**Air Vent Inc.**

**How to Size Power Vents?**

Power vents are rated in CFM – cubic feet of air moved per minute. The higher the CFM, the more powerful the vent and the more air exchanges per hour it provides. To determine the minimum CFM required, multiply the attic square footage by 0.7. For example:

\[ \text{1500 square ft} \times 0.7 = 1050 \text{ CFM} \]

Thus, a fan rated at least 1050 CFM is needed.

**How Much Intake Ventilation?**

Just like any exhaust vent, power vents need intake airflow to perform properly. To calculate how much intake the power vent needs simply divide the fan’s CFM capacity by 300 and then convert the number to square inches.

\[ \text{Example:} \]

\[ \text{1050 CFM} \]

\[ \frac{1050}{300} = 3.5 \text{ sq. in. of intake vent area needed} \]

**Why a Humidstat?**

A typical family of four produces an average of 2 to 4 gallons of water vapor per day in a home. In the winter this vapor is attracted to the cooler air in the attic, where it quickly condenses. Condensation can drip onto attic structure and promote the growth of mold and mildew, affecting the quality of the air in the home. So, for added protection, install a power vent equipped with a humidstat.

**Roof-Mount Models**

<table>
<thead>
<tr>
<th>Product</th>
<th>CFM</th>
<th>Color</th>
<th>Attic Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model AVI014</td>
<td>1500</td>
<td>Gray, Brown, Black</td>
<td>1,500 sq. ft.</td>
</tr>
<tr>
<td>Model AVI030</td>
<td>1500</td>
<td>Brown, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AV1000</td>
<td>1500</td>
<td>Brown, Weathered Brown</td>
<td>2,100 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0012</td>
<td>1110</td>
<td>Gray, Brown, Black, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AVI1212</td>
<td>1170</td>
<td>Steel, Gray, Brown, Black, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0018</td>
<td>1320</td>
<td>Gray, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0022</td>
<td>1500</td>
<td>Gray, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0042</td>
<td>1500</td>
<td>Steel, Gray, Brown, Black, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
</tbody>
</table>

**Gable-Mount Models**

<table>
<thead>
<tr>
<th>Product</th>
<th>CFM</th>
<th>Color</th>
<th>Attic Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model AVI0200</td>
<td>1620</td>
<td>Steel: Gray, Brown, Black, Weathered Brown</td>
<td>2,300 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0350</td>
<td>1320</td>
<td>Steel: Brown, Weathered Brown</td>
<td>1,650 sq. ft.</td>
</tr>
<tr>
<td>Model AVI0400</td>
<td>1500</td>
<td>Steel: Gray, Brown, Black, Weathered Brown</td>
<td>2,100 sq. ft.</td>
</tr>
</tbody>
</table>

**Replacement Plus™ Protection**

Replacement Plus provides reimbursement for all labor costs incurred in removing any defective vent and installing the vent replacement, in addition to the replacement product itself.

**Why?**

- Reduce energy costs
- Help eliminate damanging moisture
- Improve air quality
- Extend roof and shingle life

**For more information visit www.airvent.com**

**AVI014 AVI063R May 2017 new_Layout 1 7/6/17  3:27 PM  Page 1**
**Electric Power Vents**

Electric power attic ventilators are controlled by a factory pre-wired thermostat and/or a humidistat to ensure effective ventilation as needed. They deliver cooling results faster than wind turbines and roof louvers. Power vents are available for both roof- and gable-mount applications. Roof-mount power vents are ideal for hard-to-vent hip roof applications.

### ROOF-MOUNT

**Model ASRHP with Automatic Thermostat/Humidistat**
- 1500 CFM for attics up to 2,100 square feet
- Heavy-duty, rust-resistant steel dome
- Limited Lifetime Warranty includes 5-year Replacement Plus™ protection
- Requires 270 square inches of intake vents
- Dome colors available: Gray, Brown, Black and Weatherwood

**Model RV26 with Automatic Thermostat**
- 1770 CFM for attics up to 1,650 square feet
- Plastic or heavy-duty, rust-resistant steel dome
- 10-year Limited Warranty includes 5-year Replacement Plus™ protection
- Requires 562 square inches of intake vents
- Steel dome colors available: Gray, Brown, Black and Weatherwood
- Plastic dome color available: Gray

**Model SV3000 with Automatic Thermostat**
- 1500 CFM for attics up to 2,100 square feet
- Heavy-duty, rust-resistant steel dome
- Limited Lifetime Warranty includes 5-year Replacement Plus™ protection
- Requires 270 square inches of intake vents
- Dome colors available: Brown and Weatherwood

