

## Product Evaluation

RV107 | 0522

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:** May 1, 2022

**Re-evaluation Date:** May 2026

**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 (22-3/8" x 22-3/8") that forms the flashing for the fan. The base is constructed of 22-gauge painted steel. The flashing has a 13-5/8" diameter hole. The neck is 13-5/8" in diameter and consists of a solid 22-gauge steel part and a stainless-steel wire mesh part. The housing is constructed of 22-gauge galvanized powder coated steel. The housing is 18-1/2" x 18-1/2". The solar panel is secured to the top of the housing. The fan is available in 20-, 25-, 30-, and 40-Watt models.

**Limitations:**

**Design Pressure:** -397 psf

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

**Installation:**

**Roof Deck:** The roof deck must be solidly sheathed with minimum 3/8" OSB wood structural panels.

**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 flashing to the wood deck with minimum No. 10 x 1-1/2" wood screws. The fasteners are placed in predrilled holes in the flashing located at the corners and center along all four sides of the flashing. The fasteners must be long enough to fully penetrate through the wood deck.

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