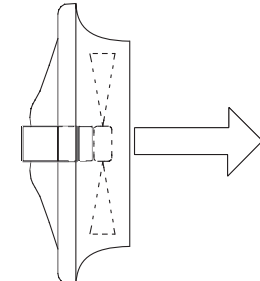
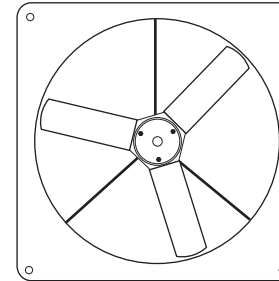


AC SNAP-FAN INSTALLATION



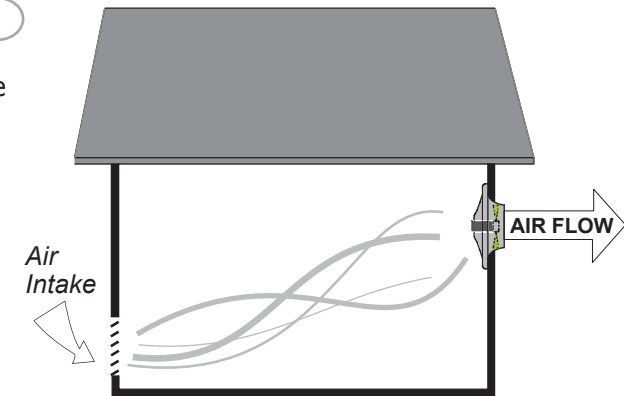
Only a qualified and licensed electrician or contractor should install or service Snap-Fan products. If someone other than a licensed electrician installs a Snap-Fan, Snap-Fan disclaims all warranties for the product, and specifically disclaims any warranty for consequential damages.



Proper Placement

Be sure to place the fan in a suitable location to maximize air movement. Typically Snap-Fans are installed close to room's ceiling to both exchange and circulate warm interior air with cool air from outside. The air intake opening should be placed at a low spot on the opposite end of the structure, bringing cool air across it.

We recommended the free area of your air intake to be approximately 2 times the surface area of the exhausted air (size of opening on fan).



The Elements

Shelter your Snap-Fan from inclement weather and natural hazards such as, not limited to; wind, water, rain, hail, dust, ice, snow and nesting birds. If you do not plan on using your Snap-Fan during wet winter months please remove it and store in a dry location. Long periods of moisture shortens the life span of the motor. Snap-Fan must not be placed in harsh fertilizer environments.

Safety Information



All applicable electrical safety precautions and building codes must be adhered to and followed when installing this product.



Occupational Safety and Health Administration (OSHA) requires finger guards at locations under eight feet from the floor.

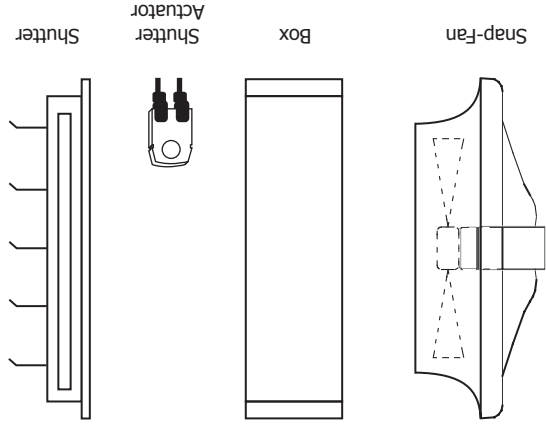
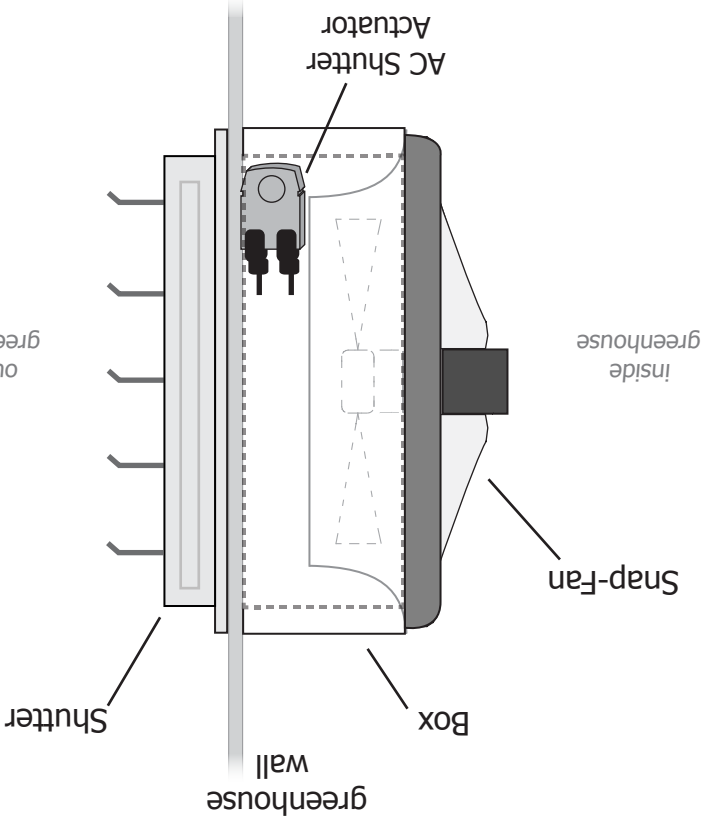


