables, and chains must can comply with all weight bearing specifications to meet or exceed all local codes.
3. There is a 1/8" hole at each of the four corners. There are hanger adapters at each of the four corners. Attach one length of chain or aircraft cable to one pair of adapters and attach the second length to the other pair of adapters.
4. Attach the beam clamps to the top of the length of chain or aircraft cable.
5. Mount the beam clamps securely to the structural ceiling joists or building structure.
6. Connect the lead wires to the power supply. Connect black-to-black, white-to-white, and green-to-green to ground nut on collection box in accordance with NEC (NFPA 70) and all applicable local codes and standards.
7. Wiring connections should be pushed carefully into the outlet box.
8. Do not place the Air-Row fan in the direct supply air path of the HVAC units.
9. Be sure the Air-Row air pattern has an unobstructed path to the floor. Do not install over cooking surfaces in a kitchen.
10. Place/move the building's thermostat sensors or fan's optional temperature control sensors where they best respond to temperature changes in the area they cover.
11. Floor maintenance may require the Air-Row fan to be shut off during the maintenance to avoid rapid drying of floor treatment products.

## User Servicing Instructions

Always disconnect the fan from the power source before service. To prevent possible fire, do not block air intake or exhaust in any manner. Use this fan ONLY in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

# MODEL F-18/AF-22

## Safety Features

A thermal overload protector is built in to the motor to prevent overheating. When an overheat temperature is reached, the unit will be automatically shut off. It can only resume operation when the user resets the power to the unit.

To reset the unit:

1. Turn the power to the unit OFF and re-supply the power.
2. The fan is supplied with an ON/OFF switch and a speed control switch. The speed control switch allows you to select high, low, or medium speed. Both switches are prewired to the fan motor at the factory.

## Troubleshooting Tips

If your Unit shuts off unexpectedly or fails to operate, the above-mentioned safety feature may have been activated to prevent overheating.

1. Be sure the correct power is supplied
2. Check that there is nothing obstructing the moving parts.

If you have a problem that cannot be resolved by the steps listed above, contact Technical Assistance at 317-574-1009, Monday through Friday, between the hours of 8am and 4pm EST.

## Maintenance

Warning! – Always remove power supply before moving or servicing.

Warning! – Do not immerse unit in water.

Cleaning – Important! Clean the unit with the vacuum brush attachment of your vacuum cleaner. This will remove lint and dirt from the inside of the fan. Clean the body of the fan with a soft cloth.

Do not attempt to take apart the unit.

Caution – Do not use gasoline, benzene, thinner, harsh cleaners, etc., as they could damage the unit. Never use alcohol or solvents.

Store the Unit with these instructions in the original carton in a cool, dry place.

## Service

All other servicing, apart from general user-maintenance, should be performed by an authorized service representative. Call 317-574-1009, Monday through Friday, between the hours of 8am and 4pm EST for the location of your nearest service center.

## **LIMITED WARRANTY**

SHOULD ACCESSORY PARTS BE NEEDED, CONTACT THE MANUFACTURER FOR IN-WARRANTY REPLACEMENT PARTS. A COPY OF PROOF-OF-PURCHASE MUST BE INCLUDED ALONG WITH THE TYPE AND STYLE, WHICH IS LOCATED ON THE SIDE OF THE UNIT.

This product is warranted for three years from the date of purchase against defects in workmanship and/or materials. At our option, parts that prove to be defective will either be repaired or replaced or the whole product will be replaced. Should electrical or mechanical repair become necessary during the warranty period, send your complete product, postage, or freight pre-paid to the nearest service center. Call the number below for the service station nearest you. Should a part need replacement, you must give us the type and style of your Unit. You will find this on the side of the unit. In either case, a copy of your proof-of-purchase is requested.

This warranty does not apply if the damage occurs because of accident, improper handling or operation, shipping damage, abuse, misuse, unauthorized repairs made or attempted, or the use of the product for residential use.

ALL WARRANTIES, EXPRESSED OR IMPLIED, LAST FOR THREE YEARS FROM THE DATE OF ORIGINAL INSTALLATION. THIS WARRANTY DOES NOT COVER LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR ANY CAUSE WHATSOEVER.

Some states do not allow limitations on how long any implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so that the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights. You may also have rights which vary from state to state.

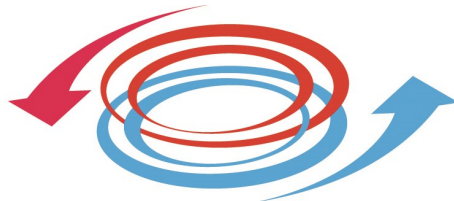
FOR TECHNICAL ASSISTANCE AND SERVICE

PLEASE CALL 317-574-1009,

Reference the type and style of product (located on the underside of the product) when you call.

MONDAY THROUGH FRIDAY, BETWEEN THE HOURS OF 8 AM and 4 PM EST.

Service Dept. 421 Industrial Drive. Carmel, Indiana, 46032



# AIR•ROW FANS

Efficiency and Comfort at a Savings

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Carmel, IN 46032

For more information,  
please visit us online at  
**[www.airrowfans.com](http://www.airrowfans.com)**