



# Product Evaluation

RV107 | 0418

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** RV-107

**Effective Date:** April 1, 2018

**Re-evaluation Date:** April 2022

**Product Name:** Series/Model 300/450 Solar Attic Fan

**Manufacturer:** Remington SOLAR, Inc.  
5706 Mockingbird Ln  
Suite 115-189  
Dallas, TX 75206  
(214) 257-8300

**General Description:** The attic fans are self-flashing, roof mounted, solar powered attic fans that are designed for installation on asphalt shingle roofs or roofs with low slope roof coverings.

The attic fan is comprised of a steel base (maximum 27" x 27") that forms the flashing for the fan. The base is constructed of painted steel. The base is a one piece construction with a collar that has a tapered profile. The collar is 13" in diameter at the top and tapers to 20" in diameter at the bottom. The shroud is constructed of painted steel. The shroud is 20" in diameter at the top and tapers to 23-1/2" in diameter at the bottom. The shroud contains the solar panel, fan, and fan housing system. The shroud is secured to the base with four braces. Each brace is secured to the base with two No. 10 x 3/4" machine screws and nuts. Each brace is secured to the shroud with one No. 10 x 3/4" machine screw and nut.

**Limitations:**

**Design Pressure:** -275 psf

**Roof Slope:** Minimum 1/4:12 roof slope. Maximum 12:12 roof slope.

**Installation:**

**Roof Deck:** The roof deck must be minimum 15/32" plywood.

**General Installation:** Follow the Remington SOLAR installation instructions. The solar fan must be installed between the roof framing. The attic fan flashing is installed underneath the roof covering material.

**Attachment:** The attic fan is secured to the roof deck using the flashing (base) of the attic fan. Secure the flange to the plywood deck with minimum No. 10 x 1-1/2" hex head screws. The fasteners are located at the corners and center along all four sides of the flange within 1" of the flange edge. The fasteners must be long enough to fully penetrate the plywood deck.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.