Refer to installation and operation manuals before installing, servicing or operating this unit.



DO NOT CUT AWAY ANY FRAMING FROM THE ORIGINAL STRUCTURE, AS IT MAY EFFECT LOAD BEARING CAPACITY.

INSTALLING SNAP-FAN



Product Support & Contact Information

Fogco
600 S 56th St, Ste 9
Chandler, AZ 85226
480-507-6478
For claims, please contact your retailer directly
or email us at: info@fogco.com
Visit snap-fan.com for replacement parts

RETAIL RETURN POLICY Only applicable if you ordered directly from Fogco.

The goal of Fogco is that its customers be completely satisfied with their purchase. If you are not completely satisfied, you have 30 days from the date of purchase to return the unused, undamaged product. Please first contact Fogco to obtain authorization for the return and RGA # and then return the product to Fogco. All returns are subject to a 25% restocking fee. Upon receipt, the purchase price, less any restocking fee, will be refunded so long as the product and its packaging is in merchantable condition. No returns will be accepted for products that are not in a merchantable condition. No returns will be accepted without prior authorization and all shipping costs are the sole responsibility of the purchaser. No returns will be accepted for products purchased from somewhere other than directly from Fogco – any such returns should be made to that location and made in conformance with that location's own return policy. (If any. Finally, no returns will be accepted for custom made or special order items. If you have any questions about this policy, please contact us.

LIMITED WARRANTY

Fogco extends this limited warranty to the original purchaser (the "Purchaser") and warrants that fans supplied by Fogco shall be free from original defects in workmanship and materials for five years from date of shipment, and warrants that electronics and fan accessories be free from original defects in workmanship and materials for one year from date of shipment provided those products have been properly handled, stored, installed, serviced, maintained and operated. This warranty shall not apply to products which have been **improperly installed, altered or repaired** without Fogco's express authorization, or altered or repaired in any way so as, in Fogco's judgment, to affect its performance or reliability or subjected to misuse, negligence, or accident, or incorrectly used in an combination with other products. **Improper installation** specifically includes, but is not limited to: (1) the use of the Product in an environment where it is exposed to nominal voltage in excess of 24 volts DC, or in the case of an AC Product, in excess of the voltage specified on the Product ("overvoltage"); (2) use or storage in a setting where the product is exposed to inclement weather. Any damage that Fogco determines, in its sole discretion, as resulting from misuse shall not be covered by any warranty.

LIMITATION OF REMEDY AND DAMAGES: All claims under this warranty must be first made by telephone to Fogco at 480-507-5478, within 15 days after discovery of the defect and prior to the expiration of five years from the date of shipment by the company of the product. Fogco shall be free from any remedy if Purchaser fails to make such claim within such period. Within 30 days after receipt of a timely claim, Fogco will authorize the Purchaser to return the product to Fogco at Purchaser's sole expense for inspection by Fogco. Following such inspection, Fogco will replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Purchaser F.O.B. point of shipment; provided, however, if circumstances are such that as in Fogco's sole judgment repair or replacement is impractical or that the repair or replacement would result in further warranty work due to the particular use of the Product, the Purchaser's sole and exclusive remedy shall be a refund to the Purchaser of any part of the invoice price paid to Fogco for the defective Product or part.

