SCD, ASCD SQUARE CONE DIFFUSER

CM = CEILING MODULE

CEILING OPENING: SEE SCHEDULE

D = NOM. DUCT

O.D. = D - 1/8" (3)

* OPTIONAL 4th CONE
24x24 & 600x600 UNITS ONLY

**1 5/16" (33)**

**IMPERIAL UNITS (inches)**

<table>
<thead>
<tr>
<th>CM</th>
<th>CEILING OPENING</th>
<th>B</th>
<th>C</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>22x22</td>
<td>21/2</td>
<td>11/16</td>
<td>6,8,10,12,14,15</td>
</tr>
<tr>
<td>20x20</td>
<td>18x18</td>
<td>21/2</td>
<td>1/2</td>
<td>6,8,10</td>
</tr>
<tr>
<td>12x12</td>
<td>101/2x101/2</td>
<td>11/8</td>
<td>11/16</td>
<td>4,5,6,7,8</td>
</tr>
</tbody>
</table>

**SI UNITS (mm)**

<table>
<thead>
<tr>
<th>CM</th>
<th>CEILING OPENING</th>
<th>B</th>
<th>C</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>600x600</td>
<td>549x549</td>
<td>64</td>
<td>27</td>
<td>152,203,254,305,356,381</td>
</tr>
<tr>
<td>500x500</td>
<td>449x449</td>
<td>64</td>
<td>13</td>
<td>152,203,254</td>
</tr>
<tr>
<td>300x300</td>
<td>249x249</td>
<td>29</td>
<td>27</td>
<td>102,127,152,178,203</td>
</tr>
</tbody>
</table>

**MATERIAL:**
- SCD = STEEL CONSTRUCTION
- ASCD = ALUMINUM CONSTRUCTION
  (STYLES 31 & 17 ONLY)

**OPTION:**
- AFI = 1/8" FIBERGLASS WITH FOIL/SCRIM VAPOR BARRIER INSULATED BACKPAN (31 T-BAR, 20x20 & 500x500 ONLY)
- R6 = MOLDED INSULATED BACKPAN (31 T-BAR, 12x12, 300x300, 24x24 & 600x600 OR 4TS CLIP ON RECESSED SPLINE 24x24)
- BN = BEADED INLET NECK, WITH EXTENDED DEPTH 21/2" (64)
  (AVAILABLE ON SCD ONLY)

**FINISH:**
- B12 WHITE

**OPTIONAL FINISHES AVAILABLE**

**NOTE:**
- 20x20 & 500x500 AVAILABLE IN STYLE 31 ONLY.
- 20x20 & 500x500 AVAILABLE IN STYLE 31 ONLY.
- 20x20 & 500x500 AVAILABLE IN STYLE 31 ONLY.
- 20x20 & 500x500 AVAILABLE IN STYLE 31 ONLY.
- 20x20 & 500x500 AVAILABLE IN STYLE 31 ONLY.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

2014/12/19
**SCD/P PANEL MOUNTED DIFFUSER**

**CM = CEILING MODULE**
**PANEL = CM - 1/4" (6)**
**D = NOM. DUCT**
**O.D. = D - 1/8" (3)**
**MIN. 1" (25)**

**DIFFUSER SIZE**
- **24x24 & 600x600 ONLY**
- **OPTIONAL 4th CONE**
- **48x24**
- **30x30**

**PLAN VIEW**

<table>
<thead>
<tr>
<th>DIFFUSER SIZE</th>
<th>IMPERIAL</th>
<th>SI (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>48x24</td>
<td>1200x600</td>
</tr>
<tr>
<td>12x12</td>
<td>24x12</td>
<td>600x300</td>
</tr>
<tr>
<td>16x16, 24x24</td>
<td>24x12</td>
<td>600x300</td>
</tr>
<tr>
<td>20x20</td>
<td>24x12</td>
<td>600x300</td>
</tr>
<tr>
<td>30x30</td>
<td>30x30</td>
<td>750x750</td>
</tr>
</tbody>
</table>

**DIFFUSER SIZE**
- **B**
- **C**
- **DUCT SIZE**

<table>
<thead>
<tr>
<th>DIFFUSER SIZE</th>
<th>B</th>
<th>C</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>2½</td>
<td>1½</td>
<td>6.8, 10, 12, 14, 15</td>
</tr>
<tr>
<td>600x600</td>
<td>64</td>
<td>27</td>
<td>(152, 203, 254, 305, 356, 381)</td>
</tr>
<tr>
<td>12x12</td>
<td>1½</td>
<td>1½</td>
<td>4.5, 6, 7, 8</td>
</tr>
<tr>
<td>300x300</td>
<td>29</td>
<td>27</td>
<td>(102, 127, 152, 178, 203)</td>
</tr>
</tbody>
</table>

