LFD LAMINAR FLOW DIFFUSER

Optional Damper (open position shown)
Optional External Insulation
Hanger Brackets
Plug Only Included with Optional Face Adjustable Damper
T-bar (not included)
See: Unitee CR or HDR

Surface Mount Details
Surface Mount
Actual Opening = Nominal Size - 1/4" [6]

Steel Channel
Blocking & Fastening
By Others. Use Shims to Center Diffuser in Opening Against Blocking.

Nominal Sizes

<table>
<thead>
<tr>
<th>Imperial</th>
<th>Hard Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Sizes</td>
<td>W x L</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x24</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x36</td>
</tr>
<tr>
<td>6, 8</td>
<td>12x48</td>
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<tr>
<td>6, 8</td>
<td>12x60</td>
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<tr>
<td>6, 8</td>
<td>12x72</td>
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<tr>
<td>6, 8, 10, 12</td>
<td>24x24</td>
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Standard Construction:
- Spot Welded Corner Seams
- Stainless Steel Quick Release [1/4" Turn] Fasteners
- Dual Chamber Design - Engineered Equalization Baffle
- Stainless Steel Retainer Cables Two Per Unit

Plenum Material:
- Aluminum
- Stainless Steel - 304
- Steel

Plenum Finish:
- White Powder Coat - B12
- Stainless Steel - 2B

Options:
- Continuously Welded Plenum, Spot Welded Inlet (not available with steel plenum)
- 0.5" Thick Aluminum Foil-Backed Fiberglass External Insulation
- Butterfly Damper - White Powder Coated Steel Blades
- Butterfly Damper - Stainless Steel Blades
- Face Adjustable Butterfly Damper - White Powder Coated Steel Blades
- Face Adjustable Butterfly Damper - Stainless Steel Blades

Notes:
- Factory Tolerance: +/-1/32(1)

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.

Project: LFD Laminar Flow Diffuser

Engineer: DK
Customer: LFD
Submittal Date: 266866
Spec. Symbol: 266866
Submittal Date: 2017/10/24

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LFD3 LAMINAR FLOW DIFFUSER

NOMINAL SIZES

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<th>METRIC</th>
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<tr>
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<td></td>
</tr>
<tr>
<td>6</td>
<td>24 x 12</td>
<td>600 x 300</td>
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<tr>
<td>6</td>
<td>48 x 12</td>
<td>1200 x 300</td>
</tr>
<tr>
<td>6,8,10</td>
<td>24 x 24</td>
<td>600 x 600</td>
</tr>
<tr>
<td>8,10,12</td>
<td>48 x 24</td>
<td>1200 x 600</td>
</tr>
</tbody>
</table>

STANDARD CONSTRUCTION:
- CONTINUOUSLY WELDED CORNERS
- QUICK RELEASE [1/4 TURN] FASTENERS - STAINLESS STEEL
- CONE DAMPER
- REMOVABLE BAFFLE PACK
- TWO STAINLESS STEEL RETAINER CABLES PER UNIT

OPTIONS:
- AFI-0.5: 0.5" THICK ALUMINUM FOIL - BACKED INSULATION
- FAP - DAMPER FACE ACCESS PLUG

NOTES:
- FACTORY TOLERANCE +/- 1/32" [1]