Under no circumstances shall Fogco be responsible for the cost of removal of the defective Product or part, damages due to removal, or any expenses incurred in shipping the Product or part to or from Fogco, or the installation of the repaired or replaced Product or part. The warranties set forth above do not apply to any components, accessories, parts or attachments manufactured by other manufacturers, such as being subject to that manufacturer's warranty, if any. To the extent not prohibited by that manufacturer's warranty, Fogco shall pass through to Purchaser such manufacturer's warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED AND WAIVED. THIS WARRANTY CONSTITUTES SNAP-FAN'S SOLE AND EXCLUSIVE WARRANTY FOR DEFECTIVE GOODS AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCTS.

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of Fogco or to assume for Fogco any other liability in connection with any of its products except in writing and signed by an officer of Fogco. TECHNICAL ADVICE AND RECOMMENDATIONS, DISCLAIMER: Notwithstanding any past practice or dealing or any custom of the trade, sales shall not include the furnishing of technical advice or assistance or system design. Any such assistance shall be at Fogco's sole option and may be subject to additional charge.

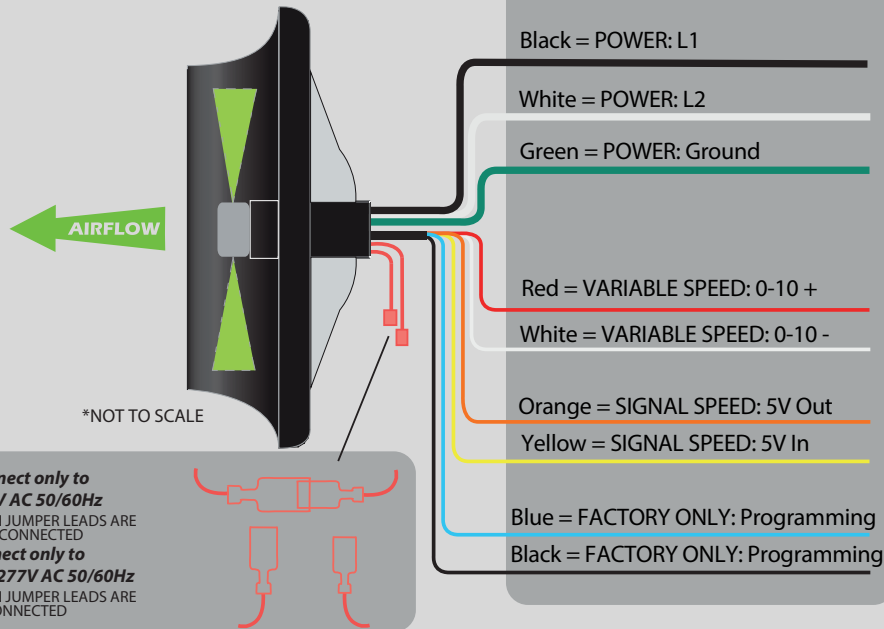
Fogco assumes no obligation or liability on account of any recommendations, opinions or advice are given and shall be accepted at Purchaser's sole risk and shall not constitute products. Any such recommendations, opinions or advice are given and shall be accepted at Purchaser's sole risk and shall not constitute any warranty or guarantee of such Products, their performance, or their suitability for any particular purpose. LIMITATION OF LIABILITY: The cumulative liability of Fogco to the Purchaser and any other persons for all claims in any way relating to or arising out of the Products, including, but not limited to, any cause of action sounding in contract, tort, or strict liability, shall not exceed the total amount of the purchase price paid for those Products which are the subject of any such claim. This limitation of liability is intended to apply without regard to whether other provisions of this agreement have been breached or have proven ineffective even if Fogco has been advised of the possibility of such claims or demands. In no event shall Fogco be liable to the Purchaser or any other person for any loss of profits or any incidental, special, exemplary, or consequential damages for any claims or demands brought by the Purchaser or such other persons. INDEMNITY: Fogco's maximum liability to Purchaser and to any other user is as set forth above. Fogco makes no warranty to anyone for any products not manufactured by it and shall have no liability for any use or installation of any Products (whether manufactured by Fogco or other manufacturers) not specifically authorized by this sale. Purchaser acknowledges various warnings by Fogco regarding the products and its installation and use and acknowledges that the Product should only be installed by a competent, trained and licensed electrician or contractor. If Fogco incurs any claims, lawsuits, settlements, or expenses (including attorney fees) for any loss, injury, death or property damage including, but not limited to, claims arising out of the Purchaser's or any end user's installation or use of the products, the Purchaser shall indemnify and hold Fogco harmless unless such injury, death, or property damage unless such was the result of Fogco's sole negligence or willful misconduct.

