QAF1245
12" ACOUSTIC AIRFOIL LOUVER

SECTION SIDE VIEW

STANDARD CONSTRUCTION:
- BLADES AND FRAME: 12 GA FORMED ALUMINUM
- PERFORATED LINER: 18 GA FORMED ALUMINUM
- INSULATION: 2" THICK FIBER GLASS BLANKET

OPTIONAL MATERIALS:
- 16 GA WIPE COAT (GALVANNEAL) WITH 22 GA GALVANIZED PERFORATED LINER
- 16 GA 304-2B SS WITH 22 GA SS PERFORATED LINER
- 16 GA 316-#4 SS WITH 22 GA SS PERFORATED LINER

MINIMUM SECTION SIZE:
- 12" (305) WIDE X 19.500" (495) HIGH

SMALLER SIZES AVAILABLE UPON REQUEST & REQUIRE APPROVAL OF DETAILED SUBMITTAL

MAXIMUM SECTION SIZE:
- 72" (1829) WIDE X 96" (2438) HIGH
MULTIPLE SECTIONING IN HEIGHT WILL HAVE A CONTINUOUS VERTICAL APPEARANCE

*MAXIMUM SECTION SIZE MAY VARY FOR ANODIZED FINISH

STANDARD FINISH:
- LOUVERS: MILL FINISH (ALUM. & SS)
- PERFORATED LINER: MILL FINISH (ONLY)

OPTIONAL LOUVER FINISHES:
- PRIME COAT
- BAKED ENAMEL
- DURANAR
- DURANAR XL
- CLEAR ANODIZED (ALUM. ONLY)
- COLOUR ANODIZED (ALUM. ONLY)

AVAILABLE OPTIONS:
- EXTENDED SILL (LOOSE)
- BIRD SCREEN
- INSECT SCREEN
- BLANK OFF PANEL

* SEE LOUVER SCHEDULE FOR DEFAULT LIST OF OPTIONS

ACOUSTIC PERFORMANCE

OCTAVE BAND CENTER FREQUENCIES

<table>
<thead>
<tr>
<th>ATTENUATION TYPE</th>
<th>63Hz</th>
<th>125Hz</th>
<th>250Hz</th>
<th>500Hz</th>
<th>1000Hz</th>
<th>2000Hz</th>
<th>4000Hz</th>
<th>8000Hz</th>
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</thead>
<tbody>
<tr>
<td>FREE-FIELD NOISE REDUCTION (dB)</td>
<td>12</td>
<td>13</td>
<td>15</td>
<td>20</td>
<td>21</td>
<td>18</td>
<td>14</td>
<td>14</td>
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<tr>
<td>TRANSMISSION LOSS (dB)</td>
<td>6</td>
<td>7</td>
<td>9</td>
<td>14</td>
<td>15</td>
<td>12</td>
<td>8</td>
<td>8</td>
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</tbody>
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NOTES: DATA OBTAINED IN ACCORDANCE WITH ASTM E90 TEST STANDARD FOR TRANSMISSION LOSS. 63Hz AND 8000Hz OCTAVE BANDS ARE ESTIMATED VALUES DERIVED FROM TEST DATA.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

ECN: 141361
REV B

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QAF845
8" ACOUSTIC AIRFOIL LOUVER

STANDARD CONSTRUCTION:
- BLADES AND FRAME: 12 GA FORMED ALUMINUM
- PERFORATED LINER: 16 GA FORMED ALUMINUM
- INSULATION: 2" THICK FIBER GLASS BLANKET

OPTIONAL MATERIALS:
- 16 GA WIPE COAT (GALVANNEAL)
  WITH 22 GA GALVANIZED PERFORATED LINER
- 16 GA 304-2B SS WITH 22 GA SS PERFORATED LINER
- 16 GA 316-#4 SS WITH 22 GA SS PERFORATED LINER

MINIMUM SECTION SIZE:
- 12" (305) WIDE X 15.500" (394) HIGH
  SMALLER SIZES AVAILABLE UPON REQUEST &
  REQUIRE APPROVAL OF DETAILED SUBMITTAL

MAXIMUM SECTION SIZE:
- 72" (1829) WIDE X 96" (2438) HIGH
  MULTIPLE SECTIONING IN HEIGHT WILL HAVE A
  CONTINUOUS VERTICAL APPEARANCE
  MAXIMUM SECTION SIZE MAY VARY FOR ANODIZED FINISH

STANDARD FINISH:
- LOUVERS: MILL FINISH (ALUM. & SS)
  PRIME COAT (WIPE COAT)
- PERFORATED LINER: MILL FINISH
  (ONLY)

OPTIONAL LOUVER FINISHES:
- PRIME COAT
- BAKED ENAMEL
- DURANAR
- DURANAR XL
- CLEAR ANODIZED (ALUM. ONLY)
- COLOUR ANODIZED (ALUM. ONLY)

AVAILABLE OPTIONS:
- EXTENDED SILL (LOOSE)
- BIRD SCREEN
- INSECT SCREEN
- BLANK OFF PANEL
*SEE LOUVER SCHEDULE FOR DEFAULT LIST OF OPTIONS

ACOUSTIC PERFORMANCE

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<td>ATTENUATION TYPE</td>
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<td>11</td>
<td>13</td>
<td>16</td>
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<td>10</td>
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NOTES: DATA OBTAINED IN ACCORDANCE WITH ASTM E90 TEST STANDARD FOR TRANSMISSION LOSS.
63Hz AND 8000Hz OCTAVE BANDS ARE ESTIMATE VALUES FROM TEST DATA.