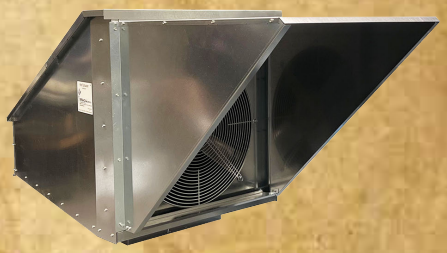
SPREAD-ALL MFG. CO.
2237 MARSHALLTOWN BLVD. • MARSHALLTOWN, IOWA 50158
PHONE: (641) 753-5601 • TOLL FREE: 1-800-383-5601 • FAX: (641) 752-9748
WWW.SPREAD-ALLMFG.NET







OPERATING MANUAL

ROOF EXHAUSTER

MODELS: SA-RE242001, SA-RE242001EX, SA-RE242003, & SA-RE242003EX

SAFETY PRACTICES

1. Have a qualified electrician install your fan for proper grounding. A proper ground is necessary for protection against electrical shock and lightning strikes. The use of Ground Fault Circuit Interrupter (GFCI) is suggested on all outside electrical wiring to reduce potential for electrical shock.

2. No electrical maintenance checks should be done if power is "ON."

3. Fan guards should be kept in place during operation of the fan.

4. The end of the fan should be kept clear for proper air flow.

When a shipment is received you should carefully check while unpacking and before installing the unit for possible damage or shortage of parts. In case of problems in shipping, such as shortage or damage, you should file a claim with the carrier.

01-13/OMAF 12075 12100 14100

Roof Exhauster Fan Operation

Thank you for choosing this Spread-All product. It is designed to give excellent performance and service for many years.

This manual describes the operation of the Roof Exhaust Fan. It is designed to take in bin air and expel it to the outside.

24" Roof Fan Location

The roof fans should be equally spaced on the bin roof circumference. When installed, the roof fan should be positioned as far up the roof slope as the tapered ribs of the bin roof sheet will allow.

The roof fan location should be selected to provide a rigid mounting for the fan. For bins with an inner roof structure, the roof fan should be anchored to the inner roof structure.

ELECTRICAL

A certified electrician must do all electrical service, and the installation must be done according to "Part 1" of the National Electrical Code (USA). A circuit breaker box with fuse protection must be installed for the fan unit. The fuse requirements are sized for 25% overload capacity. These fuses are for the protection of the operator.

Any questions should be referred to an electrician for both service needs and for installation.

Ground fan according to the above electrical code.

Before Starting Fan

When starting the fan for the first time, check the following:

1. With the power OFF, rotate the fan blade to make sure it revolves easily and does not rub on the venturi or fan tube.

2. Check all the fasteners to make sure they are tight. If any are loose, check for proper clearance and retighten.

3. With the power OFF, check all electrical connections to make sure they are tight. Inspect the current carrying wires to make sure they are not grounded. Make sure the fan and disconnect are grounded. All control enclosure covers and access doors should be secured in place.

4. Refer to the wiring diagram on the motor and make sure the motor is wired correctly.

Starting the Fan

The roof exhaust fans should operate anytime the supply fans operate. The roof fans can operate independently of the supply fans just to provide ventilation of the attic space, but this requires that vents be used in the roof to provide an open area.

