

Product Evaluation

RV126 | 0621

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-126

Effective Date: June 1, 2021

Re-evaluation Date: June 2025

Product Name: S-Series Aluminum Rooftop Exhaust Vents

Manufacturer: S&P USA Ventilation Systems, LLC
6393 Powers Avenue
Jacksonville, FL 32217
(904) 731-4711

General Description:

The S-Series aluminum rooftop exhaust fans are designed to exhaust air from an enclosed building. All fans may be used to exhaust clean air. The RHUL models may be used to exhaust both clean and grease-laden air

The STXB and STXB-RHUL models are upblast belt drive centrifugal exhaust fans

The STXD, STXDe, STXD-RHUL, and STXDe-RHUL models are upblast direct drive centrifugal exhaust fans

The SDB models are belt drive centrifugal downblast exhaust fans

The SDBD and SDBDe models are downblast direct drive centrifugal exhaust fans

Limitations:**Design Drawings:**

"STXB / STXBRHUL / STXD / STXDRHUL HIGH WIND;" manufactured by S&P USA; Drawing No. SSERIESHW; Sheets 1 thru 10 of 10; dated March 26, 2020; Revision B, dated May 6, 2020; signed, sealed, and dated May 14, 2021 by Chad C. Loritz, P.E. The stated drawings will be referred to as approved drawings in this report.

Allowable Design Pressure: The allowable design pressure as a function of model and model size is specified in the design drawing.

Product Identification: The exhaust vents have a permanent label that indicates the manufacturer (S&P USA Ventilation Systems, LLC); the model of the exhaust vent; and the size of the exhaust vent.

Installation Instructions:

General Installation Requirements: The exhaust vents must be installed in accordance with the manufacturer's installation instructions, the approved drawings, and this product evaluation report. Copies of the approved drawings must be available on the jobsite during inspection of the installation.

Anchorage: The exhaust vents are anchored to a roof curb and the roof curb is anchored to the roof structure. The roof curb is minimum 18-gauge steel. The roof construction is one of the following:

Steel framing (1/8" thick or minimum 12 gauge)

Wood framing (minimum 4" nominal thickness, minimum specific gravity of 0.42)

Concrete deck (minimum 2,500 psi)

Refer to the fastener requirements in the drawings for securing the roof curb to the exhaust fans and the roof curb to the structure.

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