

Product Evaluation

RV78 | 0524

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-78

Effective Date: May 1, 2024

Re-evaluation Date: May 2028

Product Name: Static and Motorized Roof Vents

Manufacturer: Air Vent, Inc.
4117 Pinnacle Point Drive
Suite 400
Dallas, TX 75211
(214) 630-7377

Marketed by: Air Vent
Tri-Built Materials Group, LLC
Atlas Roofing Corporation
SRS Distribution Inc.

General Description:

The static roof vents are available as slant back, square, or round models. The motorized roof vents are available as round models. The vents may be steel, aluminum, or plastic construction. The vents are available in several colors.

This evaluation report includes the following static and motorized roof vents.

Model Number	Type Vent
UH50	Static, Aluminum, Square
550	Static, Aluminum, Square
SQP61	Static, Plastic, Square
SLP61	Static, Slant Back, Plastic
SLP150	Static, Slant Back, Plastic
SLA	Static, Slant Back, Aluminum
RVA40	Static, Square, Aluminum
RVG40	Static, Square, Steel
RVA50	Static, Square, Aluminum
RVG50	Static, Square, Steel
RVA51	Static, Square, Aluminum
RVG51	Static, Square, Steel
RVG53	Static, Square, Steel
RVG55	Static, Square, Steel
RVP61	Square Top, Plastic
B144	Static, Round, Steel
BR26	Motorized, Round, Steel
ASR-HPML	Motorized, Round, Steel
HE-15	Motorized, Round, Steel
PC15BK	Motorized, Round, Steel
RV26WWMT	Motorized, Round, Steel
RV28	Motorized, Round, Steel

Note: Air Vent manufactures roof vents that are marketed by Tri-Built Material Group, LLC, and Atlas Roofing Corporation. The vents are exactly the same as the Air Vent models. The Air Vent name will be on the box of the Tri-Built Materials Group, LLC products and the Atlas Roofing Corporation products. The Atlas Roofing Corporation products will have the same model numbers as the Air Vent products. The Tri-Built Materials Group, LLC products may have a different part number. The equivalencies are noted in Table 1. The SRS products may have a different part number and those equivalencies are noted in Table 2.

Table 1. Tri-Built Equivalencies

Air Vent Model Number	Tri-Built Part Numbers					
UH50						
550						
SQP61						
SLP61	556330	556331	557436	557426		
SLP150						
SLA	631811	631812	631814	556325	556326	557406
RVA40						
RVG40						

Table 1. Tri-Built Equivalencies (Continued)

Air Vent Model Number	Tri-Built Part Numbers					
RVA50						
RVG50						
RVA51	556327	556328	557407	557408		
RVG51	557416	557417	557418	557419		
RVG53						
RVG55	557412	557413	557414	557415		
RVP61						
B144						
BR26	557420	557421	557422			
ASR-HPML						
HE-15						
PC15BK						
RV26WWMT						
RV28						

Table 2. TopShield Equivalencies

Air Vent Model No.	TopShield Part No.							
RVG55	RVG55006TS	RVG55016TS	RVG55086TS	RVG550G6TS	RVG55F06TS	RVG55F16TS	RVG55F86TS	RVG55FG6TS
SLA	85281TS	85282TS	85283TS	85284TS				
RVA51	RVA510000TS	RVA510100TS	RVA510800TS	RVA510G00TS				

Product Dimensions:

Model Number	Base	Height
UH50	16.00" x 16.00"	3.46"
550	15.50" x 15.50"	3.80"
SQP61	17.00" x 17.94"	4.47"
SLP150	24.83" X 21.50"	7.82"
SLP61	16.50" x 19.50"	5.00"
SLA	20.40" x 15.90"	4.90"
RVA40	16.80" x 14.00"	4.20"
RVG40	16.80" x 14.00"	4.20"
RVA50	16.80" x 18.80"	4.10"
RVG50	16.80" x 18.80"	4.10"
RVA51	16.80" x 15.00"	4.00"
RVG51	16.80" x 15.00"	4.00"
RVG53	15.00" x 11.80"	6.30"
RVG55	20.40" x 15.90"	5.00"

Product Dimensions (Continued):

Model Number	Base	Height
RVP61	17.00" x 17.90"	4.06"
B144	24.00" x 24.00"	8.40"
BR26	24.00" x 24.00"	8.40"
ASR-HPML	24.00" x 24.00"	8.40"
HE-15	24.00" x 24.00"	8.40"
PC15BK	24.00" x 24.00"	8.40"
RV26WWMT	24.00" x 24.00"	8.40"
RV28	24.00" x 24.00"	9.50"

Limitations:

Roof Slope: The roof vents must be installed on roofs with a minimum slope of 3:12 and a maximum slope of 12:12.

Installation:**General Instructions:**

All requirements specified in the IRC and the IBC must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

UH50, 550, SQP61, RVA51, RVG51, RVG53

Design Pressure: -90 psf

Roof Deck: Minimum 3/8" plywood deck

Attachment of Roof Vent to Roof Deck: The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.

SLP61

Design Pressure: -200 psf

Roof Deck: Minimum 3/8" OSB or plywood deck

Attachment of Roof Vent to Roof Deck: The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.

SLP150

Design Pressure: -60 psf (**Roof Deck:** Minimum 3/8" plywood deck)

Design Pressure: -150 psf (**Roof Deck:** Minimum 7/16" OSB deck)

Attachment of Roof Vent to Roof Deck: The base of the vent must be attached to the roof deck with minimum 1 1/2" long, 12-gauge smooth shank roofing nails. Eleven fasteners are required, located in the molded holes in the vent base. The fasteners must be long enough to penetrate into and through the roof deck.

SLA**Design Pressure:** -130 psf**Roof Deck:** Minimum 3/8" OSB or plywood deck**Attachment of Roof Vent to Roof Deck:** The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.**RVA40****Design Pressure:** -80 psf**Roof Deck:** Minimum 3/8" plywood deck**Attachment of Roof Vent to Roof Deck:** The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.**RVG40****Design Pressure:** -300 psf**Roof Deck:** Minimum 3/8" OSB or plywood deck**Attachment of Roof Vent to Roof Deck:** The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.**RVA50, RVG50, RVP61****Design Pressure:** -130 psf**Roof Deck:** Minimum 3/8" plywood deck**Attachment of Roof Vent to Roof Deck:** The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.**RVG55****Design Pressure:** -250 psf**Roof Deck:** Minimum 3/8" OSB or plywood deck**Attachment of Roof Vent to Roof Deck:** The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 1" from each corner and one at the

mid span of each side. The fasteners must be long enough to penetrate into and through the roof deck.

B144, BR26, ASR-HPML, HE-15, PC15BK, RV26WWMT, RV28

Design Pressure: -250 psf

Roof Deck: Minimum 3/8" OSB or plywood deck

Attachment of Roof Vent to Roof Deck: The base of the vent must be attached to the roof deck with minimum smooth shank roofing nails with a head diameter of 0.361", shank diameter of 0.115" and length of 1-1/4". The fasteners must be located 3" from each corner and one at the mid span of each side. The fasteners must be long enough to penetrate into and through the roof 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.