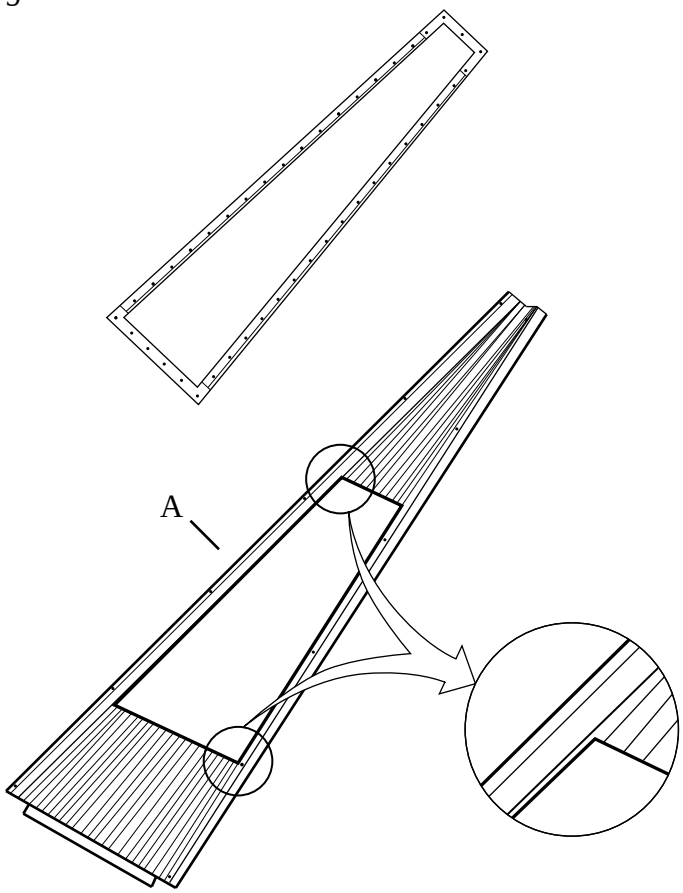
24" Fan.....10 square feet per fan

01-13/OMII

24" Roof Fan Mounting and Assembly of Fan, Adaptor and Rain hood

The roof fans, adaptor and rainhood can be installed in the bin roof sheet before assembling the roof or after the roof is assembled. The fan is secured by bolts that must be fastened from the inside of the bin roof, so the assembly should be made before the sidewalls are erected.

