

# **INSTALLATION INSTRUCTIONS FOR SOLAR ROOF-MOUNTED POWER VENTS (Solar Panel Mounted on Dome)**

*Models: VX1000SOLDOM Series, CXSOLRFDM 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 done by qualified person(s) 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 manufacturer'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 15 WATTS.

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

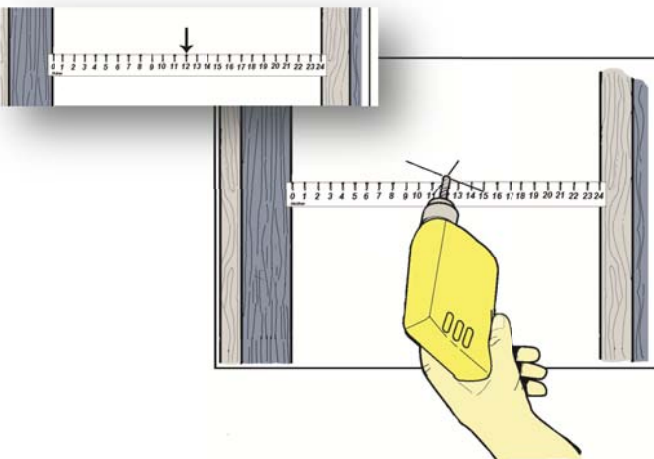
## Step 1

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.



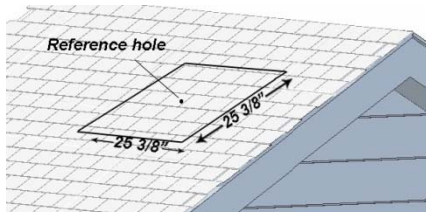
## Step 2

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.



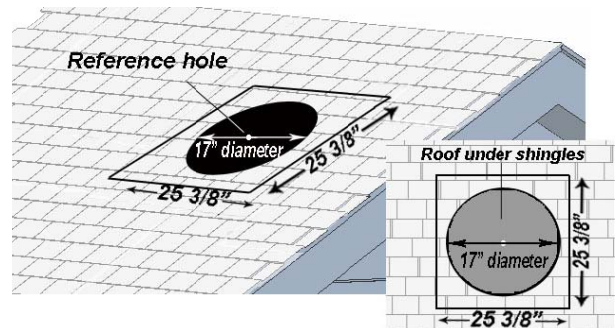
## Step 3

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.



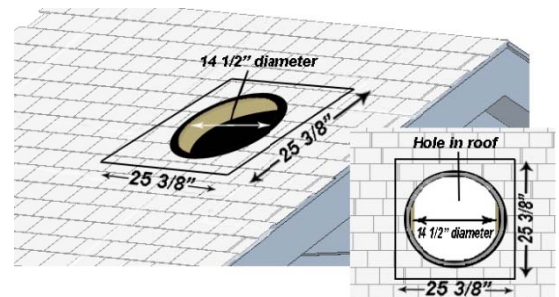
## Step 4

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



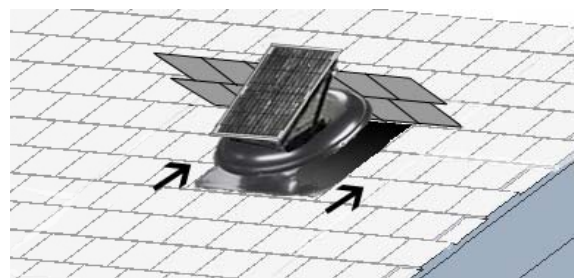
## Step 5

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.



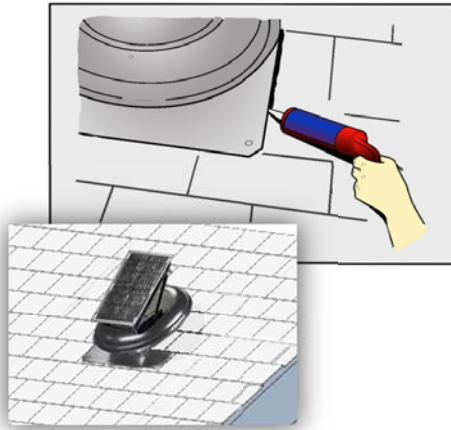
## Step 6

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.