**MATERIAL:**
- SCD/P = STEEL CONSTRUCTION

**FINISH:**
- B12 WHITE
- (OPTIONAL FINISHES AVAILABLE)

**OPTION:**
- BN = BEADED INLET NECK, WITH EXTENDED DEPTH 2½" (64)
- FIXED CORE (FC) IS AVAILABLE ONLY FOR 24" x 24", STYLE 17 AND 31
  FOR SURFACE MOUNT INSTALLATION USE OF PLASTER FRAME IS RECOMMENDED.
- REMOVABLE CORE (RC) IS AVAILABLE FOR ALL SIZE AND STYLE

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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REV J
SCDA, ASCDA ADJUSTABLE SQUARE CONE DIFFUSER

CM = CEILING MODULE OR OPENING

D = NOM. DUCT
O.D. = D - 1/8" (3)
MIN. 1" (25)

PATTERN CONTROLLER
SECONDARY PATTERN CONTROLLER
OPTIONAL 4th CONE 24x24 & 600x600 ONLY

1 1/4" (32)

1/4" (6)

IMPERIAL UNITS (Inches)

<table>
<thead>
<tr>
<th>CM</th>
<th>B (MAX)</th>
<th>C (MAX)</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>3 3/4</td>
<td>1/8</td>
<td>6,8,10,12,14,15*</td>
</tr>
<tr>
<td>20x20</td>
<td>2 3/4</td>
<td>-</td>
<td>6,8,10,10*</td>
</tr>
<tr>
<td>12x12</td>
<td>1 3/4</td>
<td>3/8</td>
<td>4,5,6,7,8*</td>
</tr>
</tbody>
</table>

SI UNITS (mm)

<table>
<thead>
<tr>
<th>CM</th>
<th>B (MAX)</th>
<th>C (MAX)</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>600x600</td>
<td>95</td>
<td>3</td>
<td>152,203,254,305,356,381*</td>
</tr>
<tr>
<td>500x500</td>
<td>73</td>
<td>-</td>
<td>152,203,254*</td>
</tr>
<tr>
<td>300x300</td>
<td>44</td>
<td>16</td>
<td>102,127,152,178,203*</td>
</tr>
</tbody>
</table>

NOTE: * SECONDARY PATTERN CONTROLLERS WILL BE SUPPLIED ON UNITS INDICATED WITH (*)
* B & C DIMENSIONS VARY DEPENDING ON NECK SIZE

MATERIAL:
- SCDA – STEEL CONSTRUCTION
- ASCDA – ALUMINUM CONSTRUCTION
  (STYLE 1 & 3 ONLY)

FINISH:
- B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

OPTIONS:
- BN – BEADED INLET NECK WITH EXTENDED DEPTH 2 1/2" (64)
  (AVAILABLE ON SCDA ONLY)
- FIXED CORE (FC) IS AVAILABLE ONLY FOR 24"x24" (600x600), STYLES 3 AND 17.
  FOR SURFACE MOUNT INSTALLATION USE OF PLASTER FRAME IS RECOMMENDED.
- REMOVABLE CORE (RC) IS AVAILABLE FOR ALL SIZES AND STYLES.
- MRI – ALUMINUM CONSTRUCTION FOR MRI APPLICATIONS. AVAILABLE FOR ASCDA 24x24 & 600x600, STYLES 1 & 3 ONLY, AND 3-CONE ONLY. NOT AVAILABLE W/ DAMPER.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 216779

SPEC. SYMBOL: 2015/06/23

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SCDA, ASCDA ADJUSTABLE SQUARE CONE DIFFUSER

FRAMES: FOR CM 12x12, 24x24, 300x300 & 600x600

- [ ] 1 SURFACE MOUNT
- [ ] 2 SNAP-IN
- [ ] 4 SPLINE
- [ ] 17 NARROW MEMBER
- [ ] 17 TEGULAR 9/16" T-BAR

FRAMES: FOR CM 20x20 & 500x500
- [ ] 1 SURFACE MOUNT
- [ ] 3 T-BAR A = 1"(25) or 9/16"(14)

FRAMES: FOR CM 24x24, 500x500 & 600x600
- [ ] 3 T-BAR A = 1"(25) or 9/16"(14)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2015/06/23

