Fan powered crawl space ventilation quickly reduces moisture helping to protect both home and occupants.

- Ventilates excess moisture, the cause of mold, mildew and wood rot. Increases air circulation to fight condensation.
- Constant operation helps vent radon, treated wood off-gassing and odors that might otherwise migrate into living areas.

Three models to choose from:

**Model V1**
One fan and small faceplate for ventilation openings through brick foundations. (Requires switch or dehumidistat to activate. Multiple ventilators may be controlled by a single switch or dehumidistat). Includes thermostat.

**Model V1D**
One fan and large faceplate sized for ventilation openings through block foundations. Includes thermostat, dehumidistat and pre-wired 6' power cord.

**Model V2D**
Two fans and large faceplate sized for ventilation openings through block foundations. Includes thermostat, dehumidistat and pre-wired 6' power cord.

Suitable for Damp Locations
Facts to know about Crawl Space Ventilation

From Mississippi State University Extension Service:

- If soil is damp, as much as 20 gallons of water per 24 hours can evaporate into the air in a 1,400 sq. ft crawl space.

Primary causes of excess moisture include:
- Surface runoff water
- Poor ventilation
- No or poor ground vapor barrier

Signs of excess moisture in crawl space:
- Soil is wet
- Surface organism growth on floor joists
- Wet insulation
- Musty odors in crawl space or living areas
- Excessive moisture in living areas tending to migrate towards windows

UnderAire™ Crawl Space Ventilators

Designed and engineered for years of service

- Galvanized face plate may be trimmed if necessary
- Thermostat deactivates fan below 40°F to avoid freeze-ups
- Models V1D and V2D include adjustable dehumidistat
- Models V1D and V2D have 6' grounded power cord
- Sealed bearing motor(s)

Easy to install

Ventilators are installed inside crawl space behind existing ventilation opening. Screws and masonry wall anchors are included.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>V1</th>
<th>V1D</th>
<th>V2D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance</td>
<td>110 CFM</td>
<td>110 CFM</td>
<td>220 CFM</td>
</tr>
<tr>
<td>Motor</td>
<td>115/1/60 0.30 amps</td>
<td>115/1/60 0.30 amp</td>
<td>2 @ 115/1/60 0.60 amps</td>
</tr>
<tr>
<td>Dehumidistat</td>
<td>Optional Model DH10 dehumidistat available separately</td>
<td>OFF/ON or 20-80% RH</td>
<td>OFF/ON or 20-80% RH</td>
</tr>
<tr>
<td>Thermostat</td>
<td>Opens at 40°F</td>
<td>Opens at 40°F</td>
<td>Opens at 40°F</td>
</tr>
<tr>
<td>Dimensions</td>
<td>14 3/8&quot; x 6 7/8&quot; x 2&quot;</td>
<td>18&quot; x 9&quot; x 2&quot;</td>
<td>18&quot; x 9&quot; x 2&quot;</td>
</tr>
</tbody>
</table>

How to determine the number of UnderAire™ Ventilators needed:

Calculate the cubic area of the crawl space by multiplying the length x width x height. Divide this number by 15 to determine the minimum CFM necessary to fully ventilate the space in 15 minutes. Example: 20' wide x 40' long x 3' high crawl space = 2,400 cubic ft. 2400 cubic ft. / 15 minutes = 160 CFM of ventilation. Choose two V1 or V1D ventilators or one V2D ventilator.

Complete details on Tjernlund Crawl Space Ventilators are available from your Tjernlund distributor or at www.tjernlund.com

In-Forcer™ fresh air and combustion air intake fans automatically bring outdoor air into tightly sealed homes.

Duct Booster® fans boost airflow to hard-to-heat or cool rooms. Capacities from 150 to 1,200 CFM.

TJ ERNLUND PRODUCTS, INC.
1601 Ninth Street  White Bear Lake, MN 55110-6794
Phone: 651.426.2993  800.255.4208  Fax: 651.426.9547
Visit our web site: www.tjernlund.com
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