Model DBE-04, Drainable blade type louver, provides excellent weather protection in a 4" (102) deep frame, with good air performance and pleasing aesthetics that compliment any structure's exterior styling. Suitable for use in exhaust and low to medium velocity intake applications, the drainable blade design utilizes rain gutters that divert collected water down concealed side downspouts and out the sill. Blades are reinforced with full length integral bosses for superior strength and the design provides good air performance through its large free area as well as maximum protection against the elements. Model DBE-04 is available with channel or flanged type frame to suit most architectural and mechanical installation requirements and is AMCA Licensed.

STANDARD CONSTRUCTION:

FRAME: 4" (102) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.

BLADES: Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.

BLADE ANGLE: Fixed at 37 degrees.

BLADE SPACING: Approx. 4" (102) on centers.

BLADE SUPPORT BRACKETS: Concealed type, factory installed on rear of louver on maximum 60" (1524) centers. Reinforced with 1 1/4" x 1 1/4" (32 x 32) angle (adds approx. 1 1/4" [32] to overall louver depth).

MULLIONS: Concealed type allowing continuous line appearance up to 120" (3048) wide. Larger assemblies require separate visible frames with downspouts.

SCREEN: 3/4" x .051 (19 x 1.3) expanded, flattened aluminum bird screen.

FINISH: Mill.

MINIMUM SIZE: 12" W x 12" H (305 x 305).

MAXIMUM SINGLE SECTION SIZE: 120" W x 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. Larger louvers will require field assembly of smaller sections.

OPTIONS:
- Flanged Frame.
- Type 304 S.S. Bird Screen.
- No Bird Screen.
- Aluminum Insect Screen.
- Type 304 S.S. Insect Screen.
- Type 304 S.S. Bird Screen.
- Flanged Construction.
- Extended Sill.
- 1" (25) Filter Rack.
- 2" (51) Filter Rack.
- Perimeter Anchor Clips.
- Other: ______________ .

OPTIONAL FINISHES: (Size limitations may apply with specific finishes; contact factory)
- High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ______________ .
- Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ______________ .
- Prime Coat.
- Clear Anodized 204-R1.
- Clear Anodized 215-R1.

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):
- Exact Size.
- Undersize 3/8" (9.5).
- Undersize 1/2" (12.7).

SAFE-AIR DOWCO

EXTRUDED ALUMINUM STATIONARY LOUVER
4" (102) DEEP • DRAINABLE BLADE
MODEL: DBE-04

Safe-Air Dowco reserves the right to change any information concerning product or pricing without notice.

DBE-04 November, 2019
### Extruded Aluminum Stationary Louver

4" (102) Deep • Drainable Blade

#### PERFORMANCE DATA

MODEL: DBE-04

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**FREE AREA in Square Feet and Square Meters**

<table>
<thead>
<tr>
<th>Width in Inches and Meters</th>
<th>Height in Inches and Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>18</td>
</tr>
<tr>
<td>0.30</td>
<td>0.46</td>
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<tr>
<td>0.31</td>
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<tr>
<td>0.37</td>
<td>0.53</td>
</tr>
<tr>
<td>0.38</td>
<td>0.54</td>
</tr>
</tbody>
</table>

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**EXTRUDED ALUMINUM STATIONARY LOUVER**

Page 2 of 3

Dimensions are in inches (mm).

Safe-Air Dowco reserves the right to change any information concerning product or pricing without notice.
Safe-Air Dowco certifies the Model DBE-04 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. Seal applies to air performance ratings and water penetration ratings.

To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the point of beginning water penetration.

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### AIRFLOW/WATER PENETRATION DATA for 48" x 48" (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>52%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>8.26 (0.77)</td>
</tr>
<tr>
<td>Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)</td>
<td>906 fpm (276 m/min.)</td>
</tr>
<tr>
<td>Air Volume at 906 fpm Free Area Velocity</td>
<td>7484 cfm (3532 l/s)</td>
</tr>
<tr>
<td>Pressure Drop @ 906 fpm</td>
<td>.15 in. w.g. (37 Pa)</td>
</tr>
</tbody>
</table>

**NOTE:**

To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the point of beginning water penetration.

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### PRESSURE DROP

**Air Velocity in Feet (Meters) Per Minute Through Free Area**

Louver test size: 48" x 48" (1219 x 1219 mm).

Standard air density @ 0.075 lbs/ft³.

Tested to AMCA Fig. 5.5 – 6.5.

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