LBPH - LINEAR BAR GRILLES (PRESSED CORE)

CORE STYLES

<table>
<thead>
<tr>
<th>1/4&quot; SPACING</th>
<th>1/2&quot; SPACING</th>
<th>7/16&quot; SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 15A 3/32&quot;(2) BARS</td>
<td>□ 15B 3/32&quot;(2) BARS</td>
<td>□ 25B 3/16&quot;(5) BARS</td>
</tr>
<tr>
<td>□ 16A 1/8&quot;(3) BARS</td>
<td>□ 16B 1/8&quot;(3) BARS</td>
<td>□ 26B 3/16&quot;(6) BARS</td>
</tr>
<tr>
<td>□ 27B 3/16&quot;(5) BARS</td>
<td>□ 27C 3/16&quot;(6) BARS</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:
- EXTRUDED ALUMINUM CONSTRUCTION.
- B12 WHITE (STANDARD) (OPTIONAL FINISHES AVAILABLE)
- BARS ARE FIXED AND PARALLEL TO LONG DIMENSION.
- MAXIMUM LENGTH ONE PIECE CONSTRUCTION = 72" (1829).
- 1 1/2" (38) MINIMUM WIDTH FOR FRAMES 750, 1000, 1000S, 1250 & CORE ONLY.
- 2" (51) MINIMUM WIDTH FOR FRAMES 125, 187 & CPF.
- SECTIONS CAN BE JOINED FOR CONTINUOUS APPEARANCE.
- SCREW MOUNTING HOLES PER FACTORY STANDARD.
- FACTORY TOLERANCE: ± 1/32" (1) PER GRILLE SECTION.
- UNITS WIDER THAN 12" (305) ARE NOT RECOMMENDED FOR FLOOR APPLICATIONS. IF USED, ADDITIONAL STRUCTURAL SUPPORT MUST BE DESIGNED, SUPPLIED AND INSTALLED BY OTHERS.
- UNITS WIDER THAN 24" (610) ARE SUPPLIED IN MULTIPLE SECTIONS WITH MOUNTING CHANNEL(S).
- REMOVABLE CORE.
- CORE STYLES 15B, 16B, 25B, 26B, AND 27B NOT FOR FLOOR APPLICATIONS.
- CORE ONLY REQUIRES ADDITIONAL SUPPORT BY OTHERS.

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

PROJECT:

ENGINEER: [Signature]

CUSTOMER: [Signature]

SUBMITTAL DATE: 2016/12/14

SPEC. SYMBOL: 210582

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### END CONDITION

- **X - X END CONDITION**
  - Mitred both ends
  - Stack width: D - 1/4" (3)
  - D = Nom. Duct
  - Weld build-up: Max. 1/16" (2) at corners

- **X - Y END CONDITION**
  - One mitred
  - One open end
  - Stack width: D - 1/8" (2)
  - D = Nom. Duct
  - Weld build-up: Max. 1/16" (2) at corners

- **Y - Y END CONDITION**
  - Open ends for splicing
  - D = Nom. Duct

### BORDER OPTIONS

- □ 125
- □ 187
- □ 1000S
- □ 1250
- □ 1000
- □ 750
- □ CPF
- □ Core Only

### BORDER STYLE

<table>
<thead>
<tr>
<th>BORDER STYLE</th>
<th>BORDER WIDTH (A)</th>
<th>OVERALL (O.A.)</th>
<th>OVERALL (O.A.)</th>
<th>OVERALL (O.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>X - X</td>
<td>X - Y</td>
<td>Y - Y</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ 1250</td>
<td>1 1/4&quot; (32)</td>
<td>D + 2&quot; (54)</td>
<td>D + 1 1/2&quot; (27)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ 1000S</td>
<td>1&quot; (25)</td>
<td>D + 1 1/2&quot; (41)</td>
<td>D + 1 1/2&quot; (21)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ 1000</td>
<td>1&quot; (25)</td>
<td>D + 1 1/2&quot; (41)</td>
<td>D + 1 1/2&quot; (21)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ 750</td>
<td>3/4&quot; (19)</td>
<td>D + 1 1/2&quot; (29)</td>
<td>D + 1 1/2&quot; (21)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ 123</td>
<td>5/8&quot; (3)</td>
<td>D - 3/8&quot; (3)</td>
<td>D - 1/2&quot; (2)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ 187</td>
<td>3/16&quot; (5)</td>
<td>D - 3/8&quot; (3)</td>
<td>D - 1/2&quot; (2)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ CPF</td>
<td>1 1/4&quot; (32)</td>
<td>D + 2&quot; (51)</td>
<td>D + 1&quot; (25)</td>
<td>NOM DUCT</td>
</tr>
<tr>
<td>□ Core Only</td>
<td>N/A</td>
<td>NOM DUCT</td>
<td>NOM DUCT</td>
<td>NOM DUCT</td>
</tr>
</tbody>
</table>

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

### PROJECT:

- **ENGINEER:**
- **CUSTOMER:**
- **SUBMITTAL DATE:** 210582 2016/12/14
- **SPEC. SYMBOL:** 2016/12/14

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Sheet 2 of 3 Rev 2
**FASTENING**

- **A - COUNTERSUNK SCREW**
  - For ceiling, wall & sill applications available with borders 1000, 1250 & CPF

- **H - STRAIGHT HOLES**
  - Available on 750 frame.