Figure 1







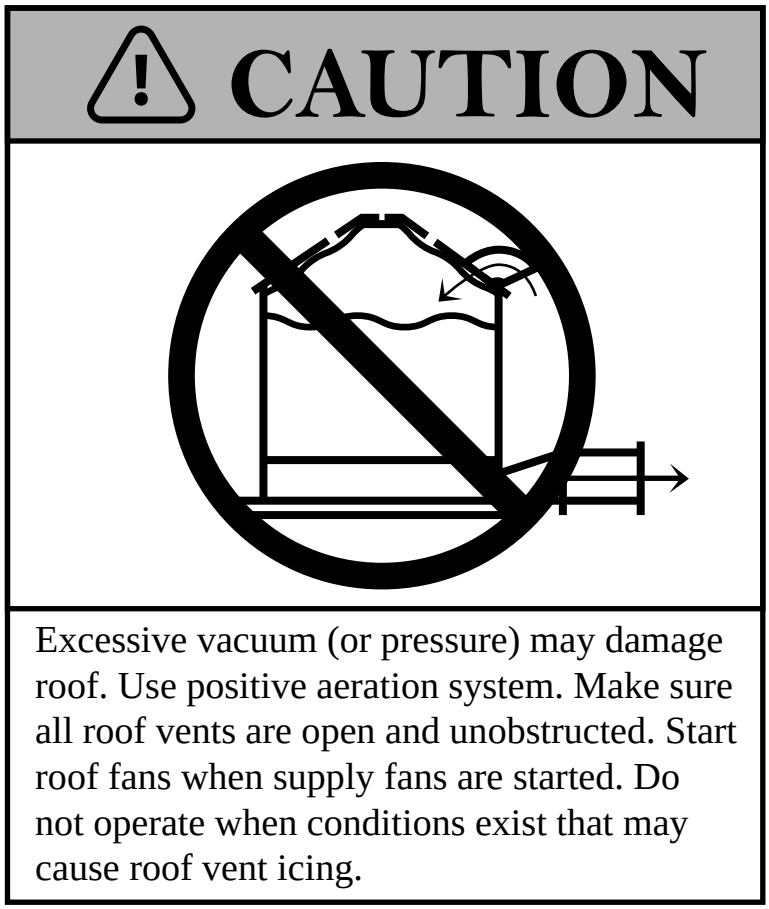
Strap

* When you layout the template for drilling holes in the roof sheet, be sure to leave at least 1/4”.
* Make sure to caulk between roof exhauster and bin roof sheet.
* The flange in Figure 1 goes on underside of bin roof sheet for extra support.
* Use reinforcement straps to attach roof exhauster to roof sheet. You will need to field drill the hole for strap placement to your preferred location. These straps will take a 5/16” bolt. See picture.

01-13/GSTS

Roof Damage Warning and Disclaimer

The manufacturer does not warrant any roof damage caused by excessive vacuum or internal pressure from fans or other air moving systems. Adequate ventilation and/or "makeup air" devices should be provided for all powered air handling systems. The manufacturer does not recommend the use of downward flow systems (suction). Severe roof damage can result from any blockage of air passages. Running fans during high humidity/cold weather conditions can cause air exhaust or intake ports to freeze.



MOTOR AMPS

MODEL	RUNNING AMPS 1PH	RUNNING AMPS 3PH 230V	RUNNING AMPS 3PH 460V
SA-RE242001	8.2		
SA-RE242001EX	22		
SA-RE242003		5.6	2.8
SA-RE242003EX		5.6	2.8

01-13/GSTS

MAIL GUARANTEE CARD TODAY

(MAIL WITHIN 10 DAYS OF PURCHASE OR GUARANTEE IS VOID)

Owner _____

Street or Route _____

City _____ State _____ ZIP/Zone _____

Dealer's Name _____ Model# _____

Address _____

Date of Purchase _____

SPREAD-ALL equipment is guaranteed against defective material and workmanship for a period of one year from the date of sale to the original purchaser. We will repair or replace defective parts upon inspection and direction by our service department. No returns for credit allowed. We will not handle warranty on electric motors. Motor warranties will be handled by the motor manufacturers and their repair stations. Spread-All does not cover labor costs or milage charges on warranty or non-warranty work.

We assume no responsibility for any damage incurred in transit or for any other abuses, or incorrect application; nor for any attempted repairs by others without our written authorization. Sender must receive written permission from our factory before returning equipment. All shipping charges to and from the factory on defective units will be assumed by the customer.

Manufacturer shall only be liable under this guarantee if the product is used in the proper manner as specified in the enclosed instructions.

Manufacturer specifically disavows any other representation, warranty or liability related to the condition or use of this product.

The warranties contained herein are the only warranties made by the manufacturer, and no other warranties, express or implied, are given on this product.

Any warranty contained herein shall not apply to any product which shall have been repaired or altered outside the manufacturer's facilities or in any way so as, in the manufacturer's judgment, to affect its stability or reliability, or which has been subject to misuse, negligence or accident. Warranties shall not apply to any product which shall not have been operated in accordance with the printed instructions or shall have been operated beyond the rate of capacity of the product.

Please complete and mail within 10 days of purchase to:

SPREAD-ALL MFG. CO.
2237 MARSHALLTOWN BLVD.
MARSHALLTOWN, IOWA 50158-9892

01-13/MGC

SPREAD-ALL MFG. CO.

