COMPACT REFLEX CABINET 12" FULL RANGE DRIVERS

APPLICATIONS
Used for Disco, Vocal P.A. or Keyboard instruments where space or Transportation Volume is restricted.

LOUDSPEAKERS
Classic T & CT Models up to 12/100 CT Specialist Disco 80-100-200 Crescendo 12/100 CT.

PERFORMANCE
From between 45 Hz-65 Hz up to 14-20 kHz and a sensitivity 99 dB to 103 dB for 1 Watt, 1 Metre depending on the Model selected. Good Mid-range quality, Treble and Mid-balanced to give more emphasis to the Bass Response.

CONSTRUCTION
Simple and straightforward Select Duct Dimensions to suit the loudspeaker.

MATERIALS
\( \frac{1}{2} \) sheet of 18mm (\( \frac{3}{8} \)) Board 8' x 4' size (2438 x 1219).

VOLUME
3200 cubic inches. 51 Litres.

SPECIAL NOTES
DUCTING SIZES

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Dim. 'A'</th>
<th>Dim. 'B'</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Hz</td>
<td>4( \frac{1}{2} )&quot;</td>
<td>1.187&quot;</td>
</tr>
<tr>
<td>55 Hz</td>
<td>3( \frac{1}{2} )&quot;</td>
<td>1.187&quot;</td>
</tr>
<tr>
<td>60 Hz</td>
<td>0</td>
<td>( \frac{3}{4} )&quot;</td>
</tr>
<tr>
<td>70 Hz</td>
<td>0</td>
<td>1( \frac{1}{2} )&quot;</td>
</tr>
</tbody>
</table>
COMPACT REFLEX CABINET

APPLICATIONS
Used for Full range Disco, P.A. or musical instrument applications where space is restricted.

LOUDSPEAKERS
Classic, Standard or C models to 12/150 C.
Crescendo 12/100 CT.
Studio 12 G, B or L.

HORNS
HF 250 or ST 5020 as required.
J 44, J 73, J 104 as required with crossovers to suit Horn requirements.

PERFORMANCE
From between 40 Hz-60 Hz up to 15-20 kHz and a sensitivity 97 dB to 105 dB for 1 Watt, 1 Metre depending on the models selected. Improved Mid/Treble quality over Full range Drivers.

CONSTRUCTION
Simple and straightforward
Select Duct Dimensions to suit the loudspeaker. Position and cut Horn opening to suit model selected.

MATERIALS
½ sheet of 18mm (¾") Board 8' x 4' size (2438 x 1219).

VOLUME
3200 cubic inches. 51 Litres.

SPECIAL NOTES
DUCTING SIZES

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Dim. 'A'</th>
<th>Dim. 'B'</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 Hz</td>
<td>5&quot;</td>
<td>1.187&quot;</td>
</tr>
<tr>
<td>50 Hz</td>
<td>4¾&quot;</td>
<td>1.187&quot;</td>
</tr>
<tr>
<td>55 Hz</td>
<td>3¾&quot;</td>
<td>1.187&quot;</td>
</tr>
<tr>
<td>60 Hz</td>
<td>0</td>
<td>¾&quot;</td>
</tr>
<tr>
<td>70 Hz</td>
<td>0</td>
<td>1¾&quot;</td>
</tr>
</tbody>
</table>
APPLICATIONS
Used for Full range Disco, P.A. or musical instrument applications.

LOUDSPEAKERS
Classic 15 Standard or C models
Specialist Bass 100.
Crescendo 15E or 15/200E.
Studio 15 B, L or G.
Colossus 15E.

HORNS
J 105 or HF 250 or St 5020 Bullets.
Crossovers to suit horn requirements.

PERFORMANCE
From between 35 Hz-60 Hz up to 20 kHz
with 99 dB to 104 dB sensitivity for 1 Watt,
1 Metre depending on models selected. Good Bass with smooth Mid-range.

CONSTRUCTION
Straightforward. Bracing important in this cabinet. Select Duct to suit loudspeaker. Position and cut Horn opening to suit model selected.

MATERIALS
1 sheet of 18mm (3/4") Board 8' x 4' size (2438 x 1219).

VOLUME
6670 cubic inches. 106 Litres.

SPECIAL NOTES
DUCTING SIZES

<table>
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<th>Resonance of Loudspeaker</th>
<th>Dim. ‘A’</th>
<th>Dim. ‘B’</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 Hz</td>
<td>3 1/2”</td>
<td>1”</td>
</tr>
<tr>
<td>45 Hz</td>
<td>0</td>
<td>3/8”</td>
</tr>
<tr>
<td>55 Hz</td>
<td>0</td>
<td>1 3/16”</td>
</tr>
<tr>
<td>60 Hz</td>
<td>0</td>
<td>5/8”</td>
</tr>
<tr>
<td>65 Hz</td>
<td>0</td>
<td>2”</td>
</tr>
<tr>
<td>70 Hz</td>
<td>0</td>
<td>2 1/2”</td>
</tr>
</tbody>
</table>

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[Graph and chart details]

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APPLICATIONS
Used for Full range Disco, P.A. and musical instrument applications.

LOUDSPEAKERS
Classic, Standard or C models to 12/150 C.
Crescendo 12/100.
Studio 12 G, B or L.

HORNS
J Series horns HF 250 or ST 5020. Bullets.
Crossovers to suit Horn requirements.

PERFORMANCE
From between 40 Hz-60 Hz up to 15-20 kHz and a sensitivity of 99 dB to 107 dB for 1 Watt, 1 Metre depending on the models selected. Good Bass with slight Mid-range emphasis.

CONSTRUCTION
Simple and straightforward.
Select Duct Dimensions to suit loudspeaker. Position and cut Horn opening to suit models selected.

MATERIALS
\(\frac{3}{4}\) sheet of 18mm (\(\frac{3}{4}\)) Board 8' x 4' size (2438 x 1219).

VOLUME
4400 cubic inches. 72 Litres.

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Dim. 'A'</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Hz</td>
<td>3.9'</td>
</tr>
<tr>
<td>55 Hz</td>
<td>4.1'</td>
</tr>
<tr>
<td>60 Hz</td>
<td>4.75'</td>
</tr>
<tr>
<td>70 Hz</td>
<td>4.375'</td>
</tr>
<tr>
<td>75 Hz</td>
<td>5'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PORT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 ports</td>
</tr>
<tr>
<td>2 ports</td>
</tr>
</tbody>
</table>

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**Note:**

- Bruel & Kjaer
- Potentiometer Range: 50 dB
- Rectifier
- RMS
- Lower Lim. Freq.: 20 Hz
- Wt. Speed: 200 mm/sec.
- Paper Speed: 10 mm/sec.

**Graph:**

- Frequency Range: 20 Hz to 20 kHz
- Sensitivity: 70 dB
- Measurement: 50 dB
- Device: 72L, REFLEX
- 2x Studio 12L
- HF 250
- FR 4
- 1w, 1m
- Rec. No.: 23.2.83
- Sign.:...
2 CUTOUTS FOR 12" LOUDSPEAKERS

SECTION 'X'-X'

BULLET TWEETER CUTOUT

PORT 'A' DIA