SPEC. SYMBOL: 218779

© Copyright PRICE INDUSTRIES 2016
SCDA/P PANEL MOUNTED ADJUSTABLE DIFFUSER

**CM = CEILING MODULE**

**PANEL = CM - 1/4"(6)**

**D = NOM. DUCT**

**O.D. = D - 1/8"(3)**

**MIN. 1"(25)**

**3/8"(10) MAX**

**DIFFUSER SIZE**

**PLAN VIEW**

<table>
<thead>
<tr>
<th>DIFFUSER SIZE</th>
<th>IMPERIAL</th>
<th>SI (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>48x24</td>
<td>1200x600</td>
</tr>
<tr>
<td>12x12</td>
<td>24x12</td>
<td>600x300</td>
</tr>
<tr>
<td></td>
<td>30x30</td>
<td>750x750</td>
</tr>
<tr>
<td></td>
<td>20x20</td>
<td>500x500</td>
</tr>
<tr>
<td></td>
<td>24x24</td>
<td>600x600</td>
</tr>
</tbody>
</table>

**DIFFUSER SIZE**

<table>
<thead>
<tr>
<th>DIFFUSER SIZE</th>
<th>B(MAX)</th>
<th>C(MAX)</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>24x24</td>
<td>4 (102)</td>
<td>7/8 (3)</td>
<td>6,8,10,12,14,15,19 (152,203,254,305,356,381)</td>
</tr>
<tr>
<td>12x12</td>
<td>2 (51)</td>
<td>7/8 (15)</td>
<td>4,5,6,7,8,10 (102,127,152,178,203)</td>
</tr>
</tbody>
</table>

**MATERIAL:**

- SCDA/P - STEEL CONSTRUCTION

**FINISH:**

- B12 WHITE (OPTIONAL FINISHES AVAILABLE)

**OPTION:**

- BN - BEADED INLET NECK, WITH EXTENDED DEPTH 2 1/2"(64)
- FIXED Core (FC) IS AVAILABLE ONLY FOR 24" X 24", STYLE 17 AND 31 FOR SURFACE MOUNT INSTALLATION USE OF PLASTER FRAME IS RECOMMENDED.
- REMOVABLE Core (RC) IS AVAILABLE FOR ALL SIZE AND STYLE

**NOTE:**

- SECONDARY PATTERN CONTROLLERS WILL BE SUPPLIED ON UNITS INDICATED WITH (*)
- B & C DIMENSIONS VARY DEPENDING ON NECK SIZE

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:** 2014/12/19

**SPEC. SYMBOL:**
SCDAS - ALUMINIZED STEEL SQUARE CONE DIFFUSER

CM = CEILING MODULE

CEILING OPENING: SEE SCHEDULE

D = NOM. DUCT

O.D. = D - 1/8" (3)

* OPTIONAL 4TH CONE
24x24 & 600x600 UNITS ONLY

1 5/16" (33)

**IMPERIAL UNITS (Inches)**

<table>
<thead>
<tr>
<th>CM</th>
<th>CEILING OPENING</th>
<th>B</th>
<th>C</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12x12</td>
<td>10 1/2 x 10 1/2</td>
<td>1 1/8</td>
<td>1 1/8</td>
<td>4, 5, 6, 7, 8</td>
</tr>
<tr>
<td>24x24</td>
<td>22x22</td>
<td>2 1/2</td>
<td>1 1/8</td>
<td>6, 8, 10, 12, 14, 15</td>
</tr>
</tbody>
</table>

**SI UNITS (mm)**

<table>
<thead>
<tr>
<th>CM</th>
<th>CEILING OPENING</th>
<th>B</th>
<th>C</th>
<th>DUCT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>300x300</td>
<td>249x249</td>
<td>29</td>
<td>27</td>
<td>102, 127, 152, 178, 203</td>
</tr>
<tr>
<td>600x600</td>
<td>549x549</td>
<td>64</td>
<td>27</td>
<td>152, 203, 254, 305, 356, 381</td>
</tr>
</tbody>
</table>

**MATERIAL:**
- ALUMINIZED STEEL CONSTRUCTION
- 12"x12" (300x300) SUPPLIED AS ALUMINUM CONSTRUCTION
- OPTIONAL 4TH CONE IS ALUMINUM

**FINISH:**
- B12 WHITE
  (OPTIONAL FINISHES AVAILABLE)

**OPTION:**
- R6 - MOLDED INSULATED BACKPAN (T-BAR ONLY)
- FIXED CORE (FC) IS AVAILABLE ONLY FOR 24"x24" (600x600), STYLE 31.
  FOR SURFACE MOUNT INSTALLATION USE OF PLASTER FRAME IS RECOMMENDED.
- REMOVABLE CORE (RC) IS AVAILABLE FOR ALL SIZES AND STYLES.

**FRAMES:**

- **31 T-BAR**  A = 1" (25) or 9/16" (14)
- **31 SURFACE MOUNT**

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**  2015/04/17

**SPEC. SYMBOL:**  2015/04/17

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SHEET 1 OF 1  REV F