AC FAN WIRING

SF.P12AC120
SF.P16AC120
SF.P20AC120



Only qualified personnel should install or perform maintenance on Snap-Fan, Snap-Fan controllers and Snap-Fan motor.



1. Ensure the motor's voltage selection jumper leads are in the correct configuration for your power supply. Interconnect the motor's jumper leads for connection to 115V input voltage supply. Keep the jumper leads disconnected for connection to 208-277V input voltage supply.
2. Connect fan's power leads to power source of appropriate voltage. The EC20 Max fan remains wired to power. The fan will only draw power and run when one of the following modes is selected.
3. To run fan at factory programmed max speed connect 5V Out (Orange Wire) to 5V In (Yellow Wire). To Run fan at factory programmed half speed connect 5V Out (Orange Wire) to 10V In (Red Wire).
4. To run fan using variable speed control:
Connect only the red and white signal wires to 0-10V control signal.

5. Use a wire nut or electrical tape to seal off any unused wires.



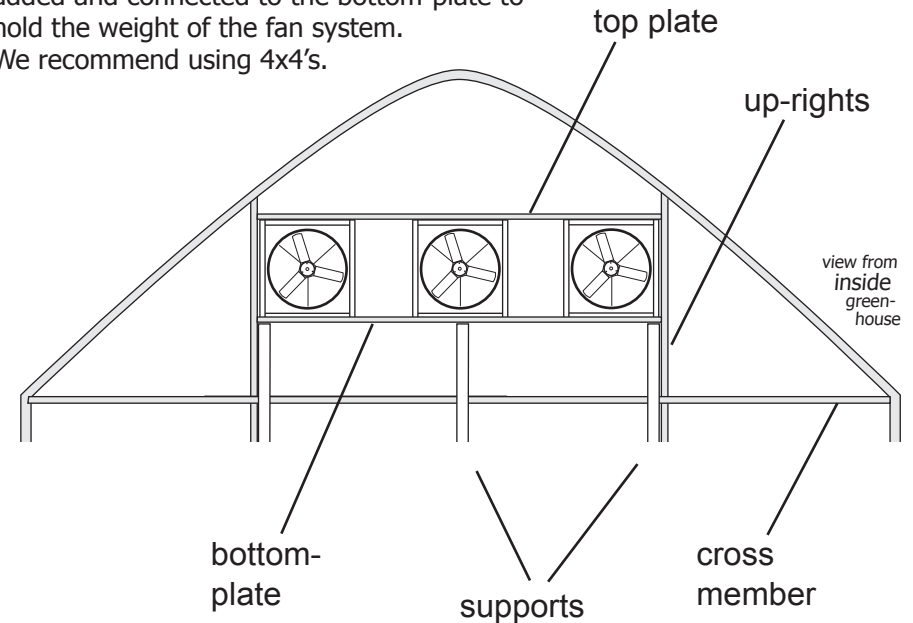
1

Choose a location to install your Snap-Fan(s).

Exhausting hot air from the highest point possible is recommended.

Measure the distance between the two up-rights on the end wall of the greenhouse. Or locate a cross member at a suitable height to act as a shelf to mount your bottom-plate onto.

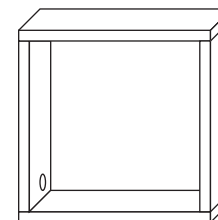
Center and side support posts will need to be added and connected to the bottom-plate to hold the weight of the fan system. We recommend using 4x4's.



2

Build a square box for each fan to be mounted in.

See page 8-9 for box dimensions



*optional with automated shutter

If installing shutter with shutter actuator:

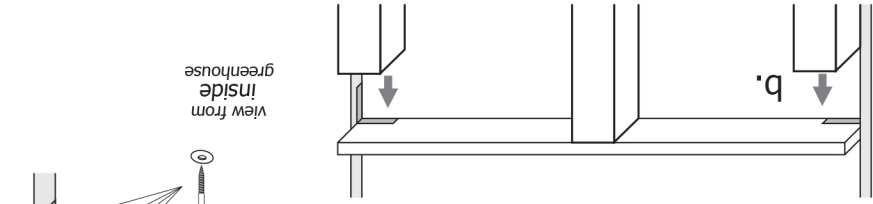
When framing 12", 16" or 20" fan:
use 2x6 lumber (1.5" x 5.5")

When framing 24" fan: use 2x8
lumber (1.5" x 7.5")

*If installing shutter actuator: Drill hole on one side to allow wiring of the actuator and fan to go through. If installing multiple fans, consider drilling holes on both sides to allow the wires to run through multiple boxes.