**Model PC12 with Automatic Thermostat/Humidistat**
- 1170 CFM for attics up to 1,650 square feet
- Heavy-duty, rust-resistant steel dome
- 10-year Limited Warranty includes 5-year Replacement Plus™ protection
- Requires 562 square inches of intake vents
- Dome colors available: Gray, Brown, Black and Weatherwood

**Model RV28 with Automatic Thermostat**
- 1320 CFM for attics up to 1,900 square feet
- Heavy-duty, rust-resistant steel dome
- 10-year Limited Warranty includes 5-year Replacement Plus™ protection
- Requires 654 square inches of intake vents
- Dome colors available: Gray and Weatherwood

**GABLE-MOUNT**

**Model AGPH with Automatic Thermostat/Humidistat**
- 1620 CFM for attics up to 2,300 square feet
- Limited Lifetime Warranty includes 5-year Replacement Plus™ protection
- Requires 778 square inches of intake vents

**Model AGP with Automatic Thermostat**
- 1620 CFM for attics up to 2,300 square feet
- Limited Lifetime Warranty includes 5-year Replacement Plus™ protection
- Requires 778 square inches of intake vents

**Model WCGB with Automatic Thermostat**
- 1320 CFM for attics up to 1,900 square feet
- 10-year Limited Warranty includes 5-year Replacement Plus™ protection
- Requires 654 square inches of intake vents

**Model WCGA with Automatic Thermostat**
- 1050 CFM for attics up to 1,500 square feet
- 5-year Limited Warranty includes 2-year Replacement Plus™ protection
- Requires 504 square inches of intake vents

### Built-in Quality

1. Pre-painted 22-gauge galvanized steel dome is more durable than aluminum. Screws are painted to match dome color.
2. Raised dome for greater airflow and easier flashing.
3. Plastic screen has distinct advantages over metal: it won’t corrode or rust and it won’t vibrate or create noise.
4. Six brace struts hold dome firmly in place.
5. Oversized 24” x 24” G-90 galvanized base flange for easy nailing and flashing.
6. Stiffening rib improves edge sealing and adds rigidity.

### Solar Power Vents

Roof-mount and gable-mount solar power vents are an exciting alternative to traditional power fans.

**Model 9930TR™ with 30-watt solar panel**
- Up to 1560 CFM under direct sunlight for attics up to 2,800 square feet
- Fade, rust and dent resistant heavy-duty plastic dome
- Solar panel is wired, half and impact resistant
- Solar panel tiles and rotors for maximum sun exposure and energy collection
- Optional Curb-Mounting Adapter available for flat roofs
- 5-year Limited Warranty
- Requires 941 square inches of intake vents

**Model SCBL with 10-watt solar panel**
- Up to 800 CFM under direct sunlight for attics up to 1,200 square feet
- Pre-painted galvanized steel dome; black
- Solar panel is wired and rotated for maximum sun exposure and energy collection
- Solar panel is wind, hail and impact resistant
- Optional Curb-Mounting Adapter available for flat roofs
- 5-year Limited Warranty
- Requires 384 square inches of intake vents

**Model NPS0WVW with separate 10-watt solar panel**
- Up to 800 CFM under direct sunlight for attics up to 1,200 square feet
- Pre-painted galvanized steel dome; weatherwood
- Solar panel installs separate on the roof
- Wind, hail and impact resistant solar panel
- 5-year Limited Warranty includes 2-year Replacement Plus™ protection
- Requires 384 square inches of intake vents

**Model 3920TR™ with 20-watt solar panel**
- Up to 1680 CFM under direct sunlight for attics up to 2,400 square feet
- Fade, rust and dent resistant heavy-duty plastic dome
- Solar panel is wired, half and impact resistant
- Solar panel tiles and rotors for maximum sun exposure and energy collection
- Solar Controller can power fan when sunlight is not available
- Optional Curb-Mounting Adapter available for flat roofs
- 5-year Limited Warranty
- Requires 807 square inches of intake vents

**Model 9912TR™ with 12-watt solar panel**
- Up to 795 CFM under direct sunlight for attics up to 1,350 square feet
- Fade, rust and dent resistant heavy-duty plastic dome
- Solar panel is wired, half and impact resistant
- Solar panel tiles and rotors for maximum sun exposure and energy collection
- Optional Curb-Mounting Adapter available for flat roofs
- 5-year Limited Warranty
- Requires 454 square inches of intake vents

1. Optional Solar Controller available.
2. Complies with Florida Building Code, evaluated by Texas Department of Insurance (TDI).
4. Air Vent full line of intake vents are listed on the other side of this brochure.