

INSTALLATION INSTRUCTIONS FOR SOLAR ROOF-MOUNTED POWER VENTS

Models: VX1000SOLAR Series, CXSOLRF Series

Read all warnings and instructions before starting installation of this fan

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR EVEN DEATH

- 1. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.**
- 2. Installation work and electrical wiring must be performed by a qualified person in accordance with all applicable codes and standards, including fire-rated construction.**
- 3. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.**
- 4. The combustion airflow needed for safe operation of fuel-burning equipment may be affected by this unit's operation. Follow the heating equipment manufacture's guideline and safety standards such as those published by the National Fire and Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air-conditioning Engineers (ASHRAE), and the local code authorities.**

CAUTION

1. This fan is controlled by a solar panel and may start unexpectedly if the panel is exposed to sunlight. Keep the panel securely covered until the fan is mounted, or when servicing the fan.
2. This unit has an unguarded propeller. Do not use in locations readily accessible to people or animals.
3. Mount with the lowest moving parts at least 8 feet above floor level.
4. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
5. Carbon monoxide is an odorless, colorless gas that can kill. It may be drawn into the house by operating this fan if your fuel-burning equipment is not properly maintained, or if you lack adequate attic intake vents.



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INSTALLATION INSTRUCTIONS

THIS ROOF-MOUNTED UNIT IS DESIGNED FOR ATTICS OF AVERAGE SIZE AND OPERATES MOST EFFICIENTLY WHEN AIR INTAKES ARE LOCATED AROUND THE EAVES. ALTERNATIVELY, AIR INTAKE MAY BE FROM OPPOSING GABLE VENTS, BUT NEVER FROM ROOF OR RIDGE VENTS. AT LEAST 400 SQ-IN NET FREE AIR INTAKE VENT AREA IS REQUIRED, PER UNIT, FOR SAFE AND EFFICIENT OPERATION. THE MOTOR OPERATES ON 18 V.D.C. CURRENT AND THE SOLAR PANEL IS RATED AT 12.6 WATTS.

SUITABLE FOR INSTALLATION ON ROOFS UP TO 8/12 PITCH*

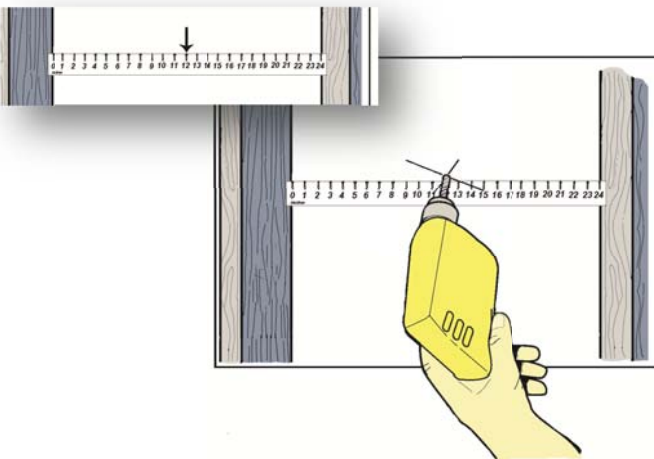
Step 1

Place unit on top of shingles, approximately in the center of the roof and close to the ridgeline, but positioned so the unit is only visible on one side of the house.



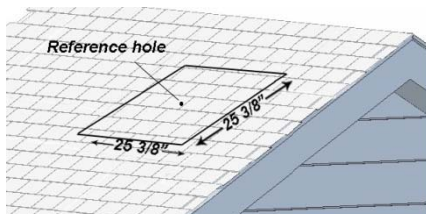
Step 2

When this position is established, locate a centerline directly between two rafters and, from inside the roof, drill a hole through the roof. This hole will be used as a reference point for the following operations.



