3 WAY REFLEX SYSTEM

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

LOUDSPEAKERS
Bass: Classic 15 C models
    Specialist Bass 100
    Studio 15 B, L & G
    Colossus 15E
Middle: Smooth Middle Classic 10/100C
    Bright Middle Studio 10M

HORNS
HF520 or ST5020 Bullets.
Crossovers: HP X 5 for 500 Hz; Horns as required.

PERFORMANCE
Well balanced system of the Monitor Type. From between 35 Hz-55 Hz up to 15-20 kHz and sensitivity 98dB to 102dB for 1 Watt, 1 Metre depending on the models selected.

CONSTRUCTION
Fairly straightforward - ensure Mid-range compartment is sealed.

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

VOLUME
Total — 8800 cubic inches.
Reflex — 6650 cubic inches, 106 Litres

SPECIAL NOTES
PORT SIZE

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 Hz</td>
<td>10 square inches</td>
</tr>
<tr>
<td>45 Hz</td>
<td>12 square inches</td>
</tr>
<tr>
<td>55 Hz</td>
<td>24 square inches</td>
</tr>
<tr>
<td>60 Hz</td>
<td>33 square inches</td>
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</tbody>
</table>

B&K 1061 MEASUREMENTS

(Chart showing measurements from 20 Hz to 10 kHz, with various test levels and characteristics)
APPLICATIONS
Used for Lead or Bass guitar with Amplifier or as an Extension Cabinet.

LOUDSPEAKERS
Lead: Classic 12's to 12/100
Specialist Guitar 100L
Crescendo: 12E or 12/100.
Bass: Classic 12C's to 12/100C
Specialist Guitar 100B.
Studio 12 B or G.

PERFORMANCE
Lead from 80 Hz. Sensitivity 103 dB to 110 dB. Bass from 40 Hz. Sensitivity 102 dB to 108 dB depending on the models selected.

MULTIPLE USE
Can be used in multiples for Stage Back Line.

CONSTRUCTION
Straightforward - Bracing front to back is important.

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

VOLUME
7000 cubic inches. 112 Litres

SPECIAL NOTES
Made to Reflexed for Bass Guitar.

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 Hz</td>
<td>1 of 4”</td>
</tr>
<tr>
<td>55 Hz</td>
<td>2 of 4”</td>
</tr>
<tr>
<td>65 Hz</td>
<td>2 of 4”</td>
</tr>
</tbody>
</table>

Graph showing frequency response and characteristics.
APPLICATIONS
An angled Floor Standing Stage Front Foldback Monitor.

LOUDSPEAKERS
Classic 12 C to 12/150 C.
Crescendo: 12/80.
Studio 12 B, L or G.

HORNS
J, series or Bullets. Crossovers: as Horn requirements.

PERFORMANCE
Smooth Middle and H.F. response with very limited Bass response. From 100 Hz
to 15 to 20 kHz at sensitivities of 98 dB to 102 dB for 1 Watt, 1 Metre depending
on the loudspeakers used.

CONSTRUCTION
Fairly straightforward Angled panels need mitreing accurately.

MATERIALS
1/2 sheet of 18mm (3/8") Board 8' x 4' size
(2438 x 1219).

VOLUME
880 cubic inches. 15 Litres

SPECIAL NOTES
Designed for 2 standing angles 60° and 30°.
Any Rectangular Cabinet Design could be
made into an angled Monitor providing the
internal Volume is not changed.
APPLICATIONS
An angled Floor Standing Stage Monitor cabinet.

LOUDSPEAKERS
Classic 15 standard or ‘C’ Models
Specialist Bass 100.
Crescendo 15E or 15/200E.
Studio 15 B, L or G.
Colossus 15E.

HORNS
J105 or HF250 or ST5020 Bullets.
Crossovers to suit Horn requirements.

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

CONSTRUCTION
Fairly straightforward. Panels need
mitreing accurately. Select Duct to suit
loudspeaker. Position and cut Horn
opening to suit model selected.

MATERIALS
1 sheet of 18mm (5/8”) Board 8’ x 4’ size
(2438 x 1219).

VOLUME
6670 cubic inches. 106 Litres.

SPECIAL NOTES
A Lens may be added to the Horn if required
for Full short-throw dispersion.

DUCTING SIZES

<table>
<thead>
<tr>
<th>Resonance of Loudspeaker</th>
<th>Dim. ‘A’</th>
<th>Dim. ‘B’</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 Hz</td>
<td>3½”</td>
<td>1”</td>
</tr>
<tr>
<td>50 Hz</td>
<td>0</td>
<td>½”</td>
</tr>
<tr>
<td>55 Hz</td>
<td>0</td>
<td>1¼”</td>
</tr>
<tr>
<td>60 Hz</td>
<td>0</td>
<td>1½”</td>
</tr>
<tr>
<td>65 Hz</td>
<td>0</td>
<td>2”</td>
</tr>
<tr>
<td>70 Hz</td>
<td>0</td>
<td>2½”</td>
</tr>
</tbody>
</table>