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Grain Storage Equipment



SA-105 / SA-106 / SA-107 SPINNING GRAVITY SPREADER

- Gravity Spreader designed to help keep fines out of center of smaller bins
- Has strong hanger straps
- Capacity:
  SA-105: 3000-5000 Bu./Hr.
  SA-106: 6000-9000 Bu./Hr.
  SA-107: 10,000-15,000 Bu./Hr.
  (Depending on grain and moisture)



ROOF VENTS

Models Available | 70 & 90 degree

- Heavy, easily detachable angle base
- Lock seam joints
- Birdproof screen
- 100% galvanized to withstand years of weather conditions
- Symmetrically punched holes make one-person installation a breeze
- Double edges add strength
- Pivot Screen Available



ROOF EXHAUSTER

- Available in 24" 2hp single phase and three phase
- Explosion proof available
- Heavy Duty
- SA-RE242001, SA-RE242001EX, SA-RE242003, SA-RE242003EX



SPREAD-ALL TRANSITIONS FEATURE:

- All galvanized steel
- Completely assembled
- Transitions have access doors
- SA-82 (shown)

Complete Offering of Aeration Fans







FEATURES:

- Galvanized
- Models SA-12075 and SA-14100 feature 115 volt, single phase electric motors with plug cords wired
- Standard leg stands and carrying handles
- Weather Resistant Guards
- Completely factory assembled and test run before shipment
- Magnetic contactor mounted in a weatherproof enclosure on 24"& 28" fans
- Reversible application to pull air down through the grain, or to direct the air flow up through the grain by turning the fan around and reversing guard
- Either the intake or the discharge ends may be mounted to an air duct, metal transition or a flat wall bin
- These fans are designed for quiet, efficient aeration with a minimum of maintenance and operating cost
- Models available 12" to 28"... So you can get just the right fan to do the job right

01-13/GSE AF

Complete Offering of Grain Spreaders



PATENTED MOTOR TOP
PATENT # US D892,738 S



SA-93
SPREAD-ALL SPECIAL
For 6" & 8" auger
- Without reversing switch
- Capacity: Up to 3000 Bu./Hr (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1/2 HP 115V
- Weight: 85 lbs
- Bin diameters 18' to 30'
- Vary the spread by tilting pan

SA-94
E-2 COMPACT
For 6" & 8" auger
- With reversing switch
- Capacity: Up to 3000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1/2 HP 115V
- Weight: 85 lbs
- Bin diameters 18' to 36'
- Reversible switch to change from narrow to wide spread

SA-95HS
E-2 HIGH SPEED
For 6" & 8" auger
- With reversing switch
- Capacity: Up to 3000 Bu./Hr. (Depending on grain & moisture)
- Powered: oil bath gear case
- Motor: 1/2 HP 115V
- Weight: 85 lbs
- Bin diameters: 42' +
- Reversible switch to change from narrow to wide spread

SA-96
E-3 COMPACT
For 10" auger
- Without reversing switch
- Capacity: 3000 to 5000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1/2 HP 115V
- Weight: 85 lbs
- Bin diameters: 18' to 36'
- Vary the spread by tilting pan

OUR MOST POPULAR MODEL!

SA-97
E-3 COMPACT
For 10" auger
- With reversing switch
- Capacity: 3000 to 5000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1/2 HP 115V
- Weight: 85 lbs
- Bin diameters: 18' to 36'
- Reversible switch to change from narrow to wide spread

SA-97HS
E-3 HIGH SPEED
For 10" auger
- With reversing switch
- Capacity: 3000 to 5000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1 HP 115V
- Weight: 100 lbs
- Bin diameters: 42' +
- Reversible switch to change from narrow to wide spread

SA-103
E-6
For 13" auger
- With reversing switch
- Capacity: 6000 to 9000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1 HP 115V
- Weight: 100 lbs
- Bin diameters: 18' to 36'
- Reversible switch to change from narrow to wide spread

SA-104HS
E-6 HIGH SPEED
For 13" auger
- With reversing switch
- Capacity: 6000 to 9000 Bu./Hr. (Depending on grain and moisture)
- Powered: oil bath gear case
- Motor: 1 HP 115V
- Weight: 100 lbs
- Bin diameters: 42' +
- Reversible switch to change from narrow to wide spread

11-15/GSCO

| Note: 3 phase is also available, please specify voltage when ordering 230V or 460V. We recommend a Reversible Spreader on bins over 30'. |