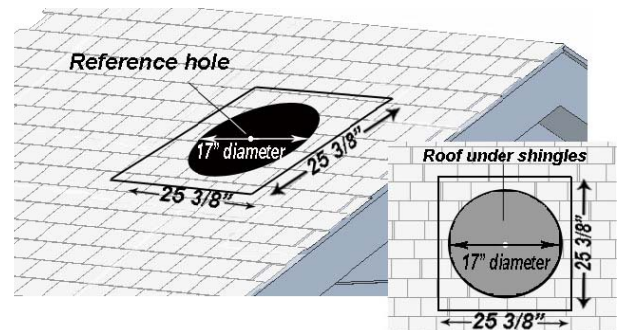
Step 3

Draw a reference square 25 3/8-in x 25 3/8-in on the roof using the hole drilled in Step 2 as the center.



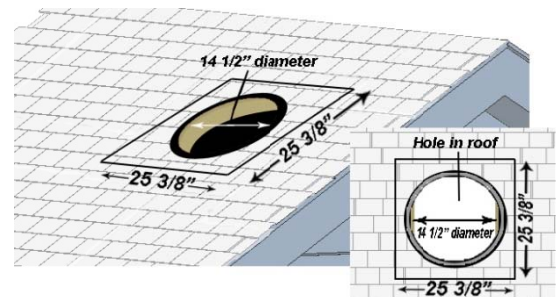
Step 4

Within the square, draw a 17-in diameter circle and remove shingles, nails, and felt from the circle just drawn.



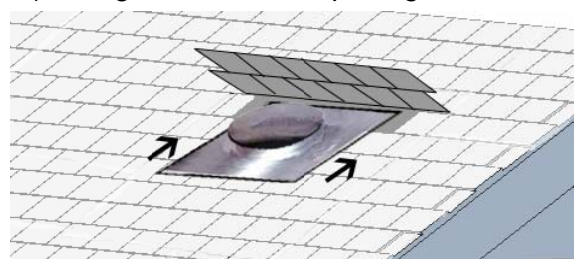
Step 5

Next draw a 14 1/2 -in diameter circle inside the 17-in circle on the decking. Be sure to use the hole drilled in Step 2 as a center of this circle. Cut through the decking, using the 14 1/2-in circle as the cut line.



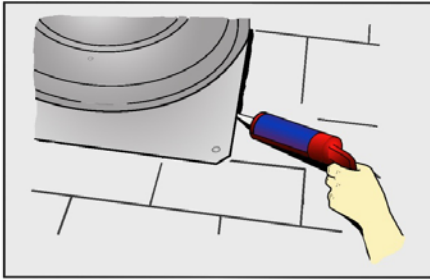
Step 6

Slide the flange of the unit up under the shingles (some roofing nails may need to be removed). Position the unit on the reference square (drawn in Step 3) to align the exhaust opening.

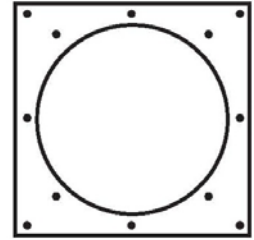


Step 7

When the unit is properly located, apply a generous amount of roofing compound between the flange and the shingles approximately 1-in inside the perimeter of the flange and begin to secure with nails.



Suggested nailing pattern:



Step 8

Check the installation for leakage with water from a garden hose. Do not spay water directly into the vent opening.

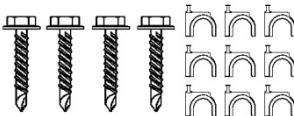
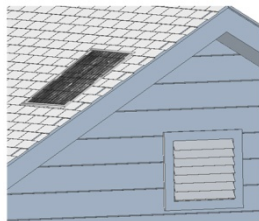
SOLAR PANEL INSTALLATION

Step 1

Mount the 4 brackets to the solar panel with the 8 screws provided.

Step 2

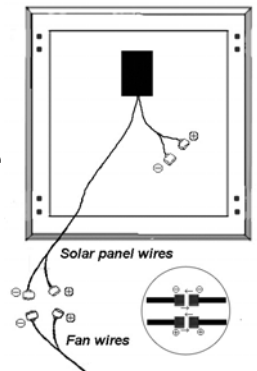
When placing the solar panels on your roof, choose a southern or western exposure, away from trees and afternoon shadows. Mount the solar panel onto the roof with the 4 screws and lock washers provided.