- **C - CONCEALED MTG BRKT**
  - For ceiling, sidewall, floor or sill applications. With core styles 15A, 16A, 26C, or 27C remove core for access to concealed bracket.
  - Maximum width - floor 12" (305) or sill 18" (457)

- **B - SPRING CLIP**
  - For sill applications only, not to be used for ceiling or wall installation.
  - Not available for 125, 187 & CPF border styles.

- **MP-DR**
  - REVERSIBLE MOUNTING BRACKET
  - 8" or 9" DRYWALL
  - For drywall application. Available only with CPF borders

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**ACCESSORIES**

- **DOS - BLANK OFF SECTIONS**
  - Inactive section c/w blank off strips

- **DV1 - DIRECTIONAL VANES**
  - Directional vanes spaced 1" (25) o/c.
  - Min. Nom. width 2" (51)
  - Max. Nom. width 12" (305)

- **VCS2**

- **VCS3**
  - VCS3 opposed blade damper
  - Min. Damper Width = 2½" (64)
  - Min. Width = 3" (76) for 125, 187 & CPF frames

- **DV/VCS3**
  - DV directional vanes and VCS3 opposed blade damper
  - Min. Damper Width = 2½" (64)
  - Min. Width = 3" (76) for 125, 187 & CPF frames

VCS2 flap damper screw driver operator on 3" (76) through 6" (203) nom. widths. Friction hinge on 1½" (38) through 2½" (64) nom. widths.

---

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**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

2016/12/14

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LBPH

HEAVY DUTY
LINEAR BAR GRILLES
PRESSED CORE

216582

SHEET 3 OF 3 REV 2
MC90, MC135, MCSI and MCSO Mitred Corners for LBPH

- **MC90** - 90° Mitred Corner
  - Overall = A + B
  - Nom. Duct Length = A

- **MC135** - 135° Mitred Corner
  - Overall = A + C
  - Nom. Duct Length = A

**Air Flow Pattern (135° Shown)**

- Inside
- Outside

**Frame Type**

<table>
<thead>
<tr>
<th>Frame Type</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPF</td>
<td>1&quot;  (25)</td>
<td>1¾&quot; (13)</td>
</tr>
<tr>
<td>1250</td>
<td>1½&quot; (27)</td>
<td>9½&quot; (14)</td>
</tr>
<tr>
<td>1000, 1000S</td>
<td>1¾&quot; (21)</td>
<td>¾&quot; (11)</td>
</tr>
<tr>
<td>750</td>
<td>¾&quot; (14)</td>
<td>¾&quot; (8)</td>
</tr>
<tr>
<td>187</td>
<td>−1½&quot; (2)</td>
<td>−¾&quot; (1)</td>
</tr>
<tr>
<td>125</td>
<td>−1¾&quot; (2)</td>
<td>−¾&quot; (1)</td>
</tr>
</tbody>
</table>

- **MCSI** - Mitred Corner Sidewall Inside
  - D = Nom. Duct Size
  - Larger than 8"(203) to 14" (356) 18" (457)
  - Equal to or less than 8" (203) 12" (305)

- **MCSO** - Mitred Corner Sidewall Outside

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**Project:**

**Engineer:**

**Customer:**

**Submittal Date:** 2016/07/06

**Spec. Symbol:**

**Price Industries 2016**
MC90, MC135, MCSI AND MCSO MITRED CORNERS FOR LBPH

BORDER OPTIONS

<table>
<thead>
<tr>
<th>BORDER STYLE</th>
<th>BORDER WIDTH (H)</th>
<th>OVERALL (O.A.)</th>
</tr>
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<tbody>
<tr>
<td>1200</td>
<td>1 1/4&quot;(32)</td>
<td>D + 2 1/2&quot;(54)</td>
</tr>
<tr>
<td>1300</td>
<td>1 1/2&quot;(32)</td>
<td>D + 2 1/2&quot;(54)</td>
</tr>
<tr>
<td>1000S</td>
<td>1 1/2&quot;(32)</td>
<td>D + 1 1/2&quot;(54)</td>
</tr>
<tr>
<td>750</td>
<td>1 1/4&quot;(32)</td>
<td>D + 1 1/2&quot;(54)</td>
</tr>
<tr>
<td>CPF</td>
<td>1 1/4&quot;(32)</td>
<td>D + 2 1/2&quot;(54)</td>
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FOR CPF FRAME ONLY

- Concealed plaster frame (mill finish frame)

Tape & plaster to finish (by others)

CORE STYLES

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</tr>
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NOTES:
- For flat mitre with 16A, 16B, 26B, 26C, 27B and 27C flow deflection must be specified.
- Factory tolerance ± 1/32" ± 1mm
- Angular tolerance ± 2°

FINISH:
□ B12 white (optional finishes available)

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

PROJECT: [Blank]

ENGINEER: [Signature]

CUSTOMER: [Blank]

SUBMITTAL DATE: 2016/07/06

SPEC. SYMBOL: MC-LBPH

MITRED CORNER LINEAR GRILLES FOR LBPH

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