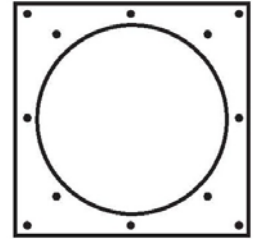


### Step 7

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:



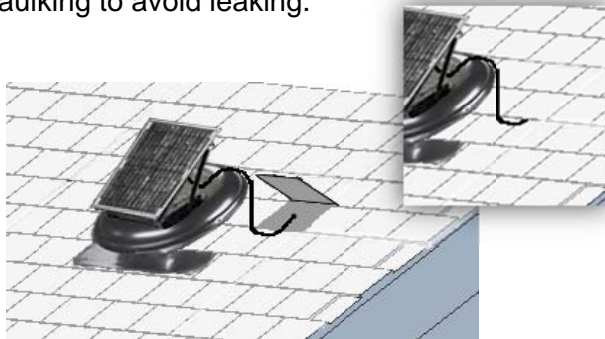
### Step 8

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

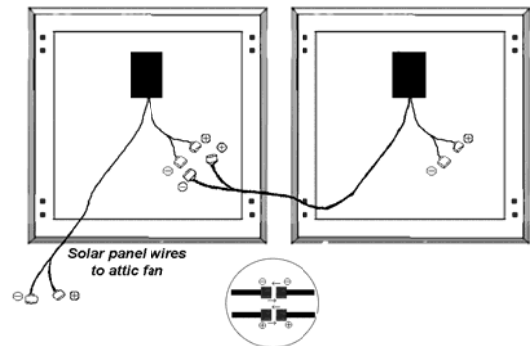
The wiring must connect to the fan inside the attic. To run the wiring through the roof, drill a hole under a shingle next to the base of the fan. Seal the hole and replace the shingle with caulking to avoid leaking.



### 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.

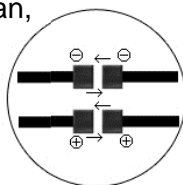
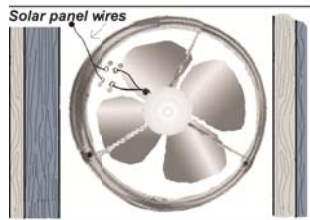
**TIP:** To increase the power of the fan, an additional solar panel may be added, using the easy-connect clips.



### Step 2

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.

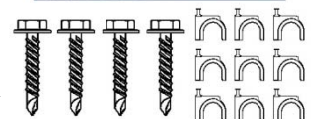
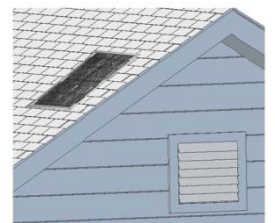


### Step 1

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.



\*For information on roof pitch, please refer to the additional instructions at [www.MYMAXXAIR.com](http://www.MYMAXXAIR.com).

VENTAMATIC, LTD.  
LIMITED WARRANTY

This warranty is underwritten by Falco Insurance Company and is extended to the original retail purchaser of this model or, if this unit is purchased and requires installation by a building contractor, to the original owner of the home. No subsequent purchaser of the unit or of a home in which it is installed is entitled to any of the benefits of this warranty.

This product is warranted against defects in materials and workmanship for the time period listed by model number below, from the date of original retail purchase. No other parts or components are warranted. There is no warranty for defects caused by abuse, faulty installation, or the like.

VX1000SOLDOM Series or CXSOLRFDM Series	DC Motor	Limited 5-Year
	Solar Panel	Limited 10-Year

Repairs or replacement parts supplied under this warranty are warranted only for the period of this warranty; that is, in the time period stated above, from the date of the original retail purchase of the unit. In the event of a defect or malfunction, we will replace or repair the defective part or component only and return the new or repaired part to you freight prepaid.

You must bear all other expenses incurred in obtaining repairs, including labor required for field repair or replacement, and the cost of shipping the defective part to us. You must also bear the cost of repair to or replacement of any part or component and the shipping charges incurred for the repair or replacement and return to you of any part or component not covered by this warranty, including parts or components damaged by you.

The company reserves the right to demand and receive written evidence of the date of purchase before undertaking its obligations under this warranty. The right to demand and receive written evidence of date of purchase extends to all licensed dealers of Ventamatic, Ltd. products.

You should, therefore, retain your sales slip and attach a copy of it to the warranty claim.

**To start a warranty claim you must:  
Contact Ventamatic, Ltd.**

An RGA (Returned Goods Authorization) form is required for returns to the factory to ensure your return can be processed efficiently and quickly. Please contact Ventamatic, Ltd. toll-free at 800-433-1626 or via web at [www.MYMAXXAIR.com](http://www.MYMAXXAIR.com) to obtain an RGA and follow the instructions given.

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

Any and all implied warranties which may exist terminate upon the expiration of this warranty in the time period stated above, from the date of the original retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

Ventamatic, Ltd. is not liable to you for incidental or consequential damages arising out of defect or malfunction of a unit or its installation or out of any alleged breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

*rev. 4/19*