OPEN YOUR DOORS to BERNER

Berner Industrial
AIR DOORS
The Nation’s Original Air Door Manufacturer

800-245-4455  www.airdoors.com
**How a Berner Air Door Works**

Activation Devices for Air Doors

- **Plunger Style Door Switch**
- **Roller Style Door Switch**
- **Magnetic Reed**
- **Heavy Duty Magnetic Reed Switch**
- **Start/Stop Switch**
- **Hand/Off/Auto Switch**
- **Remote Selector Switch**
- **Motor Control Panel**

**Berner’s VVU Balance™**

Seal your opening with the proper Balance of Volume, Velocity and Uniformity™

**Volume** - Certified

Air Volume is the building block of performance. Adequate air volume and efficient nozzle design are necessary to achieve velocity and uniformity.

**Velocity** - Certified

Air Velocity is the working component of performance. Velocity must be capable of reaching the floor and creating a split.

**Uniformity** - Certified

Uniformity is the measurement of how consistent the velocities are across the air stream.
## Wind Resistance Chart

<table>
<thead>
<tr>
<th>Door Height (ft)</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind Stopping Capacity (MPH)</td>
<td>VSA</td>
<td>VSB</td>
<td>CFA</td>
<td>CFX (Belt Drive)</td>
<td>CFC</td>
<td>CFY (Belt Drive)</td>
<td>EWD</td>
</tr>
<tr>
<td>5</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>10</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>15</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>20</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>25</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>30</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

## RECOMMENDED MAXIMUM MOUNTING HEIGHT

<table>
<thead>
<tr>
<th>Application</th>
<th>VSA</th>
<th>VSB</th>
<th>CFA</th>
<th>CFX (Belt Drive)</th>
<th>CFC</th>
<th>CFY (Belt Drive)</th>
<th>EWD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Separation</td>
<td>12'</td>
<td>14'</td>
<td>16'</td>
<td>20'</td>
<td>30'</td>
<td>16'</td>
<td></td>
</tr>
<tr>
<td>Insect Control</td>
<td>10'</td>
<td>12'</td>
<td>14'</td>
<td>18'</td>
<td>28'</td>
<td>16'</td>
<td></td>
</tr>
<tr>
<td>Conveyor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shopping Cart</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooler Door</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Door</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping/Receiving</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Railroad/Automotive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## STANDARD LENGTH TO
(custom lengths available)

<table>
<thead>
<tr>
<th>Application</th>
<th>VSA</th>
<th>VSB</th>
<th>CFA</th>
<th>CFX (Belt Drive)</th>
<th>CFC</th>
<th>CFY (Belt Drive)</th>
<th>EWD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor</td>
<td>12'</td>
<td>12'</td>
<td>16'</td>
<td>16'</td>
<td>16'</td>
<td>16'</td>
<td>12'</td>
</tr>
<tr>
<td>Shopping Cart</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooler Door</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Service Door</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping/Receiving</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Railroad/Automotive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## HEAT OPTIONS

<table>
<thead>
<tr>
<th>Heat Option</th>
<th>VSA</th>
<th>VSB</th>
<th>CFA</th>
<th>CFX (Belt Drive)</th>
<th>CFC</th>
<th>CFY (Belt Drive)</th>
<th>EWD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unheated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steam/Hot Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indirect Gas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct Gas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This chart represents the most cost effective way to protect your opening.
MOUNTING OPTIONS

Wall Mount and Extension Brackets by Berner
Note: Anchors, Threaded Rods, Strut, etc. provided by others

Ceiling Mount
Wall Mount and Extension Brackets Combo
Wall Mount Brackets with Clear PVC Side Shields

Ceiling Mount with Extension Bracket for Operator Clearance
Wall Mount Brackets with Threaded Rod and Strut for Door Track Clearance
Vertical Mount

Wall Mount Swinging Door
Ceiling Mount with Custom Air Discharge Nozzle by Berner
Tandem Unit Mount
Recommended Mounting Height up to 12’ / 14’

VSA - 1/2 hp motor(s)
VSB - 1 hp motor(s)

FULLY ASSEMBLED UNIT
No On-Site assembly required

EASY ACCESS TO WORKING COMPONENTS
Removable top and bottom access panels

MOUNTING LENGTHS up to 12 FEET WIDE
Ideal for Shipping and Receiving doors

QUICK RETURN ON INVESTMENT
The average unheated Berner air door pays for itself in less than two years

Ideal Applications
Conveyor
Shopping Cart
Cooler Door
Service Door
Shipping/Receiving

Standard Features:
- Lengths - 36” to 144”
- Galvanized steel blower wheels and housing
- Airfoil aluminum air directional vanes
- Gray paint finish
- 16 gauge aluminized steel cabinet
- Mill aluminum inlet screen, top and bottom access panels
- Mounting holes for top or back mounting
- Unheated or heated (electric, steam, hot water or indirect gas)
- 5 year parts warranty (unheated units), 2 year (heated units)
- Crafted with Pride in the USA
CFA / CFX

Recommended Mounting Height up to 16’

CFA - Direct Drive motor(s)
CFX - Belt Drive motor(s)

Standard Features:
- Lengths - 60” to 192”
- Galvanized steel blower wheels
- Adjustable air discharge nozzle
- Gray paint finish
- Welded 14 gauge aluminized steel cabinet and split housing construction
- Unheated or heated (electric, steam, hot water, indirect or direct gas)
- 5 year parts warranty (unheated units), 2 year (heated units)
- Crafted with Pride in the USA

Ideal Applications
Shipping/Receiving
Railroad/Automotive

CFC / CFY

Recommended Mounting Height up to 20’

CFC - Direct Drive motor(s)
CFY - Belt Drive motor(s)

Standard Features:
- Lengths - 60” to 192”
- Galvanized steel blower wheels
- Adjustable air discharge nozzle
- Gray paint finish
- Welded 14 gauge aluminized steel cabinet and split housing construction
- Unheated or heated (electric, steam, hot water or indirect or direct gas)
- 5 year parts warranty (unheated units), 2 year (heated units)
- Crafted with Pride in the USA

Ideal Applications
Shipping/Receiving
Railroad/Automotive
Recommended Mounting Height up to 30’

**Standard Features:**
- Lengths - 96” to 192”
- T.E.F.C. motor (front or top mount)
- Galvanized steel blower wheels and housing
- Belt drive fans
- Gray paint finish
- Welded 14 gauge aluminized steel cabinet
- Unheated or heated (steam, hot water or direct gas)
- 5 year parts warranty (unheated units), 2 year (heated units)
- Crafted with Pride in the USA

**Ideal Applications**
- Shipping/Receiving
- Railroad/Automotive

Insect Control - Recommended Mounting Height up to 16’

**Standard Features:**
- Lengths - 42” to 144”
- 2 hp direct driven single speed motor(s)
- OSHA approved inlet guards
- Aluminized steel cabinet with gray paint finish
- Wall mounting bracket with angle adjusting rods
- Unheated
- 5 year parts warranty (unheated units)
- Crafted with Pride in the USA

**Ideal Applications**
- Shipping/Receiving
- Railroad/Automotive
Crafted with Pride in the USA
State-of-the-art manufacturing techniques

Industry Leader in air door innovation

All Berner air doors are crafted by our skilled welders, metal workers, and electrical technicians

Berner’s Complete Line of Industrial Products

Specialty Door Heaters

Custom Industrial Control Panels

Posi-Flow Fabric Air Diffusion Ducts

Strip & Swinging Doors

Saving Energy and Creating Healthy, Comfortable Environments