TDC • Square, Rectangular, or Round Neck

Square and Rectangular Ceiling Diffusers
Steel • Louvered Face • High Capacity

- Border Type 1 (Surface Mount) Square or Rectangular Neck
- Border Type 2 (Snap-In)
- Border Type 3 (Lay-In)
- Border Type 4 (Spline)

Dimensions are in inches.

*Note: For Dimensions “A” see table on next page.
Border Types, Dimensions (Continued)

- Border Type 5 (Dropped Face)
- Border Type 6 (Beveled Drop Face)

*Note: Dimension A refers to either square/rectangle or round neck diffusers. See drawings below.

Available Duct Sizes, Square and Rectangular Necks

<table>
<thead>
<tr>
<th>Border Types 1, 5, 6</th>
<th>Border Types 2, 3, 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Duct Size A</td>
<td>Maximum Duct Size A</td>
</tr>
<tr>
<td>6 x 6</td>
<td>48 x 48</td>
</tr>
<tr>
<td>12 x 12</td>
<td>6 x 6</td>
</tr>
<tr>
<td>24 x 24</td>
<td>9 x 9</td>
</tr>
</tbody>
</table>

Note: Duct sizes are available in 3" increments only. Maximum duct size for border 5 is 36 x 36.

Available Duct Sizes, Round Necks

<table>
<thead>
<tr>
<th>Border Types 1, 5, 6</th>
<th>Border Types 2, 3, 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Duct Size A</td>
<td>Maximum Duct Size A</td>
</tr>
<tr>
<td>6 x 6</td>
<td>9 x 9</td>
</tr>
<tr>
<td>12 x 12</td>
<td>15 x 15</td>
</tr>
<tr>
<td>18 x 18</td>
<td>6 x 6</td>
</tr>
<tr>
<td>9 x 9</td>
<td>12 x 12</td>
</tr>
<tr>
<td>15 x 18</td>
<td>6, 8, 10, 12, 14</td>
</tr>
<tr>
<td>16</td>
<td>6, 8, 10, 12, 14, 16</td>
</tr>
</tbody>
</table>

Note: Round duct sizes are available only in sizes shown.

Accessories (Optional) Rectangular Neck

Check ✓ if provided.

- Model AG-35B Opposed Blade Damper
- Model EG Equalizing Grid

- Model AG-95 Opposed Blade Damper with Slot Operator
- Model EG Equalizing Grid

All dimensions are in inches.
## Accessories (Optional) for Round Neck

- **Model AG-100 Radial Sliding Blade Damper**
- **Model EG Equalizing Grid**

![Model AG-100 Damper](image1)

Model AG-100 damper is available in duct sizes 6 thru 14 inches only.

- **Model D-100 Radial Sliding Blade Damper**
- **Model EG Equalizing Grid**

![Model D-100 Damper](image2)

Model D-100 damper is available in duct sizes 6 thru 14 inches only.

- **Model D-75 Opposed Blade Damper**
- **Model EG Equalizing Grid**

![Model D-75 Damper](image3)

Model D-75 damper is available in duct sizes 6 thru 12 inches only.

- **Model AG-85 Butterfly Damper**
- **Model EG Equalizing Grid**

![Model AG-85 Damper](image4)

- **Model AG-75 Opposed Blade Damper**
- **Model EG Equalizing Grid**

![Model AG-75 Damper](image5)

Notes:
- Model AG-100 and D-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance “A” is dimensioned.
- *Damper operators on all round neck dampers are screwdriver type. Remove diffuser core for access.*
Other Accessories (Optional)

Check ☑ if provided.

☐ Model TRV Throw Reducing Vanes

☐ Model SR Square-to-Round Transition

☐ IB Molded Insulation Backpan

---

**Optional Patterns**

<table>
<thead>
<tr>
<th>1 Way</th>
<th>2 Way</th>
<th>3 Way</th>
<th>4 Way</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ S1 Square</td>
<td>☐ A2</td>
<td>☐ A3</td>
<td>☐ A4 Square</td>
</tr>
<tr>
<td>☐ A1</td>
<td>☐ S2 Square</td>
<td>☐ E2</td>
<td>☐ B4</td>
</tr>
<tr>
<td>☐ B1</td>
<td>☐ E3</td>
<td>☐ B2</td>
<td></td>
</tr>
</tbody>
</table>

*Check ☑ if provided.*

---

**Removing Center Core**

1. Remove shipping clips.
2. Push core sideways against spring.
3. Hold core securely and allow to drop down.

---

**General Description**

- TITUS Model TDC is a high capacity ceiling diffuser. Because it maintains an unbroken horizontal flow pattern from maximum cfm down to minimum, it is an excellent choice for variable air volume application.
- Core is removable from the face of the diffuser.
- Lever operator on optional Model AG-95 damper allows easy volume adjustment from the face of the diffuser. (Rectangular necks only).
- Material is heavy gauge steel.
- Model TDC is extremely flexible, with cores available for 1, 2, 3 or 4-way horizontal flow patterns.
- Optional molded insulation blanket (IB) with R-6 rating available for use with border styles 3, 24x24 module, and maximum neck size of 15"x15".

---

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.