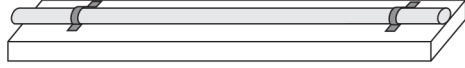
3

- From inside, secure the bottom-plate to metal framing of the greenhouse.
- (a) Connect the bottom-plate to the up-rights using L brackets.
- a.
- The front edge of the bottom-plate must be flush to the inside of the greenhouse wall.



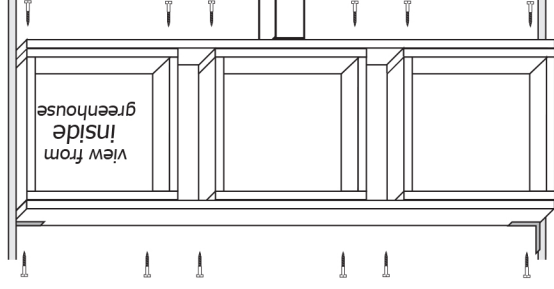
- (b) Add the center and side supports to the bottom-plate.

- (c) If a cross member is already in place you have the option of connecting the shelf to the greenhouse frame using saddle clamps, if it can sit flush with the inside of the greenhouse wall..
- Be sure to still provide the support posts.**



4

- Securely attach each box to the bottom-plate, making sure they are evenly spaced. Once all boxes have been mounted, the top of each box must be secured to the greenhouse framing:



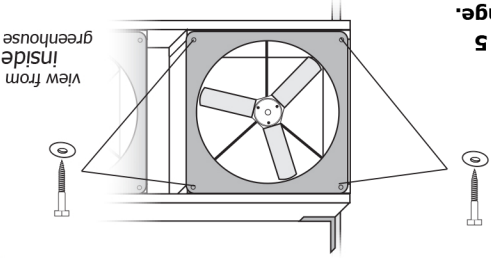
- option a:
Create and attach a top-plate to finish out the framing. Connect top-plate to up-rights using L brackets.

- option b:
If a cross member is already in place you have the option of connecting the top of the frame to the cross member using saddle clamps.



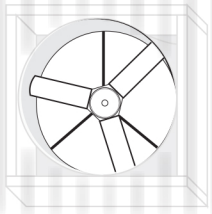
5

- Mount each fan onto its corresponding box on the inside of the greenhouse using recommended 1/2" x 4" hex head lag screw and washer.
- If installing automated shutter skip step 5 and see instructions on bottom of this page.**

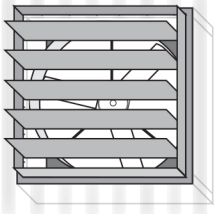


See below the 3 outside wall options: view from outside greenhouse

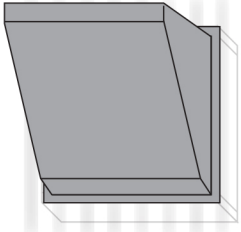
Round opening
with battening plastic
not recommended



Shutter
#1 recommended

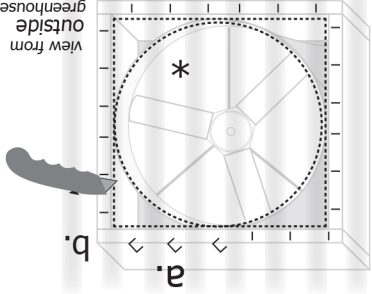


Rain hood
#2 recommended



6

- Cut out opening in the greenhouse wall: (from the outside of the greenhouse)
- (a) staple or finish nail the greenhouse siding to the wooden box all the way around.
- (b) Remove the greenhouse siding to allow air movement. Cut/saw just inside of the box. *You have the option to cut around the end of the bell curve (opening) of the fan instead of a square. This is recommended if you are not adding a shutter or rain hood.



- Shutter:**
Install shutter to the wooden box from the outside of the greenhouse. The greenhouse siding will be sandwiched between box and shutter. See shutter install instructions included in shutter packaging.
- Shutter Actuator:**
Connect shutter to shutter actuator. If you ordered an automated shutter see shutter actuator install instructions included in actuator packaging for details on connecting and wiring. **You will need to mount fan after installing shutter and shutter actuator.**