Step 4

Protect the solar panel from the sun, using a non-translucent material such as the original package, so that it will not produce power and activate the fan unexpectedly.

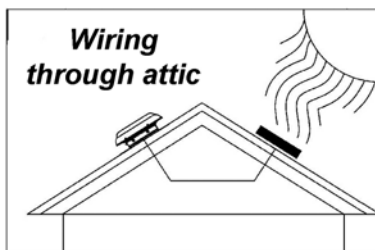
Connect the wires of the solar panel to those of the attic vent. Be sure to connect the positive wire from the solar panel to the positive wire from the fan, and the negative wire from the solar panel to the negative wire from the fan.



Step 3

It is acceptable for the wires connecting the power attic ventilator and the solar panel to run across the roof. If you prefer to route the wires through the attic, do the following:

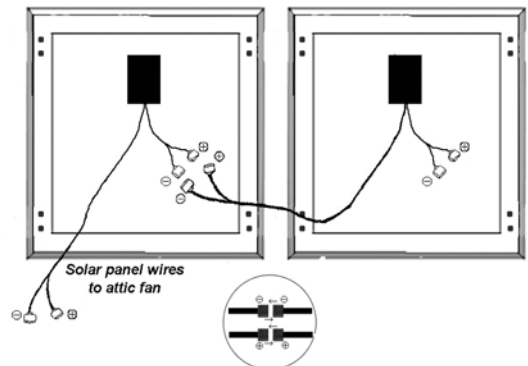
- A) Drill a hole in the roof deck near the top of the solar panel location.
- B) Insert connector wires through the hole into attic.
- C) Add caulking around the hole.



Recommendation:

Hose the panel down periodically to ensure that the cells do not become obstructed by excessive dust or other debris, as this could affect the output.

TIP: To increase the power of the fan, additional solar panels may be added, using the easy-connect clips.



*For information on roof pitch, please refer to the additional instructions at www.bvc.com.

VENTAMATIC, LTD.
LIMITED WARRANTY

Ventamatic, Ltd. extends this warranty to the original occupying owner of the home where this product is installed that this product will be free from defects of material or workmanship for the time period listed by model number below:

VX1000SOLAR Series or CXSOLRF Series	DC Motor	Limited 5-Year
	Solar Panel	Limited 10-Year

No subsequent purchaser of this product or of the home in which the product is installed is entitled to the benefits of the warranty.

Ventamatic, Ltd. will replace the defective part or component only and return the new part to you freight prepaid. Customer must bear all other expenses incurred, including labor required for field repair or replacement and cost of return shipping of the defective part or component to Ventamatic. Customer must also bear the cost of replacement of any part or component and the shipping charges incurred for the replacement and return of any part or component not covered by this warranty, including parts or components damaged by customer.

Ventamatic, Ltd. reserves the right to demand and receive written evidence of the date of purchase before undertaking to perform its obligations under this warranty. **YOU SHOULD, THEREFORE, RETAIN YOUR SALES SLIP AND ATTACH IT TO YOUR WARRANTY CLAIM.**

In order to obtain the replacement of a part or component, you must select one of the following methods:

A. Return to factory.

Return postage prepaid the fan or part you believe to be defective to the address below:

Ventamatic, Ltd.
100 Washington Street
Mineral Wells, TX 76067

Include your name & address and a copy of your proof of purchase or installation.

B. Return to place of purchase.

There is no informal dispute settling mechanism available in the event of a controversy involving this warranty.

Any and all implied warranties shall be limited to the duration of the express warranty set forth above. In some states, limitations of the duration of implied warranty do not apply.

Ventamatic, Ltd. shall not be liable for incidental or consequential damages, whether direct or indirect based upon breach of warranty, breach of contract, negligence or tort. If any suit or other action is brought against Ventamatic by customer, Ventamatic and customer irrevocably waive the right to trial by jury.

Purchase and installation of this product constitutes acceptance of the terms of this warranty by customer.